

The Hallmarks of Aging

Cell

153, 1194-1217

DOI: [10.1016/j.cell.2013.05.039](https://doi.org/10.1016/j.cell.2013.05.039)

Citation Report

#	ARTICLE	IF	CITATIONS
3	Healthy ageing, but what is health?. <i>Biogerontology</i> , 2013, 14, 673-677.	2.0	46
4	Autophagy and Cellular Immune Responses. <i>Immunity</i> , 2013, 39, 211-227.	6.6	359
5	Comorbidity: a multidimensional approach. <i>Trends in Molecular Medicine</i> , 2013, 19, 515-521.	3.5	54
6	Identification of mitochondrial dysfunction in Hutchinsonâ€“Gilford progeria syndrome through use of stable isotope labeling with amino acids in cell culture. <i>Journal of Proteomics</i> , 2013, 91, 466-477.	1.2	110
7	Common Threads in Atrial Fibrillation and Heart Failure. <i>Heart Failure Clinics</i> , 2013, 9, 373-383.	1.0	8
8	Towards measurement of the Healthy Ageing Phenotype in lifestyle-based intervention studies. <i>Maturitas</i> , 2013, 76, 189-199.	1.0	134
9	Systemic Effects of Inflammation on Health during Chronic HIV Infection. <i>Immunity</i> , 2013, 39, 633-645.	6.6	651
10	DNA methylome: Unveiling your biological age. <i>Protein and Cell</i> , 2013, 4, 723-725.	4.8	5
11	Cellular Aging: Symmetry Evades Senescence. <i>Current Biology</i> , 2013, 23, R871-R873.	1.8	3
12	Stem cells and aging from a quasiâ€“immortal point of view. <i>BioEssays</i> , 2013, 35, 994-1003.	1.2	35
13	Differential shortening rate of telomere length in the development of human fetus. <i>Biochemical and Biophysical Research Communications</i> , 2013, 442, 112-115.	1.0	21
14	Single-cell analysis: toward the clinic. <i>Genome Medicine</i> , 2013, 5, 74.	3.6	20
15	C/EBP homologous protein drives pro-catabolic responses in chondrocytes. <i>Arthritis Research and Therapy</i> , 2013, 15, R218.	1.6	56
16	Mechanistic links between aging and lung fibrosis. <i>Biogerontology</i> , 2013, 14, 609-615.	2.0	97
17	Tissue resident stem cells: till death do us part. <i>Biogerontology</i> , 2013, 14, 573-590.	2.0	37
18	Three steps to the immortality of cancer cells: senescence, polyploidy and self-renewal. <i>Cancer Cell International</i> , 2013, 13, 92.	1.8	131
19	Sestrins Orchestrate Cellular Metabolism to Attenuate Aging. <i>Cell Metabolism</i> , 2013, 18, 792-801.	7.2	279
20	A Divide-and-Conquer Assault on Aging: Mainstream at Last. <i>Rejuvenation Research</i> , 2013, 16, 257-258.	0.9	7

#	ARTICLE	IF	CITATIONS
21	Prelamin A causes progeria through cell-extrinsic mechanisms and prevents cancer invasion. Nature Communications, 2013, 4, 2268.	5.8	63
22	Evolution: Skipping School. Current Biology, 2013, 23, R873-R875.	1.8	0
23	Mesenchymal stroma: primary determinant and therapeutic target for epithelial cancer. Trends in Cell Biology, 2013, 23, 593-602.	3.6	46
25	Reactive Oxygen Species (ROS) Protection via Cysteine Oxidation in the Epidermal Cornified Cell Envelope. Methods in Molecular Biology, 2013, 1195, 157-169.	0.4	6
26	Conversations with pioneers in the bone field: Stavros C Manolagas. IBMS BoneKEy, 2013, 10, .	0.1	0
27	Aging is not programmed. Cell Cycle, 2013, 12, 3736-3742.	1.3	118
28	Why do we need to age?. Hormone Molecular Biology and Clinical Investigation, 2013, 16, 3-5.	0.3	1
29	Do Telomeres Adapt to Physiological Stress? Exploring the Effect of Exercise on Telomere Length and Telomere-Related Proteins. BioMed Research International, 2013, 2013, 1-15.	0.9	67
30	Mitochondrial Dysfunction in Cancer. Frontiers in Oncology, 2013, 3, 292.	1.3	382
31	DNA Methylation Changes during In Vitro Propagation of Human Mesenchymal Stem Cells: Implications for Their Genomic Stability?. Stem Cells International, 2013, 2013, 1-9.	1.2	45
32	TOR-centric view on insulin resistance and diabetic complications: perspective for endocrinologists and gerontologists. Cell Death and Disease, 2013, 4, e964-e964.	2.7	97
33	Immunosuppressants in cancer prevention and therapy. OncoImmunology, 2013, 2, e26961.	2.1	42
34	Hypothalamic inflammation and GnRH in aging development. Cell Cycle, 2013, 12, 2711-2712.	1.3	18
35	Metformin: Do we finally have an anti-aging drug?. Cell Cycle, 2013, 12, 3483-3489.	1.3	103
36	Rapamycin induces pluripotent genes associated with avoidance of replicative senescence. Cell Cycle, 2013, 12, 3841-3851.	1.3	23
37	Bone Marrow Rejuvenation. Circulation Journal, 2013, 77, 2886-2888.	0.7	5
38	Tpo1-mediated spermine and spermidine export controls cell cycle delay and times antioxidant protein expression during the oxidative stress response. EMBO Reports, 2013, 14, 1113-1119.	2.0	52
39	Identification of novel modifiers of A β toxicity by transcriptomic analysis in the fruitfly. Scientific Reports, 2013, 3, 3512.	1.6	20

#	ARTICLE	IF	CITATIONS
40	FOXOs attenuate bone formation by suppressing Wnt signaling. <i>Journal of Clinical Investigation</i> , 2013, 123, 3409-3419.	3.9	190
41	Effects of a leucine and pyridoxine-containing nutraceutical on body weight and composition in obese subjects. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 309.	1.1	13
42	Genetic and Epigenetic Effects of Nanoparticles. <i>Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research</i> , 2013, 07, .	0.1	5
43	Rapamycin extends life- and health span because it slows aging. <i>Aging</i> , 2013, 5, 592-598.	1.4	71
44	Defective Mitochondrial Function In Vivo in Skeletal Muscle in Adults with Downâ€™s Syndrome: A 31P-MRS Study. <i>PLoS ONE</i> , 2013, 8, e84031.	1.1	22
45	Preface: Aging and Oncogenesis. <i>Critical Reviews in Oncogenesis</i> , 2013, 18, 485-487.	0.2	0
46	M(o)TOR of aging: MTOR as a universal molecular hypothalamus. <i>Aging</i> , 2013, 5, 490-494.	1.4	26
47	Sirtuins in Hematological Aging and Malignancy. <i>Critical Reviews in Oncogenesis</i> , 2013, 18, 531-547.	0.2	28
48	THE PHYSIOLOGICAL BASIS OF DORIAN GRAYâ€™S PORTRAIT. <i>Journal of the Siena Academy of Sciences</i> , 2013, 5, 41.	0.0	0
49	Amelioration of Reproduction-Associated Oxidative Stress in a Viviparous Insect Is Critical to Prevent Reproductive Senescence. <i>PLoS ONE</i> , 2014, 9, e87554.	1.1	22
50	Promoter Polymorphism in the Serotonin Transporter (5-HTT) Gene Is Significantly Associated with Leukocyte Telomere Length in Han Chinese. <i>PLoS ONE</i> , 2014, 9, e94442.	1.1	4
51	Methionine Restriction Activates the Retrograde Response and Confers Both Stress Tolerance and Lifespan Extension to Yeast, Mouse and Human Cells. <i>PLoS ONE</i> , 2014, 9, e97729.	1.1	120
52	Palladium and Platinum Nanoparticles Attenuate Aging-Like Skin Atrophy via Antioxidant Activity in Mice. <i>PLoS ONE</i> , 2014, 9, e109288.	1.1	90
53	Evaluation of Traditional Medicines for Neurodegenerative Diseases Using <i>Drosophila</i> Models. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-14.	0.5	24
54	Autophagy in <i>Drosophila</i> : From Historical Studies to Current Knowledge. <i>BioMed Research International</i> , 2014, 2014, 1-24.	0.9	68
55	Tumor promoter-induced cellular senescence: cell cycle arrest followed by geroconversion. <i>Oncotarget</i> , 2014, 5, 12715-12727.	0.8	32
56	Mechanisms Underlying the Anti-Aging and Anti-Tumor Effects of Lithocholic Bile Acid. <i>International Journal of Molecular Sciences</i> , 2014, 15, 16522-16543.	1.8	32
57	Epigenetic alterations in hippocampus of SAMP8 senescent mice and modulation by voluntary physical exercise. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 51.	1.7	65

#	ARTICLE	IF	CITATIONS
58	Studying variability in human brain aging in a population-based German cohort—rationale and design of 1000BRAINS. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 149.	1.7	97
59	Lithium suppresses A β pathology by inhibiting translation in an adult <i>Drosophila</i> model of Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 190.	1.7	81
60	Methylene blue promotes quiescence of rat neural progenitor cells. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 315.	1.8	5
61	Effects of Vitamin E on Cognitive Performance during Ageing and in Alzheimer's Disease. <i>Nutrients</i> , 2014, 6, 5453-5472.	1.7	121
62	Long noncoding RNAs (lncRNAs) and the molecular hallmarks of aging. <i>Aging</i> , 2014, 6, 992-1009.	1.4	189
63	MicroRNAs as Mediators of the Ageing Process. <i>Genes</i> , 2014, 5, 656-670.	1.0	89
64	The Mechanistic Links Between Proteasome Activity, Aging and Age-related Diseases. <i>Current Genomics</i> , 2014, 15, 38-51.	0.7	255
65	Systems Biology and Systems Medicine: The Technological Tools of the System Approaches to Complexity. , 2014, 4, .		0
66	Proteome-wide analysis reveals an age-associated cellular phenotype of in situ aged human fibroblasts. <i>Aging</i> , 2014, 6, 856-872.	1.4	65
67	Sphingolipids and mitochondrial function, lessons learned from yeast. <i>Microbial Cell</i> , 2014, 1, 210-224.	1.4	18
68	Longevity pathways and maintenance of the proteome: the role of autophagy and mitophagy during yeast ageing. <i>Microbial Cell</i> , 2014, 1, 118-127.	1.4	30
70	Accelerated Aging among Cancer Survivors: From Pediatrics to Geriatrics. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2014, , e423-e430.	1.8	109
71	The aggregation and inheritance of damaged proteins determines cell fate during mitosis. <i>Cell Cycle</i> , 2014, 13, 1201-1207.	1.3	12
72	The fine line between lifespan extension and shortening in response to caloric restriction. <i>Nucleus</i> , 2014, 5, 56-65.	0.6	27
73	Trial Watch: Radioimmunotherapy for oncological indications. <i>Oncolmmunology</i> , 2014, 3, e954929.	2.1	40
74	Mediterranean Diet and Healthy Ageing: A Sicilian Perspective. <i>Gerontology</i> , 2014, 60, 508-518.	1.4	80
75	Targeted protein degradation as a tumor suppressor. <i>Cell Cycle</i> , 2014, 13, 3473-3473.	1.3	2
76	Resistance exercise and testosterone treatment alters the proportion of numerical density of capillaries of the left ventricle of aging Wistar rats. <i>Aging Male</i> , 2014, 17, 243-247.	0.9	13

#	ARTICLE	IF	CITATIONS
77	Smoking accelerates aging of the small airway epithelium. <i>Respiratory Research</i> , 2014, 15, 94.	1.4	65
78	Shorter telomeres with high telomerase activity are associated with raised allostatic load and impoverished psychosocial resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4519-4524.	3.3	151
79	Wnt signaling regulates homeostasis of the periodontal ligament. <i>Journal of Periodontal Research</i> , 2014, 49, 751-759.	1.4	69
80	Proteostasis in pediatric pulmonary pathology. <i>Molecular and Cellular Pediatrics</i> , 2014, 1, 11.	1.0	8
81	Wound repair and regeneration: Mechanisms, signaling, and translation. <i>Science Translational Medicine</i> , 2014, 6, 265sr6.	5.8	2,114
82	Clinicopathological and prognostic significance of interleukin-8 expression and its relationship to KRAS mutation in lung adenocarcinoma. <i>British Journal of Cancer</i> , 2014, 110, 2047-2053.	2.9	31
83	Sequential Logic of Polarity Determination during the Haploid-to-Diploid Transition in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2014, 13, 1393-1402.	3.4	4
84	Changes in Transcription and Metabolism During the Early Stage of Replicative Cellular Senescence in Budding Yeast. <i>Journal of Biological Chemistry</i> , 2014, 289, 32081-32093.	1.6	40
85	ShaPING Cell Fate Upon DNA Damage: Role of Pin1 Isomerase in DNA Damage-Induced Cell Death and Repair. <i>Frontiers in Oncology</i> , 2014, 4, 148.	1.3	13
86	<scp>M</scp>sp1<scp>ATAD</scp>1 maintains mitochondrial function by facilitating the degradation of mislocalized tail-anchored proteins. <i>EMBO Journal</i> , 2014, 33, 1548-1564.	3.5	172
87	Network medicine, multimorbidity and the lung in the elderly. <i>European Respiratory Journal</i> , 2014, 44, 775-788.	3.1	63
88	Cell-Autonomous Progeroid Changes in Conditional Mouse Models for Repair Endonuclease XPC Deficiency. <i>PLoS Genetics</i> , 2014, 10, e1004686.	1.5	54
89	Enhanced Longevity by Ibuprofen, Conserved in Multiple Species, Occurs in Yeast through Inhibition of Tryptophan Import. <i>PLoS Genetics</i> , 2014, 10, e1004860.	1.5	80
90	Natural Compounds and Aging: Between Autophagy and Inflammasome. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	45
91	Superoxide Dismutase 1 Loss Disturbs Intracellular Redox Signaling, Resulting in Global Age-Related Pathological Changes. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	38
92	Rate of telomere shortening and cardiovascular damage: a longitudinal study in the 1946 British Birth Cohort. <i>European Heart Journal</i> , 2014, 35, 3296-3303.	1.0	55
93	Aging, Disease, and Longevity in Mice. <i>Annual Review of Gerontology and Geriatrics</i> , 2014, 34, 93-138.	0.5	8
94	Independent Stem Cell Lineages Regulate Adipose Organogenesis and Adipose Homeostasis. <i>Cell Reports</i> , 2014, 9, 1007-1022.	2.9	151

#	ARTICLE	IF	CITATIONS
95	Lon protease: A key enzyme controlling mitochondrial bioenergetics in cancer. <i>Molecular and Cellular Oncology</i> , 2014, 1, e968505.	0.3	12
96	FoxO proteins restrain osteoclastogenesis and bone resorption by attenuating H2O2 accumulation. <i>Nature Communications</i> , 2014, 5, 3773.	5.8	202
97	Epigenetic regulation of Atrophia1 by lysine-specific demethylase 1 is required for cortical progenitor maintenance. <i>Nature Communications</i> , 2014, 5, 5815.	5.8	46
98	Impact of senescence on bone quality: lessons from animal models of aging. <i>Drug Discovery Today: Disease Models</i> , 2014, 13, 17-22.	1.2	0
99	DNA Damage and Checkpoint Responses in Adult Stem Cells. <i>Else-KrÄ¶ner-Fresenius-Symposia</i> , 2014, , 74-82.	0.1	0
100	Spartan deficiency causes genomic instability and progeroid phenotypes. <i>Nature Communications</i> , 2014, 5, 5744.	5.8	89
101	New genetic and epigenetic approaches in gerontology. <i>Advances in Gerontology</i> , 2014, 4, 238-246.	0.1	4
102	Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014, 13, 1987-1994.	1.3	49
103	Telomerase expression confers cardioprotection in the adult mouse heart after acute myocardial infarction. <i>Nature Communications</i> , 2014, 5, 5863.	5.8	125
104	A stress-induced cellular aging model with postnatal neural stem cells. <i>Cell Death and Disease</i> , 2014, 5, e1116-e1116.	2.7	55
105	Cellular senescence and aging: the role of B-MYB. <i>Aging Cell</i> , 2014, 13, 773-779.	3.0	68
106	Epigenetic modifiers of islet function and mass. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 628-636.	3.1	32
107	Aging-Related Changes in Inflammatory and LKB1/AMPK Gene Expression in Fibromyalgia Patients. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 476-478.	1.9	2
108	Impaired geranylgeranyltransferaseâ€regulation reduces membraneâ€associated Rho protein levels in aged mouse brain. <i>Journal of Neurochemistry</i> , 2014, 129, 732-742.	2.1	30
109	O-GlcNAc transferase and O-GlcNAcase: achieving target substrate specificity. <i>Amino Acids</i> , 2014, 46, 2305-2316.	1.2	63
110	From experimental design to functional gene networks: <scp>DNA</scp> microarray contribution to skin ageing research. <i>International Journal of Cosmetic Science</i> , 2014, 36, 516-526.	1.2	5
111	Shared signatures of social stress and aging in peripheral blood mononuclear cell gene expression profiles. <i>Aging Cell</i> , 2014, 13, 954-957.	3.0	18
112	Energy Metabolism and Metabolic Sensors in Stem Cells: The Metabostem Crossroads of Aging and Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2014, 824, 117-140.	0.8	24

#	ARTICLE	IF	CITATIONS
113	Daumone fed late in life improves survival and reduces hepatic inflammation and fibrosis in mice. <i>Aging Cell</i> , 2014, 13, 709-718.	3.0	14
114	The role of protein clearance mechanisms in organismal ageing and age-related diseases. <i>Nature Communications</i> , 2014, 5, 5659.	5.8	546
115	Characterization of novel markers of senescence and their prognostic potential in cancer. <i>Cell Death and Disease</i> , 2014, 5, e1528-e1528.	2.7	186
116	Age-related diseases: common or diverse pathways?. <i>Biogerontology</i> , 2014, 15, 543-545.	2.0	4
117	Polysaccharides from Medicinal Herbs As Potential Therapeutics for Aging and Age-Related Neurodegeneration. <i>Rejuvenation Research</i> , 2014, 17, 201-204.	0.9	20
118	Cell Aging: Molecular Mechanisms and Implications for Disease. <i>SpringerBriefs in Molecular Medicine</i> , 2014, , .	0.0	5
119	Recent Developments in Cardiovascular Stem Cells. <i>Circulation Research</i> , 2014, 115, e71-8.	2.0	29
120	Epidermal Cells. <i>Methods in Molecular Biology</i> , 2014, , .	0.4	1
122	Metabolic Dysfunction Consistent With Premature Aging Results From Deletion of Pim Kinases. <i>Circulation Research</i> , 2014, 115, 376-387.	2.0	49
123	Reprint of "Accumulation of modified proteins and aggregate formation in aging", <i>Experimental Gerontology</i> , 2014, 59, 3-12.	1.2	13
124	Subcellular Distribution and Activity of Mechanistic Target of Rapamycin in Aged Retinal Pigment Epithelium. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 8638-8650.	3.3	26
125	Standard laboratory tests to identify older adults at increased risk of death. <i>BMC Medicine</i> , 2014, 12, 171.	2.3	193
126	Aneuploidy: implications for protein homeostasis and disease. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 15-20.	1.2	108
127	Emerging clinical issues related to management of multiorgan comorbidities and polypharmacy. <i>Current Opinion in HIV and AIDS</i> , 2014, 9, 371-378.	1.5	10
128	Exosomes and Autophagy: Coordinated Mechanisms for the Maintenance of Cellular Fitness. <i>Frontiers in Immunology</i> , 2014, 5, 403.	2.2	350
129	Nutritional Approaches for Healthy Aging of the Brain and the Prevention of Neurodegenerative Diseases. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2014, , 457-479.	0.2	4
130	Resveratrol and Alzheimer's disease: message in a bottle on red wine and cognition. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 95.	1.7	84
131	Epigenomic programming: a future way to health?. <i>Microbial Ecology in Health and Disease</i> , 2014, 25, .	3.8	38

#	ARTICLE	IF	CITATIONS
132	MicroRNAs Expression Profiles in Cardiovascular Diseases. <i>BioMed Research International</i> , 2014, 2014, 1-23.	0.9	147
133	Up-Regulating Telomerase and Tumor Suppressors: Focusing on Anti-Aging Interventions at the Population Level. , 2014, 5, 17-26.		3
134	Aging is not a disease: implications for intervention. , 2014, 5, 196-202.		92
135	Possible role of ABO system in age-related diseases and longevity: a narrative review. <i>Immunity and Ageing</i> , 2014, 11, 16.	1.8	17
136	The effect of coenzyme Q10 on age-related changes of the distal colon mucosa of male albino rats. <i>Egyptian Journal of Histology</i> , 2014, 37, 729-740.	0.0	0
137	Biologic aging, frailty, and age-related disease in chronic HIV infection. <i>Current Opinion in HIV and AIDS</i> , 2014, 9, 412-418.	1.5	53
138	Contesting the dogma of an age-related heat shock response impairment: implications for cardiac-specific age-related disorders. <i>Human Molecular Genetics</i> , 2014, 23, 3641-3656.	1.4	33
139	Mitochondrial ultrastructure and markers of dynamics in hepatocytes from aged, calorie restricted mice fed with different dietary fats. <i>Experimental Gerontology</i> , 2014, 56, 77-88.	1.2	30
140	TERT promoter mutations in cancer development. <i>Current Opinion in Genetics and Development</i> , 2014, 24, 30-37.	1.5	203
141	Response to the Letter From Xue and Varadhan: "What Is Missing in the Validation of Frailty Instruments?" <i>Journal of the American Medical Directors Association</i> , 2014, 15, 144-145.	1.2	1
142	RTEL1: functions of a disease-associated helicase. <i>Trends in Cell Biology</i> , 2014, 24, 416-425.	3.6	105
143	The imbalanced redox status in senescent endothelial cells is due to dysregulated Thioredoxin-1 and NADPH oxidase 4. <i>Experimental Gerontology</i> , 2014, 56, 45-52.	1.2	22
144	Response to the Letter to the Editor: "Frailty Consensus: A Call to Action" <i>Journal of the American Medical Directors Association</i> , 2014, 15, 145-147.	1.2	0
145	Revisiting an age-old question regarding oxidative stress. <i>Free Radical Biology and Medicine</i> , 2014, 71, 368-378.	1.3	59
146	The hallmarks of fibroblast ageing. <i>Mechanisms of Ageing and Development</i> , 2014, 138, 26-44.	2.2	179
147	Proteasome activation delays aging in vitro and in vivo. <i>Free Radical Biology and Medicine</i> , 2014, 71, 303-320.	1.3	75
148	Telomerase activation: A potential key modulator for human healthspan and longevity. <i>Ageing Research Reviews</i> , 2014, 15, 1-5.	5.0	45
149	Progeria: A Paradigm for Translational Medicine. <i>Cell</i> , 2014, 156, 400-407.	13.5	230

#	ARTICLE	IF	CITATIONS
150	The Senescence-Associated Secretory Phenotype Promotes Benign Prostatic Hyperplasia. <i>American Journal of Pathology</i> , 2014, 184, 721-731.	1.9	34
151	Genetic rejuvenation of old muscle. <i>Nature</i> , 2014, 506, 304-305.	13.7	14
152	Mitochondrial homeostasis: The interplay between mitophagy and mitochondrial biogenesis. <i>Experimental Gerontology</i> , 2014, 56, 182-188.	1.2	336
153	Proteostasis and aging of stem cells. <i>Trends in Cell Biology</i> , 2014, 24, 161-170.	3.6	130
154	FOXO transcription factors: key regulators of cellular quality control. <i>Trends in Biochemical Sciences</i> , 2014, 39, 159-169.	3.7	450
155	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	4.5	412
156	Telomere regulation in pluripotent stem cells. <i>Protein and Cell</i> , 2014, 5, 194-202.	4.8	56
157	Genetics and epigenetics of aging and longevity. <i>Cell Cycle</i> , 2014, 13, 1063-1077.	1.3	157
158	Bone Cell Senescence: Mechanisms and Perspectives. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1311-1321.	3.1	65
160	Telomere dysfunction in peripheral blood mononuclear cells from patients with primary biliary cirrhosis. <i>Digestive and Liver Disease</i> , 2014, 46, 363-368.	0.4	11
161	miRNAs in lung cancer: A link to aging. <i>Ageing Research Reviews</i> , 2014, 17, 54-67.	5.0	38
162	Cellular and molecular longevity pathways: the old and the new. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 212-223.	3.1	12
163	Select aging biomarkers based on telomere length and chronological age to build a biological age equation. <i>Age</i> , 2014, 36, 9639.	3.0	57
164	Microglial dysfunction in brain aging and Alzheimer's disease. <i>Biochemical Pharmacology</i> , 2014, 88, 594-604.	2.0	469
165	The paradigm of mutant p53-expressing cancer stem cells and drug resistance. <i>Carcinogenesis</i> , 2014, 35, 1196-1208.	1.3	87
166	Molecular mechanisms of ageing and related diseases. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 445-458.	0.9	40
167	Effects of polymorphisms in immunity-related genes on the immune system and successful aging. <i>Current Opinion in Immunology</i> , 2014, 29, 49-55.	2.4	16
168	The role of senescent cells in ageing. <i>Nature</i> , 2014, 509, 439-446.	13.7	1,915

#	ARTICLE	IF	CITATIONS
169	Studying aging in <i>Drosophila</i> . <i>Methods</i> , 2014, 68, 129-133.	1.9	115
170	Inadequate mito-biogenesis in primary dermal fibroblasts from old humans is associated with impairment of PGC1A-independent stimulation. <i>Experimental Gerontology</i> , 2014, 56, 59-68.	1.2	35
171	Stress and aging at the nuclear gateway. <i>Mechanisms of Ageing and Development</i> , 2014, 135, 24-32.	2.2	17
172	MicroRNA expression altered by diet: Can food be medicinal?. <i>Ageing Research Reviews</i> , 2014, 17, 16-24.	5.0	68
173	A Critical Role of Fas-Associated Protein with Death Domain Phosphorylation in Intracellular Reactive Oxygen Species Homeostasis and Aging. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 33-45.	2.5	9
174	Self-consumption: the interplay of autophagy and apoptosis. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 81-94.	16.1	1,769
175	The interplay between mitochondrial protein and iron homeostasis and its possible role in ageing. <i>Experimental Gerontology</i> , 2014, 56, 123-134.	1.2	17
176	Geroscience: Linking Aging to Chronic Disease. <i>Cell</i> , 2014, 159, 709-713.	13.5	1,709
177	Perinatal Complications and Aging Indicators by Midlife. <i>Pediatrics</i> , 2014, 134, e1315-e1323.	1.0	53
178	Fibrosis and renal aging. <i>Kidney International Supplements</i> , 2014, 4, 75-78.	4.6	48
179	A Chaperome Subnetwork Safeguards Proteostasis in Aging and Neurodegenerative Disease. <i>Cell Reports</i> , 2014, 9, 1135-1150.	2.9	476
180	Aging and Regeneration in Vertebrates. <i>Current Topics in Developmental Biology</i> , 2014, 108, 217-246.	1.0	78
181	Conservative Growth Hormone/IGF-1 and mTOR Signaling Pathways as a Target for Aging and Cancer Prevention: Do We Really Have an Antiaging Drug?. <i>Interdisciplinary Topics in Gerontology</i> , 2014, 40, 177-188.	3.6	6
182	Is Chronic Asthma Associated with Shorter Leukocyte Telomere Length at Midlife?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 384-391.	2.5	52
183	<i>In vivo</i> role of checkpoint kinase 2 in signaling telomere dysfunction. <i>Aging Cell</i> , 2014, 13, 810-816.	3.0	8
184	Immunomodulatory role of high-density lipoproteins: impact on immunosenescence. <i>Age</i> , 2014, 36, 9712.	3.0	30
185	Rebels with a cause: molecular features and physiological consequences of yeast prions. <i>FEMS Yeast Research</i> , 2014, 14, 136-147.	1.1	47
186	DNA Damage Response and Metabolic Disease. <i>Cell Metabolism</i> , 2014, 20, 967-977.	7.2	203

#	ARTICLE	IF	CITATIONS
187	Alive and well? Exploring disease by studying lifespan. <i>Current Opinion in Genetics and Development</i> , 2014, 26, 33-40.	1.5	11
188	How stem cells get "returned on" EMBO Journal, 2014, 33, 2743-2744.	3.5	2
189	Royalactin extends lifespan of <i>Caenorhabditis elegans</i> through epidermal growth factor signaling. <i>Experimental Gerontology</i> , 2014, 60, 129-135.	1.2	37
190	Systems biology of cisplatin resistance: past, present and future. <i>Cell Death and Disease</i> , 2014, 5, e1257-e1257.	2.7	625
191	Ageing and cardiovascular diseases: The role of gene-diet interactions. <i>Ageing Research Reviews</i> , 2014, 18, 53-73.	5.0	73
192	Ageing and the border between health and disease. <i>European Respiratory Journal</i> , 2014, 44, 1332-1352.	3.1	115
193	Geroconversion: irreversible step to cellular senescence. <i>Cell Cycle</i> , 2014, 13, 3628-3635.	1.3	119
194	New Therapeutic Targets in Idiopathic Pulmonary Fibrosis. Aiming to Rein in Runaway Wound-Healing Responses. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 867-878.	2.5	209
195	The epigenetic tracks of aging. <i>Biological Chemistry</i> , 2014, 395, 1307-1314.	1.2	53
197	A resourceful genome: updating the functional repertoire and evolutionary role of animal mitochondrial DNAs. <i>Trends in Genetics</i> , 2014, 30, 555-564.	2.9	100
198	Role of asymmetric cell division in lifespan control in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2014, 14, 1133-1146.	1.1	64
199	Epigenetics of hematopoietic stem cell aging and disease. <i>International Journal of Hematology</i> , 2014, 100, 326-334.	0.7	34
200	Stress Biology and Aging Mechanisms: Toward Understanding the Deep Connection Between Adaptation to Stress and Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, S10-S16.	1.7	148
201	Peroxisome Proliferator-Activated Receptor β Coactivator 1 α and FoxO3A Mediate Chondroprotection by AMP-Activated Protein Kinase. <i>Arthritis and Rheumatology</i> , 2014, 66, 3073-3082.	2.9	83
202	Defining aging in cyborgs: A bio-techno-social definition of aging. <i>Journal of Aging Studies</i> , 2014, 31, 104-109.	0.7	4
203	The Scientific Quest for Lasting Youth: Prospects for Curing Aging. <i>Rejuvenation Research</i> , 2014, 17, 458-467.	0.9	39
204	Proteome analysis in the assessment of ageing. <i>Ageing Research Reviews</i> , 2014, 18, 74-85.	5.0	18
205	Sox4 Links Tumor Suppression to Accelerated Aging in Mice by Modulating Stem Cell Activation. <i>Cell Reports</i> , 2014, 8, 487-500.	2.9	51

#	ARTICLE	IF	CITATIONS
206	Replication stress is a potent driver of functional decline in ageing haematopoietic stem cells. <i>Nature</i> , 2014, 512, 198-202.	13.7	519
207	Accelerated telomere reduction and hepatocyte senescence in tolerated human liver allografts. <i>Transplant Immunology</i> , 2014, 31, 55-59.	0.6	14
208	ATP-Dependent Lon Protease Controls Tumor Bioenergetics by Reprogramming Mitochondrial Activity. <i>Cell Reports</i> , 2014, 8, 542-556.	2.9	186
209	Common features of chromatin in aging and cancer: cause or coincidence?. <i>Trends in Cell Biology</i> , 2014, 24, 686-694.	3.6	62
210	Aging and age-related diseases – From endocrine therapy to target therapy. <i>Molecular and Cellular Endocrinology</i> , 2014, 394, 115-118.	1.6	42
211	Wnt4 signaling prevents skeletal aging and inflammation by inhibiting nuclear factor- κ B. <i>Nature Medicine</i> , 2014, 20, 1009-1017.	15.2	175
212	Human stem cell models of dementia. <i>Human Molecular Genetics</i> , 2014, 23, R35-R39.	1.4	23
213	Internalizing disorders and leukocyte telomere erosion: a prospective study of depression, generalized anxiety disorder and post-traumatic stress disorder. <i>Molecular Psychiatry</i> , 2014, 19, 1163-1170.	4.1	142
214	Involvement of oxysterols in age-related diseases and ageing processes. <i>Ageing Research Reviews</i> , 2014, 18, 148-162.	5.0	164
215	Caloric restriction mimetics: towards a molecular definition. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 727-740.	21.5	200
216	Growth phase-dependent roles of Sir2 in oxidative stress resistance and chronological lifespan in yeast. <i>Journal of Microbiology</i> , 2014, 52, 652-658.	1.3	10
217	Cellular senescence: from physiology to pathology. <i>Nature Reviews Molecular Cell Biology</i> , 2014, 15, 482-496.	16.1	1,979
218	Aging: not all DNA damage is equal. <i>Current Opinion in Genetics and Development</i> , 2014, 26, 124-130.	1.5	55
219	Heat shock proteins in neurodegenerative disorders and aging. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 293-310.	1.8	145
220	Immunoproteasomes Shape the Transcriptome and Regulate the Function of Dendritic Cells. <i>Journal of Immunology</i> , 2014, 193, 1121-1132.	0.4	29
221	American association for cancer research – AACR congress 2014. <i>Oncologie</i> , 2014, 16, 341-366.	0.2	0
222	Mitochondrial function and mitochondrial DNA maintenance with advancing age. <i>Biogerontology</i> , 2014, 15, 417-438.	2.0	68
223	Let-7 Coordinately Suppresses Components of the Amino Acid Sensing Pathway to Repress mTORC1 and Induce Autophagy. <i>Cell Metabolism</i> , 2014, 20, 626-638.	7.2	67

#	ARTICLE	IF	CITATIONS
224	Ageing as developmental decay: insights from p16INK4a. Trends in Molecular Medicine, 2014, 20, 667-674.	3.5	52
225	Aging Research—Where Do We Stand and Where Are We Going?. Cell, 2014, 159, 15-19.	13.5	55
226	Inside and out: the activities of senescence in cancer. Nature Reviews Cancer, 2014, 14, 547-558.	12.8	394
227	Glial Development: The Crossroads of Regeneration and Repair in the CNS. Neuron, 2014, 83, 283-308.	3.8	173
228	Quantitative Proteomics of Synaptic and Nonsynaptic Mitochondria: Insights for Synaptic Mitochondrial Vulnerability. Journal of Proteome Research, 2014, 13, 2620-2636.	1.8	80
229	Non-coding RNAs in cardiovascular ageing. Ageing Research Reviews, 2014, 17, 79-85.	5.0	39
230	Uncovering the Geroprotective Potential of Medicinal Plants from the Judea Region of Israel. Rejuvenation Research, 2014, 17, 134-139.	0.9	11
231	Telomere Dynamics and Aging. Progress in Molecular Biology and Translational Science, 2014, 125, 89-111.	0.9	45
232	Pharma-Nutrition. AAPS Advances in the Pharmaceutical Sciences Series, 2014, , .	0.2	0
233	Is Amyloid- β^2 an Innocent Bystander and Marker in Alzheimer's Disease? Is the Liability of Multivalent Cation Homeostasis and its Influence on Amyloid- β^2 Function the Real Mechanism?. Journal of Alzheimer's Disease, 2014, 42, 69-85.	1.2	12
234	Repair of endogenous DNA base lesions modulate lifespan in mice. DNA Repair, 2014, 21, 78-86.	1.3	10
235	Telomerase as a "stemness" enzyme. Science China Life Sciences, 2014, 57, 564-570.	2.3	38
236	Exome sequencing identifies a novel mutation in PIK3R1 as the cause of SHORT syndrome. BMC Medical Genetics, 2014, 15, 51.	2.1	34
237	Genomic profiling of type-1 adult diabetic and aged normoglycemic mouse liver. BMC Endocrine Disorders, 2014, 14, 19.	0.9	5
238	Telomere shortening: a diagnostic tool and therapeutic target for cardiovascular disease?. European Heart Journal, 2014, 35, 3245-3247.	1.0	10
239	Microglia in Health and Disease. , 2014, , .		19
240	Ageing Mesenchymal Stem Cells Fail to Protect Because of Impaired Migration and Antiinflammatory Response. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 787-798.	2.5	166
241	Intervening in ageing to prevent the diseases of ageing. Trends in Endocrinology and Metabolism, 2014, 25, 555-557.	3.1	51

#	ARTICLE	IF	CITATIONS
242	How T follicular helper cells and the germinal centre response change with age. <i>Immunology and Cell Biology</i> , 2014, 92, 72-79.	1.0	58
243	Optimal body weight for health and longevity: bridging basic, clinical, and population research. <i>Aging Cell</i> , 2014, 13, 391-400.	3.0	120
244	Senescent cells: SASPected drivers of age-related pathologies. <i>Biogerontology</i> , 2014, 15, 627-642.	2.0	172
245	Proteasome-mediated quality control of S-nitrosylated mitochondrial proteins. <i>Mitochondrion</i> , 2014, 17, 182-186.	1.6	14
246	Joint inhibition of TOR and JNK pathways interacts to extend the lifespan of <i>Brachionus manjavacas</i> (Rotifera). <i>Experimental Gerontology</i> , 2014, 52, 55-69.	1.2	39
247	The <i>C. elegans</i> healthspan and stress-resistance assay toolkit. <i>Methods</i> , 2014, 68, 476-486.	1.9	74
248	The <i>C. elegans</i> lifespan assay toolkit. <i>Methods</i> , 2014, 68, 465-475.	1.9	99
249	Epigenomic Profiling of Young and Aged HSCs Reveals Concerted Changes during Aging that Reinforce Self-Renewal. <i>Cell Stem Cell</i> , 2014, 14, 673-688.	5.2	524
250	Wnt signaling and osteoporosis. <i>Maturitas</i> , 2014, 78, 233-237.	1.0	81
251	A mitochondrially targeted compound delays aging in yeast through a mechanism linking mitochondrial membrane lipid metabolism to mitochondrial redox biology. <i>Redox Biology</i> , 2014, 2, 305-307.	3.9	27
252	The hMTH1 paradox: Antioxidants recommended in cancer?. <i>DNA Repair</i> , 2014, 21, 163-164.	1.3	3
253	Impact of bacterial infections on aging and cancer: Impairment of DNA repair and mitochondrial function of host cells. <i>Experimental Gerontology</i> , 2014, 56, 164-174.	1.2	11
254	Translational research on aging: clinical epidemiology as a bridge between the sciences. <i>Translational Research</i> , 2014, 163, 439-445.	2.2	8
255	Approaches to in vitro tissue regeneration with application for human disease modeling and drug development. <i>Drug Discovery Today</i> , 2014, 19, 754-762.	3.2	39
256	Role of microRNAs in the age-related changes in skeletal muscle and diet or exercise interventions to promote healthy aging in humans. <i>Ageing Research Reviews</i> , 2014, 17, 25-33.	5.0	53
257	Lipid Replacement Therapy: A natural medicine approach to replacing damaged lipids in cellular membranes and organelles and restoring function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1657-1679.	1.4	97
258	The interplay between mitochondria and autophagy and its role in the aging process. <i>Experimental Gerontology</i> , 2014, 56, 147-153.	1.2	54
259	Nuclear matrix, nuclear envelope and premature aging syndromes in a translational research perspective. <i>Seminars in Cell and Developmental Biology</i> , 2014, 29, 125-147.	2.3	63

#	ARTICLE	IF	CITATIONS
260	Age and Cancer Risk. American Journal of Preventive Medicine, 2014, 46, S7-S15.	1.6	490
261	The two-faced progeria gene and its implications in aging and metabolism. EMBO Reports, 2014, 15, 470-471.	2.0	0
262	Revealing the Pathogenic and Aging-related Mechanisms of the Enigmatic Idiopathic Pulmonary Fibrosis. An Integral Model. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1161-1172.	2.5	360
263	Colorectal cancer surgery remains effective with rising patient age. International Journal of Colorectal Disease, 2014, 29, 971-979.	1.0	29
264	Antagonistic functions of LMNA isoforms in energy expenditure and lifespan. EMBO Reports, 2014, 15, 529-539.	2.0	47
265	New insights into skin stem cell aging and cancer. Biochemical Society Transactions, 2014, 42, 663-669.	1.6	12
266	Aging and longevity in the simplest animals and the quest for immortality. Ageing Research Reviews, 2014, 16, 66-82.	5.0	101
267	Sirtuins: guardians of mammalian healthspan. Trends in Genetics, 2014, 30, 271-286.	2.9	264
268	Proteostasis impairment in protein-misfolding and -aggregation diseases. Trends in Cell Biology, 2014, 24, 506-514.	3.6	519
269	Cellular signaling in the aging immune system. Current Opinion in Immunology, 2014, 29, 105-111.	2.4	139
270	Histone methylation and aging: Lessons learned from model systems. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 1454-1462.	0.9	70
271	Accumulation of modified proteins and aggregate formation in aging. Experimental Gerontology, 2014, 57, 122-131.	1.2	66
272	Multifocal epithelial tumors and field cancerization: stroma as a primary determinant. Journal of Clinical Investigation, 2014, 124, 1446-1453.	3.9	120
273	Fibrosis: ultimate and proximate causes. Journal of Clinical Investigation, 2014, 124, 4673-4677.	3.9	191
274	Isolating Intestinal Stem Cells from Adult <i>Drosophila</i> Midguts by FACS to Study Stem Cell Behavior During Aging. Journal of Visualized Experiments, 2014, , .	0.2	13
275	Adult Stem Cells and Diseases of Aging. Journal of Clinical Medicine, 2014, 3, 88-134.	1.0	94
276	Medical research: Treat ageing. Nature, 2014, 511, 405-407.	13.7	211
277	Aging of the Brain, Dementias, Role of Infectious Proteins: Facts and Theories. Interdisciplinary Topics in Gerontology, 2014, 39, 177-186.	3.6	1

#	ARTICLE	IF	CITATIONS
279	éª¼ãã®è²¿ç“€ãšè€ã,ãŸç«è,%ã,’è«è¿”ã,%ã»ã,«. Nature Digest, 2014, 11, 25-26.	0.0	0
281	Cordyceps sinensis oral liquid prolongs the lifespan of the fruit fly, <i>Drosophila melanogaster</i> , by inhibiting oxidative stress. International Journal of Molecular Medicine, 2015, 36, 939-946.	1.8	21
282	Long-term omega-3 fatty acid supplementation prevents expression changes in cochlear homocysteine metabolism and ameliorates progressive hearing loss in C57BL/6J mice. Journal of Nutritional Biochemistry, 2015, 26, 1424-1433.	1.9	29
283	Profiling of Sox4-dependent transcriptome in skin links tumour suppression and adult stem cell activation. Genomics Data, 2015, 6, 21-24.	1.3	3
284	<i>Humulus japonicus</i> extract exhibits antioxidative and anti-aging effects via modulation of the AMPK-SIRT1 pathway. Experimental and Therapeutic Medicine, 2015, 9, 1819-1826.	0.8	47
285	The crossroads between cancer stem cells and aging. BMC Cancer, 2015, 15, S1.	1.1	17
286	Comparative gene expression study of the vestibular organ of the <i>Igf1</i> deficient mouse using whole-transcript arrays. Hearing Research, 2015, 330, 62-77.	0.9	12
287	Images of Aging: Outside and Inside Perspectives. Annual Review of Gerontology and Geriatrics, 2015, 35, 187-209.	0.5	51
289	The effect of developmental nutrition on life span and fecundity depends on the adult reproductive environment in <i>Drosophila melanogaster</i> . Ecology and Evolution, 2015, 5, 1156-1168.	0.8	65
290	The anti-aging properties of a human placental hydrolysate combined with dieckol isolated from <i>Ecklonia cava</i> . BMC Complementary and Alternative Medicine, 2015, 15, 345.	3.7	12
291	Effects of donor age and proliferative aging on the phenotype stability of rat aortic smooth muscle cells. Physiological Reports, 2015, 3, e12626.	0.7	6
292	Towards Truly Interdisciplinary Research on Human Development. Research in Human Development, 2015, 12, 335-341.	0.8	6
295	Mitochondrial Biogenesis Is Impaired in Osteoarthritis Chondrocytes but Reversible via Peroxisome Proliferator-Activated Receptor Î³ Coactivator 1Î±. Arthritis and Rheumatology, 2015, 67, 2141-2153.	2.9	201
296	Genetic evidence for common pathways in human age-related diseases. Aging Cell, 2015, 14, 809-817.	3.0	70
297	Age-dependent decline in fin regenerative capacity in the short-lived fish <i>Nothobranchius furzeri</i> . Aging Cell, 2015, 14, 857-866.	3.0	66
298	Integration of omics data in aging research: from biomarkers to systems biology. Aging Cell, 2015, 14, 933-944.	3.0	103
299	The mitochondrial-derived peptide MOTS: a player in exceptional longevity?. Aging Cell, 2015, 14, 921-923.	3.0	80
300	Epigenome rejuvenation: HP1 mobility as a measure of pluripotent and senescent chromatin ground states. Scientific Reports, 2014, 4, 4789.	1.6	36

#	ARTICLE	IF	CITATIONS
301	Functional Role of Calstabin2 in Age-related Cardiac Alterations. <i>Scientific Reports</i> , 2015, 4, 7425.	1.6	61
302	Identification of potential mitochondrial CLPXP protease interactors and substrates suggests its central role in energy metabolism. <i>Scientific Reports</i> , 2015, 5, 18375.	1.6	68
303	Targeting mitochondrial energy metabolism with TSPO ligands. <i>Biochemical Society Transactions</i> , 2015, 43, 537-542.	1.6	22
304	Apocynin suppression of NADPH oxidase reverses the aging process in mesenchymal stem cells to promote osteogenesis and increase bone mass. <i>Scientific Reports</i> , 2015, 5, 18572.	1.6	41
305	Protein profiling reveals consequences of lifestyle choices on predicted biological aging. <i>Scientific Reports</i> , 2015, 5, 17282.	1.6	36
310	Interaction between microRNA expression and classical risk factors in the risk of coronary heart disease. <i>Scientific Reports</i> , 2015, 5, 14925.	1.6	35
311	Synchronized age-related gene expression changes across multiple tissues in human and the link to complex diseases. <i>Scientific Reports</i> , 2015, 5, 15145.	1.6	180
312	Mediation of organismal aging and somatic proteostasis by the germline. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 3.	1.6	18
313	Assembly of Slx4 signaling complexes behind <sc>DNA</sc> replication forks. <i>EMBO Journal</i> , 2015, 34, 2182-2197.	3.5	40
315	Determinants of Frailty and Longevity: Are They the Same Ones?. <i>Nestle Nutrition Institute Workshop Series</i> , 2015, 83, 29-40.	1.5	15
316	A Summary of the Biological Basis of Frailty. <i>Nestle Nutrition Institute Workshop Series</i> , 2015, 83, 41-44.	1.5	13
317	High-throughput sequencing insights into T-cell receptor repertoire diversity in aging. <i>Genome Medicine</i> , 2015, 7, 117.	3.6	40
318	Acute Myeloid Leukemia in the Elderly Patient: New Strategies. <i>Rare Cancers and Therapy</i> , 2015, 3, 1-11.	0.2	5
319	Effect of obesity on telomere length: Systematic review and meta-analysis. <i>Obesity</i> , 2015, 23, 2165-2174.	1.5	160
320	The African Turquoise Killifish: A Model for Exploring Vertebrate Aging and Diseases in the Fast Lane. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2015, 80, 275-279.	2.0	37
321	A proposed panel of biomarkers of healthy ageing. <i>BMC Medicine</i> , 2015, 13, 222.	2.3	184
322	NT-020 treatment reduces inflammation and augments Nrf-2 and Wnt signaling in aged rats. <i>Journal of Neuroinflammation</i> , 2015, 12, 174.	3.1	23
323	Gene expression in the liver of female, but not male mice treated with rapamycin resembles changes observed under dietary restriction. <i>SpringerPlus</i> , 2015, 4, 174.	1.2	5

#	ARTICLE	IF	CITATIONS
324	Management of elderly patients with chronic lymphocytic leukemia in the era of targeted therapies. Current Opinion in Oncology, 2015, 27, 365-370.	1.1	3

325 Emerging roles of frailty and inflammaging in risk assessment of age-related chronic diseases in older

#	ARTICLE	IF	CITATIONS
343	Autophagy in colorectal cancer: An important switch from physiology to pathology. World Journal of Gastrointestinal Oncology, 2015, 7, 271.	0.8	120
344	DNA methylation age of blood predicts future onset of lung cancer in the women's health initiative. Aging, 2015, 7, 690-700.	1.4	254
345	Commentary: What is Aging? Can it be Eliminated?. Current Aging Science, 2015, 8, 216-219.	0.4	0
346	Aging is Neither a Failure nor an Achievement of Natural Selection. Current Aging Science, 2015, 8, 4-10.	0.4	9
347	Gen�tica do envelhecimento e seu impacto sobre a longevidade humana: teorias e evid�ncias para preven�o das doen�as do envelhecimento. PAJAR - Pan-American Journal of Aging Research, 2015, 2, 3.	0.1	0
348	Quantification of Oxygen Consumption in Retina Ex Vivo Demonstrates Limited Reserve Capacity of Photoreceptor Mitochondria. , 2015, 56, 8428.		104
349	WIPI-Mediated Autophagy and Longevity. Cells, 2015, 4, 202-217.	1.8	38
350	The National Institute on Aging Health Disparities Research Framework. Ethnicity and Disease, 2015, 25, 245.	1.0	231
351	Rheumatoid Arthritis, Immunosenescence and the Hallmarks of Aging. Current Aging Science, 2015, 8, 131-146.	0.4	76
352	Towards an Evidence-based Model of Aging. Current Aging Science, 2015, 8, 46-55.	0.4	7
353	mTOR, AMPK, and Sirt1: Key Players in Metabolic Stress Management. Critical Reviews in Eukaryotic Gene Expression, 2015, 25, 59-75.	0.4	82
354	Breakdown of Epithelial Barrier Integrity and Overdrive Activation of Alveolar Epithelial Cells in the Pathogenesis of Acute Respiratory Distress Syndrome and Lung Fibrosis. BioMed Research International, 2015, 2015, 1-12.	0.9	59
355	Hormetins as Novel Components of Cosmeceuticals and Aging Interventions. Cosmetics, 2015, 2, 11-20.	1.5	7
356	Mitochondrial and Ubiquitin Proteasome System Dysfunction in Ageing and Disease: Two Sides of the Same Coin?. International Journal of Molecular Sciences, 2015, 16, 19458-19476.	1.8	90
357	The Role of Mitochondrial DNA in Mediating Alveolar Epithelial Cell Apoptosis and Pulmonary Fibrosis. International Journal of Molecular Sciences, 2015, 16, 21486-21519.	1.8	90
358	Changes in Regenerative Capacity through Lifespan. International Journal of Molecular Sciences, 2015, 16, 25392-25432.	1.8	146
359	Quasi-Steady-State Analysis based on Structural Modules and Timed Petri Net Predict System's Dynamics: The Life Cycle of the Insulin Receptor. Metabolites, 2015, 5, 766-793.	1.3	12
360	Nutrient Status Assessment in Individuals and Populations for Healthy Aging Statement from an Expert Workshop. Nutrients, 2015, 7, 10491-10500.	1.7	28

#	ARTICLE	IF	CITATIONS
361	It is time to classify biological aging as a disease. <i>Frontiers in Genetics</i> , 2015, 6, 205.	1.1	87
362	The aging-disease false dichotomy: understanding senescence as pathology. <i>Frontiers in Genetics</i> , 2015, 6, 212.	1.1	73
363	Classifying aging as a disease in the context of ICD-11. <i>Frontiers in Genetics</i> , 2015, 6, 326.	1.1	53
364	Inner ear hair cells deteriorate in mice engineered to have no or diminished innervation. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 33.	1.7	56
365	Muscle wasting in myotonic dystrophies: a model of premature aging. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 125.	1.7	72
366	Lifespan Extension Induced by Caffeine in <i>Caenorhabditis elegans</i> is Partially Dependent on Adenosine Signaling. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 220.	1.7	35
367	Impact of the Circadian Clock on the Aging Process. <i>Frontiers in Neurology</i> , 2015, 6, 43.	1.1	50
368	Drug Synergy Drives Conserved Pathways to Increase Fission Yeast Lifespan. <i>PLoS ONE</i> , 2015, 10, e0121877.	1.1	10
369	Excess Costs of Comorbidities in Chronic Obstructive Pulmonary Disease: A Systematic Review. <i>PLoS ONE</i> , 2015, 10, e0123292.	1.1	39
370	Alpha-Synuclein Levels in Blood Plasma Decline with Healthy Aging. <i>PLoS ONE</i> , 2015, 10, e0123444.	1.1	42
371	Trehalose Accumulation Triggers Autophagy during Plant Desiccation. <i>PLoS Genetics</i> , 2015, 11, e1005705.	1.5	94
372	Decline of Phosphotransfer and Substrate Supply Metabolic Circuits Hinders ATP Cycling in Aging Myocardium. <i>PLoS ONE</i> , 2015, 10, e0136556.	1.1	15
373	A New, Discontinuous 2 Phases of Aging Model: Lessons from <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0141920.	1.1	29
374	Change in N-Glycosylation of Plasma Proteins in Japanese Semisupercentenarians. <i>PLoS ONE</i> , 2015, 10, e0142645.	1.1	22
375	Periplasmic Acid Stress Increases Cell Division Asymmetry (Polar Aging) of <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2015, 10, e0144650.	1.1	9
376	The Insulin-Like Growth Factor System in the Long-Lived Naked Mole-Rat. <i>PLoS ONE</i> , 2015, 10, e0145587.	1.1	14
377	Hypothesis on Skeletal Muscle Aging: Mitochondrial Adenine Nucleotide Translocator Decreases Reactive Oxygen Species Production While Preserving Coupling Efficiency. <i>Frontiers in Physiology</i> , 2015, 6, 369.	1.3	5
378	Regenerative medicine in the treatment of idiopathic pulmonary fibrosis: current position. <i>Stem Cells and Cloning: Advances and Applications</i> , 2015, 8, 61.	2.3	27

#	ARTICLE	IF	CITATIONS
379	Pathological Role of Adipose Tissue Dysfunction in Cardio-Metabolic Disorders. <i>International Heart Journal</i> , 2015, 56, 255-259.	0.5	9
380	The Pleiotropic Effect of Physical Exercise on Mitochondrial Dynamics in Aging Skeletal Muscle. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-15.	1.9	63
381	Resveratrol: A Focus on Several Neurodegenerative Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	1.9	128
382	The Impact of Immunosenescence on Pulmonary Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	1.4	76
383	Vitamin E Supplementation Delays Cellular Senescence <i>In Vitro</i> . <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	10
384	Genome-Wide Gene Expression in relation to Age in Large Laboratory Cohorts of <i>Drosophila melanogaster</i> . <i>Genetics Research International</i> , 2015, 2015, 1-19.	2.0	30
385	Comparative Meta-Analysis of Transcriptomics Data during Cellular Senescence and <i>In Vivo</i> Tissue Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-17.	1.9	17
387	Proteomic identification of prognostic tumour biomarkers, using chemotherapy-induced cancer-associated fibroblasts. <i>Aging</i> , 2015, 7, 816-838.	1.4	32
388	Prelamin A and Oct-1: a puzzle of aging. <i>Oncotarget</i> , 2015, 6, 3475-3476.	0.8	2
389	Influence of non-steroidal anti-inflammatory drugs on <i>Drosophila melanogaster</i> longevity. <i>Oncotarget</i> , 2015, 6, 19428-19444.	0.8	46
390	Why is Qi-Invigorating Therapy in Chinese Medicine Suitable for Mitochondrial Diseases? A Bioenergetic Perspective. , 2015, , .		4
391	Somatic expression of <i>unc-54</i> and <i>vha-6</i> mRNAs declines but not pan-neuronal <i>rgef-1</i> and <i>unc-119</i> expression in aging <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2015, 5, 10692.	1.6	11
392	Altering nuclear pore complex function impacts longevity and mitochondrial function in <i>S. cerevisiae</i> . <i>Journal of Cell Biology</i> , 2015, 208, 729-744.	2.3	55
393	Progeria accelerates adult stem cell aging. <i>Science</i> , 2015, 348, 1093-1094.	6.0	16
394	Loss of <i>MT</i> \rightarrow <i>MMP</i> causes cell senescence and nuclear defects which can be reversed by retinoic acid. <i>EMBO Journal</i> , 2015, 34, 1875-1888.	3.5	78
395	Arginase I expression is upregulated by dietary restriction in the liver of mice as a function of age. <i>Molecular and Cellular Biochemistry</i> , 2015, 407, 1-7.	1.4	9
396	Silver Oncologic Tsunami: Quality Issues in the Senior Adult Oncology Population. <i>Journal of Oncology Practice</i> , 2015, 11, 190-192.	2.5	9
397	Combinatorial Strategies for the Induction of Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015, 6, 187.	2.2	289

#	ARTICLE	IF	CITATIONS
398	Promoting Healthy Brain Aging. JAMA Psychiatry, 2015, 72, 619.	6.0	1
399	Naive T Cell Maintenance and Function in Human Aging. Journal of Immunology, 2015, 194, 4073-4080.	0.4	271
400	Whole-genome fingerprint of the DNA methylome during human B cell differentiation. Nature Genetics, 2015, 47, 746-756.	9.4	278
401	Functional Effect of Pim1 Depends upon Intracellular Localization in Human Cardiac Progenitor Cells. Journal of Biological Chemistry, 2015, 290, 13935-13947.	1.6	26
402	Pharmacological diversity among drugs that inhibit bone resorption. Current Opinion in Pharmacology, 2015, 22, 115-130.	1.7	29
403	Potential Anti-aging Role of Taurine via Proper Protein Folding: A Study from Taurine Transporter Knockout Mouse. Advances in Experimental Medicine and Biology, 2015, 803, 481-487.	0.8	16
404	The functional and pathologic relevance of autophagy proteases. Journal of Clinical Investigation, 2015, 125, 33-41.	3.9	87
405	The master switchers in the aging of cardiovascular system, reverse senescence by microRNA signatures; as highly conserved molecules. Progress in Biophysics and Molecular Biology, 2015, 119, 111-128.	1.4	20
406	p53-Induced inflammation exacerbates cardiac dysfunction during pressure overload. Journal of Molecular and Cellular Cardiology, 2015, 85, 183-198.	0.9	59
407	Tensile properties of craniofacial tendons in the mature and aged zebrafish. Journal of Orthopaedic Research, 2015, 33, 867-873.	1.2	22
408	The P5 disulfide switch: taming the aging unfolded protein response. Cell Stress and Chaperones, 2015, 20, 743-751.	1.2	2
409	The systemic milieu as a mediator of dietary influence on stem cell function during ageing. Ageing Research Reviews, 2015, 19, 53-64.	5.0	26
410	Vitamin D cell signalling in health and disease. Biochemical and Biophysical Research Communications, 2015, 460, 53-71.	1.0	152
411	Pleiotropic effects of spongean alkaloids on mechanisms of cell death, cell cycle progression and DNA damage response (DDR) of acute myeloid leukemia (AML) cells. Cancer Letters, 2015, 361, 39-48.	3.2	22
412	Programming and Reprogramming Cellular Age in the Era of Induced Pluripotency. Cell Stem Cell, 2015, 16, 591-600.	5.2	147
413	Essential role for autophagy in life span extension. Journal of Clinical Investigation, 2015, 125, 85-93.	3.9	369
414	Blue Journal Conference. Aging and Susceptibility to Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 261-269.	2.5	149
415	Measurement of Mitochondrial NADH and FAD Autofluorescence in Live Cells. Methods in Molecular Biology, 2015, 1264, 263-270.	0.4	94

#	ARTICLE	IF	CITATIONS
416	Cellular and molecular mechanisms of negligible senescence: insight from the sea urchin. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 23-27.	0.3	20
417	Reconsidering the Role of Mitochondria in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1334-1342.	1.7	196
418	Autophagy: a druggable process that is deregulated in aging and human disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 1-4.	3.9	264
419	On the apparent rarity of epithelial cancers in captive chimpanzees. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140225.	1.8	35
420	The Intricate Interplay between Mechanisms Underlying Aging and Cancer. , 2015, 6, 56-75.		24
421	The Critical Need to Promote Research of Aging and Aging-related Diseases to Improve Health and Longevity of the Elderly Population. , 2015, 6, 1-5.		147
422	The role of telomeres and vitamin D in cellular aging and age-related diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1661-78.	1.4	44
423	Comprehensive transcriptional landscape of aging mouse liver. <i>BMC Genomics</i> , 2015, 16, 899.	1.2	98
424	<scp>DNA</scp> methylation and healthy human aging. <i>Aging Cell</i> , 2015, 14, 924-932.	3.0	665
425	Retinoblastoma protein promotes oxidative phosphorylation through upregulation of glycolytic genes in oncogene-induced senescent cells. <i>Aging Cell</i> , 2015, 14, 689-697.	3.0	53
426	From stem cells to the law courts: DNA methylation, the forensic epigenome and the possibility of a biosocial archive. <i>International Journal of Epidemiology</i> , 2015, 44, 1083-1093.	0.9	33
428	JAK inhibition alleviates the cellular senescence-associated secretory phenotype and frailty in old age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6301-10.	3.3	543
429	Proton irradiation impacts age-driven modulations of cancer progression influenced by immune system transcriptome modifications from splenic tissue. <i>Journal of Radiation Research</i> , 2015, 56, 792-803.	0.8	10
430	Longitudinal epigenetic and gene expression profiles analyzed by three-component analysis reveal down-regulation of genes involved in protein translation in human aging. <i>Nucleic Acids Research</i> , 2015, 43, e100-e100.	6.5	35
431	The Mechanobiology of Aging. <i>Annual Review of Biomedical Engineering</i> , 2015, 17, 113-141.	5.7	216
432	Aging and malignant hemopathies. <i>Haematologica</i> , 2015, 100, 571-574.	1.7	8
433	Aging and blood disorders: new perspectives, new challenges. <i>Haematologica</i> , 2015, 100, 415-417.	1.7	25
434	Genome Sequencing Fishes out Longevity Genes. <i>Cell</i> , 2015, 163, 1312-1313.	13.5	4

#	ARTICLE	IF	CITATIONS
435	NAD ⁺ in aging, metabolism, and neurodegeneration. <i>Science</i> , 2015, 350, 1208-1213.	6.0	887
436	The African Turquoise Killifish Genome Provides Insights into Evolution and Genetic Architecture of Lifespan. <i>Cell</i> , 2015, 163, 1539-1554.	13.5	200
437	The Role of the Microenvironmental Niche in Declining Stem-Cell Functions Associated with Biological Aging. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a025874.	2.9	41
438	Inflammation and intracellular metabolism: new targets in OA. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1835-1842.	0.6	81
439	Can aging be 'drugged'?. <i>Nature Medicine</i> , 2015, 21, 1400-1405.	15.2	47
440	Thioredoxin Reductase 2 (Txnrd2) Regulates Mitochondrial Integrity in the Progression of Age-Related Heart Failure. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	22
441	Reply to Newman: Quantification of biological aging in young adults is not the same thing as the onset of obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7164-E7165.	3.3	12
442	The zebrafish as a gerontology model in nervous system aging, disease, and repair. <i>Ageing Research Reviews</i> , 2015, 24, 358-368.	5.0	38
443	Measuring In Vivo Mitophagy. <i>Molecular Cell</i> , 2015, 60, 685-696.	4.5	512
444	Neuropeptide Y: An Anti-Aging Player?. <i>Trends in Neurosciences</i> , 2015, 38, 701-711.	4.2	37
445	iTRAQ-based analysis of progerin expression reveals mitochondrial dysfunction, reactive oxygen species accumulation and altered proteostasis. <i>Stem Cell Research and Therapy</i> , 2015, 6, 119.	2.4	28
446	Regulatory Roles of miRNAs in Aging. <i>Advances in Experimental Medicine and Biology</i> , 2015, 887, 213-230.	0.8	13
447	Age-Associated Methylation Suppresses SPRY1, Leading to a Failure of Re-quiescence and Loss of the Reserve Stem Cell Pool in Elderly Muscle. <i>Cell Reports</i> , 2015, 13, 1172-1182.	2.9	95
448	Aging-related inflammation in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1966-1971.	0.6	351
449	Repurposing metformin: an old drug with new tricks in its binding pockets. <i>Biochemical Journal</i> , 2015, 471, 307-322.	1.7	224
450	<i>daf-18</i> /PTEN locally antagonizes insulin signalling to couple germline stem cell proliferation to oocyte needs in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2015, 142, 4230-41.	1.2	20
451	Effects of sex steroids on bones and muscles: Similarities, parallels, and putative interactions in health and disease. <i>Bone</i> , 2015, 80, 67-78.	1.4	115
452	Persistent ³ H2AX: A promising molecular marker of DNA damage and aging. <i>Mutation Research - Reviews in Mutation Research</i> , 2015, 766, 1-19.	2.4	155

#	ARTICLE	IF	CITATIONS
453	Antagonistic roles between Nibbler and Hen1 modulate piRNA 3' ends in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2015, 143, 530-9.	1.2	53
454	When rejuvenation is a problem: challenges of modeling late-onset neurodegenerative disease. <i>Development (Cambridge)</i> , 2015, 142, 3085-3089.	1.2	38
455	The NR4A nuclear receptors as potential targets for anti-aging interventions. <i>Medical Hypotheses</i> , 2015, 84, 135-140.	0.8	33
456	The GSK-3 Family as Therapeutic Target for Myocardial Diseases. <i>Circulation Research</i> , 2015, 116, 138-149.	2.0	174
457	The unfolded protein response and cellular senescence. A Review in the Theme: Cellular Mechanisms of Endoplasmic Reticulum Stress Signaling in Health and Disease. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C415-C425.	2.1	225
458	Hallmarks of the ageing lung. <i>European Respiratory Journal</i> , 2015, 45, 807-827.	3.1	264
459	A Platform for Rapid Exploration of Aging and Diseases in a Naturally Short-Lived Vertebrate. <i>Cell</i> , 2015, 160, 1013-1026.	13.5	199
460	Serum copper to zinc ratio: Relationship with aging and health status. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 93-100.	2.2	159
461	Weaning Triggers a Maturation Step of Pancreatic β^2 Cells. <i>Developmental Cell</i> , 2015, 32, 535-545.	3.1	120
462	Chondrosenescence: Definition, hallmarks and potential role in the pathogenesis of osteoarthritis. <i>Maturitas</i> , 2015, 80, 237-244.	1.0	162
463	Ageing and inflammation – A central role for mitochondria in brain health and disease. <i>Ageing Research Reviews</i> , 2015, 21, 30-42.	5.0	92
464	RecQ helicases and PARP1 team up in maintaining genome integrity. <i>Ageing Research Reviews</i> , 2015, 23, 12-28.	5.0	36
465	Mechanisms of development of multimorbidity in the elderly. <i>European Respiratory Journal</i> , 2015, 45, 790-806.	3.1	150
466	Age-related changes in resting energy expenditure in normal weight, overweight and obese men and women. <i>Maturitas</i> , 2015, 80, 406-413.	1.0	23
467	mESC-Based in vitro Differentiation Models to Study Vascular Response and Functionality Following Genotoxic Insults. <i>Toxicological Sciences</i> , 2015, 144, 138-150.	1.4	9
468	Global Reorganization of the Nuclear Landscape in Senescent Cells. <i>Cell Reports</i> , 2015, 10, 471-483.	2.9	282
469	Transient delivery of modified mRNA encoding TERT rapidly extends telomeres in human cells. <i>FASEB Journal</i> , 2015, 29, 1930-1939.	0.2	85
470	Parallel Profiling of Fission Yeast Deletion Mutants for Proliferation and for Lifespan During Long-Term Quiescence. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 145-155.	0.8	38

#	ARTICLE	IF	CITATIONS
471	Mechanisms of maladaptive repair after AKI leading to accelerated kidney ageing and CKD. <i>Nature Reviews Nephrology</i> , 2015, 11, 264-276.	4.1	574
472	Discovering novel microRNAs and age-related nonlinear changes in rat brains using deep sequencing. <i>Neurobiology of Aging</i> , 2015, 36, 1037-1044.	1.5	22
473	Cognitive frailty, a novel target for the prevention of elderly dependency. <i>Ageing Research Reviews</i> , 2015, 20, 1-10.	5.0	231
474	Sirtuin function in aging heart and vessels. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 83, 55-61.	0.9	83
475	Protein synthesis as an integral quality control mechanism during ageing. <i>Ageing Research Reviews</i> , 2015, 23, 75-89.	5.0	20
476	Insights into the Evolution of Longevity from the Bowhead Whale Genome. <i>Cell Reports</i> , 2015, 10, 112-122.	2.9	280
477	Concise Review: Hematopoietic Stem Cell Aging and the Prospects for Rejuvenation. <i>Stem Cells Translational Medicine</i> , 2015, 4, 186-194.	1.6	31
478	Elimination of Unfit Cells Maintains Tissue Health and Prolongs Lifespan. <i>Cell</i> , 2015, 160, 461-476.	13.5	138
479	Telomere length differences between subcutaneous and visceral adipose tissue in humans. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 426-432.	1.0	49
480	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880.	3.5	1,012
481	Tipping the metabolic scales towards increased longevity in mammals. <i>Nature Cell Biology</i> , 2015, 17, 196-203.	4.6	120
482	SIRT6 rescues the age related decline in base excision repair in a PARP1-dependent manner. <i>Cell Cycle</i> , 2015, 14, 269-276.	1.3	96
483	Curcumin induces senescence of primary human cells building the vasculature in a DNA damage and ATM-independent manner. <i>Age</i> , 2015, 37, 9744.	3.0	34
484	Accelerating aging research: How can we measure the rate of biologic aging?. <i>Experimental Gerontology</i> , 2015, 64, 78-80.	1.2	48
485	Bioactive silica nanoparticles reverse age-associated bone loss in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 959-967.	1.7	45
486	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. <i>Biogerontology</i> , 2015, 16, 423-434.	2.0	14
487	Stem Cell Senescence as the Memory of Past Injuries. <i>Current Pathobiology Reports</i> , 2015, 3, 17-26.	1.6	3
488	Aging and DNA methylation. <i>BMC Biology</i> , 2015, 13, 7.	1.7	397

#	ARTICLE	IF	CITATIONS
489	Chromatin methylation and cardiovascular aging. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 83, 21-31.	0.9	18
490	Invertebrates as model organisms for research on aging biology. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 1-4.	0.3	20
491	PARK2-mediated mitophagy is involved in regulation of HBEC senescence in COPD pathogenesis. <i>Autophagy</i> , 2015, 11, 547-559.	4.3	206
492	Impact of nutrition on the ageing process. <i>British Journal of Nutrition</i> , 2015, 113, S18-S22.	1.2	47
493	Mitochondrial function and lifespan of mice with controlled ubiquinone biosynthesis. <i>Nature Communications</i> , 2015, 6, 6393.	5.8	102
494	Host Age Is a Systemic Regulator of Gene Expression Impacting Cancer Progression. <i>Cancer Research</i> , 2015, 75, 1134-1143.	0.4	34
495	Editorial overview: Musculoskeletal: Are there common targets to prevent age-related changes in muscle, cartilage and bone?. <i>Current Opinion in Pharmacology</i> , 2015, 22, v-viii.	1.7	1
496	A Periodic Diet that Mimics Fasting Promotes Multi-System Regeneration, Enhanced Cognitive Performance, and Healthspan. <i>Cell Metabolism</i> , 2015, 22, 86-99.	7.2	635
497	DNA repair defects and genome instability in Hutchinsonâ€“Gilford Progeria Syndrome. <i>Current Opinion in Cell Biology</i> , 2015, 34, 75-83.	2.6	108
498	Mechanisms by Which Different Functional States of Mitochondria Define Yeast Longevity. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5528-5554.	1.8	27
499	Cellular Mechanisms of Age-Related Hearing Loss. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2015, , 305-333.	0.4	3
500	Proteomic analysis reveals novel common genes modulated in both replicative and stress-induced senescence. <i>Journal of Proteomics</i> , 2015, 128, 18-29.	1.2	15
501	High-throughput analysis of yeast replicative aging using a microfluidic system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9364-9369.	3.3	141
502	Interfacing mitochondrial biogenesis and elimination to enhance host pathogen defense and longevity. <i>Worm</i> , 2015, 4, e1071763.	1.0	6
503	Pharmacotherapy in the ageing patient: The impact of age per se (A review). <i>Ageing Research Reviews</i> , 2015, 24, 99-110.	5.0	12
504	Intrinsic and extrinsic mortality reunited. <i>Experimental Gerontology</i> , 2015, 67, 48-53.	1.2	21
505	Noncoding Transcriptional Landscape in Human Aging. <i>Current Topics in Microbiology and Immunology</i> , 2015, 394, 177-202.	0.7	6
506	NF- κ B activation impairs somatic cell reprogramming in ageing. <i>Nature Cell Biology</i> , 2015, 17, 1004-1013.	4.6	91

#	ARTICLE	IF	CITATIONS
507	Genetics and Pharmacology of Longevity. <i>Advances in Genetics</i> , 2015, 90, 1-101.	0.8	35
508	The Ras-Erk-ETS-Signaling Pathway Is a Drug Target for Longevity. <i>Cell</i> , 2015, 162, 72-83.	13.5	180
509	SIRT3 regulates progression and development of diseases of aging. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 486-492.	3.1	167
510	Ablation of the p16INK4a tumour suppressor reverses ageing phenotypes of klotho mice. <i>Nature Communications</i> , 2015, 6, 7035.	5.8	64
512	Sirtuins, aging, and cardiovascular risks. <i>Age</i> , 2015, 37, 9804.	3.0	27
513	Metabolomic analyses reveal that anti-aging metabolites are depleted by palmitate but increased by oleate <i>in vivo</i> . <i>Cell Cycle</i> , 2015, 14, 2399-2407.	1.3	27
514	Mice with Pulmonary Fibrosis Driven by Telomere Dysfunction. <i>Cell Reports</i> , 2015, 12, 286-299.	2.9	175
515	Mitochondrial decline precedes phenotype development in the complement factor H mouse model of retinal degeneration but can be corrected by near infrared light. <i>Neurobiology of Aging</i> , 2015, 36, 2869-2876.	1.5	37
516	High-fat diet and FGF21 cooperatively promote aerobic thermogenesis in mtDNA mutator mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8714-8719.	3.3	47
517	2-Oxoglutarate-dependent dioxygenases are sensors of energy metabolism, oxygen availability, and iron homeostasis: potential role in the regulation of aging process. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3897-3914.	2.4	78
518	Extended in vitro maturation affects gene expression and DNA methylation in bovine oocytes. <i>Molecular Human Reproduction</i> , 2015, 21, 770-782.	1.3	20
520	Cellular Senescence in Type 2 Diabetes: A Therapeutic Opportunity. <i>Diabetes</i> , 2015, 64, 2289-2298.	0.3	294
521	Advanced therapy medicinal products: Gene therapy. <i>Pharmaceuticals Policy and Law</i> , 2015, 17, 253-264.	0.1	0
522	Maintenance of Homeostasis in the Aging Hypothalamus: The Central and Peripheral Roles of Succinate. <i>Frontiers in Endocrinology</i> , 2015, 6, 7.	1.5	35
523	DDR-mediated crosstalk between DNA-damaged cells and their microenvironment. <i>Frontiers in Genetics</i> , 2015, 6, 94.	1.1	83
525	Mechanisms and functions of Nrf2 signaling in <i>Drosophila</i> . <i>Free Radical Biology and Medicine</i> , 2015, 88, 302-313.	1.3	82
526	Replicating through telomeres: a means to an end. <i>Trends in Biochemical Sciences</i> , 2015, 40, 504-515.	3.7	113
527	Cardiorespiratory Capacity and Leukocyte Telomere Length Among Adults in the United States: Table A1. <i>American Journal of Epidemiology</i> , 2015, 182, 198-201.	1.6	31

#	ARTICLE	IF	CITATIONS
528	Multitasking Roles for Poly(ADP-ribosyl)ation in Aging and Longevity. <i>Cancer Drug Discovery and Development</i> , 2015, , 125-179.	0.2	1
529	Aging without Apolipoprotein D: Molecular and cellular modifications in the hippocampus and cortex. <i>Experimental Gerontology</i> , 2015, 67, 19-47.	1.2	37
530	Reversal of mitochondrial defects with CSB-dependent serine protease inhibitors in patient cells of the progeroid Cockayne syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2910-9.	3.3	55
531	Oxidative stress, mitochondrial and proteostasis malfunction in adrenoleukodystrophy: A paradigm for axonal degeneration. <i>Free Radical Biology and Medicine</i> , 2015, 88, 18-29.	1.3	54
532	Inhibition of Telomere Recombination by Inactivation of KEOPS Subunit Cgi121 Promotes Cell Longevity. <i>PLoS Genetics</i> , 2015, 11, e1005071.	1.5	18
533	Effects of increased paternal age on sperm quality, reproductive outcome and associated epigenetic risks to offspring. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 35.	1.4	272
534	Tumor-promoting/progressing role of additional chromosome instability in hepatic carcinogenesis in Sgo1 (Shugoshin 1) haploinsufficient mice. <i>Carcinogenesis</i> , 2015, 36, 429-440.	1.3	20
535	Farnesol-Like Endogenous Sesquiterpenoids in Vertebrates: The Probable but Overlooked Functional Anti-Aging Counterpart of Juvenile Hormone of Insects?. <i>Frontiers in Endocrinology</i> , 2014, 5, 222.	1.5	11
536	Defining the General Principles of Stem Cell Aging: Lessons from Organismal Models. <i>Current Stem Cell Reports</i> , 2015, 1, 162-169.	0.7	3
537	Longevity Sticker Shock: The One Remaining Obstacle to Widespread Credentialed Support for Rejuvenation Biotechnology. <i>Rejuvenation Research</i> , 2015, 18, 201-202.	0.9	0
538	Analytical approaches to the diagnosis and treatment of aging and aging-related disease: redox status and proteomics. <i>Free Radical Research</i> , 2015, 49, 511-524.	1.5	34
539	The Redox Code. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 734-746.	2.5	474
540	Essential role for the ATG4B protease and autophagy in bleomycin-induced pulmonary fibrosis. <i>Autophagy</i> , 2015, 11, 670-684.	4.3	131
541	A Werner syndrome stem cell model unveils heterochromatin alterations as a driver of human aging. <i>Science</i> , 2015, 348, 1160-1163.	6.0	429
542	UPRmt-mediated cytoprotection and organismal aging. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1448-1456.	0.5	97
543	Imaging of cellular aging in human retinal blood vessels. <i>Experimental Eye Research</i> , 2015, 135, 14-25.	1.2	18
544	Caloric restriction and the adipokine leptin alter the SDF-1 signaling axis in bone marrow and in bone marrow derived mesenchymal stem cells. <i>Molecular and Cellular Endocrinology</i> , 2015, 410, 64-72.	1.6	12
545	Human aging in the post-GWAS era: further insights reveal potential regulatory variants. <i>Biogerontology</i> , 2015, 16, 529-541.	2.0	5

#	ARTICLE	IF	CITATIONS
546	Predicting the Pro-Longevity or Anti-Longevity Effect of Model Organism Genes with New Hierarchical Feature Selection Methods. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015, 12, 262-275.	1.9	34
547	Molecular mechanisms of dietary restriction in aging—insights from <i>Caenorhabditis elegans</i> research. <i>Science China Life Sciences</i> , 2015, 58, 352-358.	2.3	8
548	Autophagic activity as an indicator for selecting good quality embryos. <i>Reproductive Medicine and Biology</i> , 2015, 14, 57-64.	1.0	9
549	Current aging research in China. <i>Protein and Cell</i> , 2015, 6, 314-321.	4.8	31
550	Asthma in the Elderly. <i>Current Geriatrics Reports</i> , 2015, 4, 174-182.	1.1	1
551	When Anti-Aging Studies Meet Cancer Chemoprevention: Can Anti-Aging Agent Kill Two Birds with One Blow?. <i>Current Pharmacology Reports</i> , 2015, 1, 420-433.	1.5	11
552	The hallmarks of cancer: relevance to the pathogenesis of polycystic kidney disease. <i>Nature Reviews Nephrology</i> , 2015, 11, 515-534.	4.1	115
553	From inflammaging to healthy aging by dietary lifestyle choices: is epigenetics the key to personalized nutrition?. <i>Clinical Epigenetics</i> , 2015, 7, 33.	1.8	156
554	Cardiac aging — Getting to the stem of the problem. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 83, 32-36.	0.9	41
555	Longevity, Rejuvenation, and Rasayana. , 2015, , 259-291.		2
556	The mechanism of ageing: primary role of transposable elements in genome disintegration. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 1839-1847.	2.4	59
557	An automated phenotype-based microscopy screen to identify pro-longevity interventions acting through mitochondria in <i>C. elegans</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1469-1478.	0.5	16
558	A Frailty Index Based on Common Laboratory Tests in Comparison With a Clinical Frailty Index for Older Adults in Long-Term Care Facilities. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 842-847.	1.2	84
559	Why Is Aging Conserved and What Can We Do about It?. <i>PLoS Biology</i> , 2015, 13, e1002131.	2.6	62
560	Longevity Extension by Phytochemicals. <i>Molecules</i> , 2015, 20, 6544-6572.	1.7	76
562	Aging and Multimorbidity: New Tasks, Priorities, and Frontiers for Integrated Gerontological and Clinical Research. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 640-647.	1.2	340
563	Longevity Genes. <i>Advances in Experimental Medicine and Biology</i> , 2015, , .	0.8	5
564	The renin—angiotensin system and its involvement in vascular disease. <i>European Journal of Pharmacology</i> , 2015, 763, 3-14.	1.7	94

#	ARTICLE	IF	CITATIONS
565	iPSCs as a major opportunity to understand and cure age-related diseases. <i>Biogerontology</i> , 2015, 16, 399-410.	2.0	6
566	Ageing-associated changes in the human DNA methylome: genomic locations and effects on gene expression. <i>BMC Genomics</i> , 2015, 16, 179.	1.2	110
567	Evolutionary Genetic Bases of Longevity and Senescence. <i>Advances in Experimental Medicine and Biology</i> , 2015, 847, 1-44.	0.8	12
568	Candidate Genes That Affect Aging Through Protein Homeostasis. <i>Advances in Experimental Medicine and Biology</i> , 2015, 847, 45-72.	0.8	7
569	Exome and Whole Genome Sequencing in Aging and Longevity. <i>Advances in Experimental Medicine and Biology</i> , 2015, 847, 127-139.	0.8	5
570	New roles for mitochondrial proteases in health, ageing and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 345-359.	16.1	453
571	Control of Autophagy in Parkinson's Disease. <i>Current Topics in Neurotoxicity</i> , 2015, , 91-122.	0.4	1
572	MAD2L2 controls DNA repair at telomeres and DNA breaks by inhibiting 5' end resection. <i>Nature</i> , 2015, 521, 537-540.	13.7	253
573	Stress Responses. <i>Methods in Molecular Biology</i> , 2015, , .	0.4	8
574	Genomic instability: Crossing pathways at the origin of structural and numerical chromosome changes. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 563-580.	0.9	29
575	Mitochondrial Medicine. <i>Methods in Molecular Biology</i> , 2015, , .	0.4	4
576	Holding your breath for longevity. <i>Science</i> , 2015, 347, 1319-1320.	6.0	13
577	A mitochondrial UPR-mediated metabolic checkpoint regulates hematopoietic stem cell aging. <i>Science</i> , 2015, 347, 1374-1377.	6.0	413
579	Single-Cell Telomere-Length Quantification Couples Telomere Length to Meristem Activity and Stem Cell Development in Arabidopsis. <i>Cell Reports</i> , 2015, 11, 977-989.	2.9	24
580	MARK-AGE biomarkers of ageing. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 2-12.	2.2	189
581	Gender- and region-dependent changes of redox biomarkers in the brain of successfully aging LOU/C rats. <i>Mechanisms of Ageing and Development</i> , 2015, 149, 19-30.	2.2	8
582	Inflammaging and Cancer: A Challenge for the Mediterranean Diet. <i>Nutrients</i> , 2015, 7, 2589-2621.	1.7	160
583	Redox theory of aging. <i>Redox Biology</i> , 2015, 5, 71-79.	3.9	160

#	ARTICLE	IF	CITATIONS
584	A nuclear role for the respiratory enzyme CLK-1 in regulating mitochondrial stress responses and longevity. <i>Nature Cell Biology</i> , 2015, 17, 782-792.	4.6	77
585	Mitochondria, Muscle Health, and Exercise with Advancing Age. <i>Physiology</i> , 2015, 30, 208-223.	1.6	133
586	The role of mitochondrial DNA mutation on neurodegenerative diseases. <i>Experimental and Molecular Medicine</i> , 2015, 47, e150-e150.	3.2	114
587	Folates and aging: Role in mild cognitive impairment, dementia and depression. <i>Ageing Research Reviews</i> , 2015, 22, 9-19.	5.0	118
588	Meeting current musculoskeletal health demand through deeper insights into tissue homeostasis and regeneration. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 767-771.	1.4	8
589	Three-dimensional human facial morphologies as robust aging markers. <i>Cell Research</i> , 2015, 25, 574-587.	5.7	97
590	Caloric restriction, resveratrol and melatonin: Role of SIRT1 and implications for aging and related-diseases. <i>Mechanisms of Ageing and Development</i> , 2015, 146-148, 28-41.	2.2	137
591	Understanding and Reducing Disability in Older Adults Following Critical Illness*. <i>Critical Care Medicine</i> , 2015, 43, 1265-1275.	0.4	100
592	Ablation of insulin-producing cells prevents obesity but not premature mortality caused by a high-sugar diet in <i>Drosophila</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141720.	1.2	12
593	Near-infrared light increases ATP, extends lifespan and improves mobility in aged <i>Drosophila melanogaster</i> . <i>Biology Letters</i> , 2015, 11, 20150073.	1.0	35
594	Investigating the Regulation of Stem and Progenitor Cell Mitotic Progression by In Situ Imaging. <i>Current Biology</i> , 2015, 25, 1123-1134.	1.8	36
595	Myc mouse and anti-ageing therapy. <i>Trends in Endocrinology and Metabolism</i> , 2015, 26, 163-164.	3.1	2
596	Accelerated ageing of the lung in COPD: new concepts. <i>Thorax</i> , 2015, 70, 482-489.	2.7	250
597	Analysis of lifespan-promoting effect of garlic extract by an integrated metabolo-proteomics approach. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 808-817.	1.9	20
598	Biomolecular bases of the senescence process and cancer. A new approach to oncological treatment linked to ageing. <i>Ageing Research Reviews</i> , 2015, 23, 125-138.	5.0	20
599	Distinct metabolomic signatures are associated with longevity in humans. <i>Nature Communications</i> , 2015, 6, 6791.	5.8	120
600	Emerging targets in osteoarthritis therapy. <i>Current Opinion in Pharmacology</i> , 2015, 22, 51-63.	1.7	142
601	Translational Research in the Fastest-Growing Population. , 2015, , 299-311.		2

#	ARTICLE	IF	CITATIONS
602	Muscle stem cell aging: regulation and rejuvenation. Trends in Endocrinology and Metabolism, 2015, 26, 287-296.	3.1	131
603	The influence of dietary fat source on liver and skeletal muscle mitochondrial modifications and lifespan changes in calorie-restricted mice. Biogerontology, 2015, 16, 655-670.	2.0	19
604	CINcere Modelling: What Have Mouse Models for Chromosome Instability Taught Us?. Recent Results in Cancer Research, 2015, 200, 39-60.	1.8	28
605	The DNA damage response induces inflammation and senescence by inhibiting autophagy of GATA4. Science, 2015, 349, aaa5612.	6.0	693
606	Genetics and genomics of psychiatric disease. Science, 2015, 349, 1489-1494.	6.0	337
607	Somatic mutation in cancer and normal cells. Science, 2015, 349, 1483-1489.	6.0	996
608	<i>Hydra</i>, a powerful model for aging studies. Invertebrate Reproduction and Development, 2015, 59, 11-16.	0.3	46
609	Frailty for Surgeons: Review of a National Institute on Aging Conference on Frailty for Specialists. Journal of the American College of Surgeons, 2015, 221, 1083-1092.	0.2	229
610	Closing the Circle: Stem Cell Rejuvenation and Longevity. , 2015, , 343-354.		0
611	The Neural Progenitor Cell (NPC) Niche in the Adult Brain Provides a Target for Neurotoxicity: A Putative Adverse Outcome Pathway for ROS-Induced NPC Dysfunction with Higher Sensitivity During Aging. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 413-425.	0.4	0
612	Smoking and interstitial lung diseases. European Respiratory Review, 2015, 24, 428-435.	3.0	56
613	Regenerative Biology of Tendon: Mechanisms for Renewal and Repair. Current Molecular Biology Reports, 2015, 1, 124-131.	0.8	43
614	Integrated Transcriptome and Proteome Analyses Reveal Organ-Specific Proteome Deterioration in Old Rats. Cell Systems, 2015, 1, 224-237.	2.9	176
615	Oxidative Stress in the Aging Process: Fundamental Aspects and New Insights. ACS Symposium Series, 2015, , 177-219.	0.5	6
616	Understanding the susceptibility of dopamine neurons to mitochondrial stressors in Parkinson's disease. FEBS Letters, 2015, 589, 3702-3713.	1.3	99
618	SIMply Better Resolution in Live Cells. Trends in Cell Biology, 2015, 25, 636-638.	3.6	4
619	Age-related proteostasis and metabolic alterations in Caspase-2-deficient mice. Cell Death and Disease, 2015, 6, e1615-e1615.	2.7	39
620	Frailty: a tale of two concepts. BMC Medicine, 2015, 13, 185.	2.3	108

#	ARTICLE	IF	CITATIONS
621	Increased abundance of translation machinery in stem cellâ€‘derived neural progenitor cells from four schizophrenia patients. <i>Translational Psychiatry</i> , 2015, 5, e662-e662.	2.4	48
622	The InflammTORY Powers of Senescence. <i>Trends in Cell Biology</i> , 2015, 25, 634-636.	3.6	12
623	Age-regulated function of autophagy in the mouse inner ear. <i>Hearing Research</i> , 2015, 330, 39-50.	0.9	36
624	Mirâ€‘23a induces telomere dysfunction and cellular senescence by inhibiting <sc>TRF</sc>2 expression. <i>Aging Cell</i> , 2015, 14, 391-399.	3.0	49
625	Aging and radiation: bad companions. <i>Aging Cell</i> , 2015, 14, 153-161.	3.0	62
626	Cell-based screen for altered nuclear phenotypes reveals senescence progression in polyploid cells after Aurora kinase B inhibition. <i>Molecular Biology of the Cell</i> , 2015, 26, 2971-2985.	0.9	42
627	Riboseâ€‘5-phosphate isomerase <sc>A</sc> regulates hepatocarcinogenesis <i>via</i> <sc>PP2A</sc> and <sc>ERK</sc> signaling. <i>International Journal of Cancer</i> , 2015, 137, 104-115.	2.3	39
628	Random monoallelic expression of autosomal genes: stochastic transcription and allele-level regulation. <i>Nature Reviews Genetics</i> , 2015, 16, 653-664.	7.7	174
629	A respiratory chain controlled signal transduction cascade in the mitochondrial intermembrane space mediates hydrogen peroxide signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5679-88.	3.3	58
631	Reprogramming aging through DOT1L inhibition. <i>Cell Cycle</i> , 2015, 14, 3345-3346.	1.3	13
632	Mitochondrial Respiration Controls Lysosomal Function during Inflammatory T Cell Responses. <i>Cell Metabolism</i> , 2015, 22, 485-498.	7.2	239
633	Combined CSL and p53 downregulation promotes cancer-associated fibroblast activation. <i>Nature Cell Biology</i> , 2015, 17, 1193-1204.	4.6	170
634	SKN-1/Nrf, stress responses, and aging in <i>Caenorhabditis elegans</i> . <i>Free Radical Biology and Medicine</i> , 2015, 88, 290-301.	1.3	420
635	Transcription errors induce proteotoxic stress and shorten cellular lifespan. <i>Nature Communications</i> , 2015, 6, 8065.	5.8	73
636	Basic mechanisms of longevity: A case study of <i>Drosophila</i> pro-longevity genes. <i>Ageing Research Reviews</i> , 2015, 24, 218-231.	5.0	32
637	Clinical Advances in Geriatric Psychiatry. <i>Psychiatric Clinics of North America</i> , 2015, 38, 495-514.	0.7	14
638	Frailty: Scaling from Cellular Deficit Accumulation?. <i>Interdisciplinary Topics in Gerontology and Geriatrics</i> , 2015, 41, 1-14.	2.6	18
639	Frailty and Social Vulnerability. <i>Interdisciplinary Topics in Gerontology and Geriatrics</i> , 2015, 41, 186-195.	2.6	46

#	ARTICLE	IF	CITATIONS
640	Stem Cell Depletion by Global Disorganization of the H3K9me3 Epigenetic Marker in Aging. <i>Rejuvenation Research</i> , 2015, 18, 371-375.	0.9	18
641	Chronic obstructive pulmonary disease and cerebrovascular disease: A comprehensive review. <i>Respiratory Medicine</i> , 2015, 109, 1371-1380.	1.3	94
642	Of mice, pigs and humans: An analysis of mitochondrial phospholipids from mammals with very different maximal lifespans. <i>Experimental Gerontology</i> , 2015, 70, 135-143.	1.2	29
643	Epigenetic mechanisms of dietary restriction induced aging in <i>Drosophila</i> . <i>Experimental Gerontology</i> , 2015, 72, 38-44.	1.2	13
644	Preventing clonal evolutionary processes in cancer: Insights from mathematical models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8843-8850.	3.3	17
645	Red blood cells open promising avenues for longitudinal studies of ageing in laboratory, non-model and wild animals. <i>Experimental Gerontology</i> , 2015, 71, 118-134.	1.2	73
646	Transcriptomic and epigenetic analyses reveal a gender difference in aging-associated inflammation: the Vitality 90+ study. <i>Age</i> , 2015, 37, 9814.	3.0	37
647	Questioning causal involvement of telomeres in aging. <i>Ageing Research Reviews</i> , 2015, 24, 191-196.	5.0	88
648	Micronucleus frequency in peripheral blood lymphocytes and frailty status in elderly. A lack of association with clinical features. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 780, 47-54.	0.4	7
649	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. <i>Nature Communications</i> , 2015, 6, 10025.	5.8	122
650	Telomeres shorten more slowly in slow-aging wild animals than in fast-aging ones. <i>Experimental Gerontology</i> , 2015, 71, 38-47.	1.2	82
651	Hexapeptide-11 is a novel modulator of the proteostasis network in human diploid fibroblasts. <i>Redox Biology</i> , 2015, 5, 205-215.	3.9	23
652	Cell Therapy Strategies to Combat Immunosenescence. <i>Organogenesis</i> , 2015, 11, 159-172.	0.4	55
653	Proteasome activation: An innovative promising approach for delaying aging and retarding age-related diseases. <i>Ageing Research Reviews</i> , 2015, 23, 37-55.	5.0	89
654	Epigenetic mechanisms regulate NADPH oxidase-4 expression in cellular senescence. <i>Free Radical Biology and Medicine</i> , 2015, 79, 197-205.	1.3	65
655	Dissection of the Cord Blood Stromal Component Reveals Predictive Parameters for Culture Outcome. <i>Stem Cells and Development</i> , 2015, 24, 104-114.	1.1	22
656	Endocannabinoid signalling and the deteriorating brain. <i>Nature Reviews Neuroscience</i> , 2015, 16, 30-42.	4.9	312
657	The Amazing Ubiquitin-Proteasome System: Structural Components and Implication in Aging. <i>International Review of Cell and Molecular Biology</i> , 2015, 314, 171-237.	1.6	59

#	ARTICLE	IF	CITATIONS
658	Dauer-independent insulin/IGF-1-signalling implicates collagen remodelling in longevity. <i>Nature</i> , 2015, 519, 97-101.	13.7	251
659	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015, 22, 509-516.	5.0	237
660	Exercise Attenuates the Major Hallmarks of Aging. <i>Rejuvenation Research</i> , 2015, 18, 57-89.	0.9	275
661	Proteolysis mediated by cysteine cathepsins and legumain—recent advances and cell biological challenges. <i>Protoplasma</i> , 2015, 252, 755-774.	1.0	36
662	A neuronal DNA damage response is detected at the earliest stages of Alzheimer's neuropathology and correlates with cognitive impairment in the Medical Research Council's Cognitive Function and Ageing Study ageing brain cohort. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 483-496.	1.8	40
663	Characterization of bone marrow-derived mesenchymal stem cells in aging. <i>Bone</i> , 2015, 70, 37-47.	1.4	227
664	Role of Cigarette Smoke—Induced Aggresome Formation in Chronic Obstructive Pulmonary Disease—Emphysema Pathogenesis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 159-173.	1.4	101
665	Aging and brain rejuvenation as systemic events. <i>Journal of Neurochemistry</i> , 2015, 132, 5-19.	2.1	69
666	Omega-3 polyunsaturated fatty acids improve mitochondrial dysfunction in brain aging — Impact of Bcl-2 and NPD-1 like metabolites. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 92, 23-31.	1.0	81
667	A prospective epigenetic paradigm between cellular senescence and epithelial-mesenchymal transition in organismal development and aging. <i>Translational Research</i> , 2015, 165, 241-249.	2.2	13
668	Mechanisms and biological functions of autophagy in diseased and ageing kidneys. <i>Nature Reviews Nephrology</i> , 2015, 11, 34-45.	4.1	81
669	DAMPs, ageing, and cancer: The —DAMP Hypothesis™. <i>Ageing Research Reviews</i> , 2015, 24, 3-16.	5.0	117
670	GDF15 is a novel biomarker to evaluate efficacy of pyruvate therapy for mitochondrial diseases. <i>Mitochondrion</i> , 2015, 20, 34-42.	1.6	103
671	Multisystem Physiologic Impairments and Changes in Gait Speed of Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 319-324.	1.7	49
672	20S proteasome activation promotes life span extension and resistance to proteotoxicity in <i>Caenorhabditis elegans</i> . <i>FASEB Journal</i> , 2015, 29, 611-622.	0.2	140
673	Emerging regulators of the inflammatory process in osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2015, 11, 35-44.	3.5	475
674	<i>Cryptomphalus aspersa</i> mollusc eggs extract promotes migration and prevents cutaneous ageing in keratinocytes and dermal fibroblasts <i>in vitro</i> . <i>International Journal of Cosmetic Science</i> , 2015, 37, 41-55.	1.2	18
675	Hitting the High Notes: Healthy Aging in Professional Orchestral Musicians. , 2016, , 355-376.		5

#	ARTICLE	IF	CITATIONS
676	The Impact of the Eye in Dementia: The Eye and its Role in Diagnosis and Follow-up. , 2016, , .		6
677	Aldehyde dehydrogenase 2 activation in aged heart improves the autophagy by reducing the carbonyl modification on SIRT1. Oncotarget, 2016, 7, 2175-2188.	0.8	49
678	Unraveling Stochastic Aging Processes in Mouse Liver. , 2016, , 11-19.		1
679	Loss of p53-mediated cell-cycle arrest, senescence and apoptosis promotes genomic instability and premature aging. Oncotarget, 2016, 7, 11838-11849.	0.8	60
680	Induction of Nuclear Enlargement and Senescence by Sirtuin Inhibitors in Glioblastoma Cells. Immune Network, 2016, 16, 183.	1.6	18
681	Molecular and Cellular Basis of Aging. , 2016, , 3-9.		7
682	A Mitochondrial Perspective of Chronic Obstructive Pulmonary Disease Pathogenesis. Tuberculosis and Respiratory Diseases, 2016, 79, 207.	0.7	41
683	Early Life Origins of Adult Health and Aging. , 2016, , 101-122.		2
684	Comparative Large-Scale Mitogenomics Evidences Clade-Specific Evolutionary Trends in Mitochondrial DNAs of Bivalvia. Genome Biology and Evolution, 2016, 8, 2544-2564.	1.1	51
685	Extracellular Vesicles as New Players in Cellular Senescence. International Journal of Molecular Sciences, 2016, 17, 1408.	1.8	91
686	Candidate genes of idiopathic pulmonary fibrosis: current evidence and research. The Application of Clinical Genetics, 2016, 9, 5.	1.4	15
687	Stage dependent nutritional regulation of transgenerational longevity. Nutrition and Healthy Aging, 2016, 4, 47-54.	0.5	6
688	Normal Aging and Dementia. , 2016, , .		7
689	Nutrition in the Elderly. , 2016, , 41-55.		1
691	Beyond Diabetes: Does Obesity-Induced Oxidative Stress Drive the Aging Process?. Antioxidants, 2016, 5, 24.	2.2	35
692	Molecular Diagnosis and Precision Therapeutic Approaches for Telomere Biology Disorders. , 0, , .		2
693	Effects of Ageing in Physical Fitness. Occupational Medicine & Health Affairs, 2016, 4, .	0.1	1
694	Involvement of Daphnia pulex Sir2 in regulating stress response and lifespan. Aging, 2016, 8, 402-417.	1.4	12

#	ARTICLE	IF	CITATIONS
695	The Aging Workforce Handbook. , 2016, , .		3
696	Nutrition and lifestyle in healthy aging: the telomerase challenge. <i>Aging</i> , 2016, 8, 12-15.	1.4	46
697	Finding Ponce de Leon's Pill: Challenges in Screening for Anti-Aging Molecules. <i>F1000Research</i> , 2016, 5, 406.	0.8	20
698	Caloric restriction stimulates autophagy in rat cortical neurons through neuropeptide Y and ghrelin receptors activation. <i>Aging</i> , 2016, 8, 1470-1484.	1.4	50
699	Rejuvenation on the Road to Pluripotency. , 0, , .		0
700	Longevity of animals under reactive oxygen species stress and disease susceptibility due to global warming. <i>World Journal of Biological Chemistry</i> , 2016, 7, 110.	1.7	60
701	Telomeres and telomerase as therapeutic targets to prevent and treat age-related diseases. <i>F1000Research</i> , 2016, 5, 89.	0.8	64
702	Inflammaging increases susceptibility to cigarette smoke-induced COPD. <i>Oncotarget</i> , 2016, 7, 30068-30083.	0.8	40
703	The Molecular Basis of the Immune Response to Stressed Cells and Tissues. , 2016, , 53-79.		0
704	Systematic and Cell Type-Specific Telomere Length Changes in Subsets of Lymphocytes. <i>Journal of Immunology Research</i> , 2016, 2016, 1-9.	0.9	84
705	Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. <i>ELife</i> , 2016, 5, .	2.8	158
706	Differential Proteomic Analysis of Human Placenta-Derived Mesenchymal Stem Cells Cultured on Normal Tissue Culture Surface and Hyaluronan-Coated Surface. <i>Stem Cells International</i> , 2016, 2016, 1-16.	1.2	6
707	Ultraviolet Radiation-Induced Skin Aging: The Role of DNA Damage and Oxidative Stress in Epidermal Stem Cell Damage Mediated Skin Aging. <i>Stem Cells International</i> , 2016, 2016, 1-14.	1.2	218
708	"Inflammaging" as a Druggable Target: A Senescence-Associated Secretory Phenotype-Centered View of Type 2 Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	93
709	ROS, Cell Senescence, and Novel Molecular Mechanisms in Aging and Age-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-18.	1.9	661
710	Cross Talk of Proteostasis and Mitostasis in Cellular Homeodynamics, Ageing, and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-24.	1.9	33
711	Epithelial magnesium transport by TRPM6 is essential for prenatal development and adult survival. <i>ELife</i> , 2016, 5, .	2.8	98
712	Current Evidence for Developmental, Structural, and Functional Brain Defects following Prenatal Radiation Exposure. <i>Neural Plasticity</i> , 2016, 2016, 1-17.	1.0	44

#	ARTICLE	IF	CITATIONS
713	SPRTN is a mammalian DNA-binding metalloprotease that resolves DNA-protein crosslinks. <i>ELife</i> , 2016, 5, .	2.8	123
714	Evidence for the hallmarks of human aging in replicatively aging yeast. <i>Microbial Cell</i> , 2016, 3, 263-274.	1.4	65
715	Six plant extracts delay yeast chronological aging through different signaling pathways. <i>Oncotarget</i> , 2016, 7, 50845-50863.	0.8	14
716	Discovery of plant extracts that greatly delay yeast chronological aging and have different effects on longevity-defining cellular processes. <i>Oncotarget</i> , 2016, 7, 16542-16566.	0.8	20
717	DNA Damage: A Main Determinant of Vascular Aging. <i>International Journal of Molecular Sciences</i> , 2016, 17, 748.	1.8	64
718	TGF- β 2 and NF- κ B signaling pathway crosstalk potentiates corneal epithelial senescence through an RNA stress response. <i>Aging</i> , 2016, 8, 2337-2354.	1.4	39
719	Mechanisms of Action of Curcumin on Aging. , 2016, , 491-511.		7
720	Prostate Cancer: Is It a Battle Lost to Age?. <i>Geriatrics (Switzerland)</i> , 2016, 1, 27.	0.6	11
721	Maintenance of age in human neurons generated by microRNA-based neuronal conversion of fibroblasts. <i>ELife</i> , 2016, 5, .	2.8	159
722	The Role of Autophagy, Mitophagy and Lysosomal Functions in Modulating Bioenergetics and Survival in the Context of Redox and Proteotoxic Damage: Implications for Neurodegenerative Diseases. , 2016, 7, 150.		75
723	Amniotic Epithelial Cells: A New Tool to Combat Aging and Age-Related Diseases?. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 135.	1.8	20
724	Vitamin C, Antioxidant Status, and Cardiovascular Aging. , 2016, , 609-619.		7
725	Role of lncRNAs in Cellular Aging. <i>Frontiers in Endocrinology</i> , 2016, 7, 151.	1.5	35
726	Simplified Assay for Epigenetic Age Estimation in Whole Blood of Adults. <i>Frontiers in Genetics</i> , 2016, 7, 126.	1.1	72
727	Exploring the Homeostatic and Sensory Roles of the Immune System. <i>Frontiers in Immunology</i> , 2016, 7, 125.	2.2	31
728	Supplementation with <i>Lactobacillus plantarum</i> WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging <i>Erccl1^{+/+}/I⁷</i> Mice. <i>Frontiers in Immunology</i> , 2016, 7, 408.	2.2	49
729	Editorial: Role of Stem Cells in Skeletal Muscle Development, Regeneration, Repair, Aging, and Disease. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 95.	1.7	3
730	Mechanosensory Neuron Aging: Differential Trajectories with Lifespan-Extending Alaskan Berry and Fungal Treatments in <i>Caenorhabditis elegans</i> . <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 173.	1.7	21

#	ARTICLE	IF	CITATIONS
731	Commentary: XBP-1 Is a Cell-Nonautonomous Regulator of Stress Resistance and Longevity. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 182.	1.7	5
732	Environmental Enrichment Modified Epigenetic Mechanisms in SAMP8 Mouse Hippocampus by Reducing Oxidative Stress and Inflammation and Achieving Neuroprotection. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 241.	1.7	68
733	Evidence of Tau Hyperphosphorylation and Dystrophic Microglia in the Common Marmoset. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 315.	1.7	55
734	Role of Telomerase in the Cardiovascular System. <i>Genes</i> , 2016, 7, 29.	1.0	26
735	EQ-5D-5L in the General German Population: Comparison and Evaluation of Three Yearly Cross-Section Surveys. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 343.	1.2	31
736	Connecting the Dots: From DNA Damage and Repair to Aging. <i>International Journal of Molecular Sciences</i> , 2016, 17, 685.	1.8	53
737	Extracellular Vesicles in Chronic Obstructive Pulmonary Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1801.	1.8	62
738	A Joint Less Ordinary: Intriguing Roles for Hedgehog Signalling in the Development of the Temporomandibular Synovial Joint. <i>Journal of Developmental Biology</i> , 2016, 4, 25.	0.9	8
739	Olive Oil and the Hallmarks of Aging. <i>Molecules</i> , 2016, 21, 163.	1.7	59
740	Phylloquinone and Menaquinone-4 Tissue Distribution at Different Life Stages in Male and Female Sprague-Dawley Rats Fed Different VK Levels Since Weaning or Subjected to a 40% Calorie Restriction since Adulthood. <i>Nutrients</i> , 2016, 8, 141.	1.7	14
741	Validation and comparison of instruments to identify frail patients in primary care settings: Study protocol. <i>BMC Health Services Research</i> , 2016, 16, 354.	0.9	11
742	Genes Related to Fatty Acid β -Oxidation Play a Role in the Functional Decline of the Drosophila Brain with Age. <i>PLoS ONE</i> , 2016, 11, e0161143.	1.1	9
743	Mtu1-Mediated Thiouridine Formation of Mitochondrial tRNAs Is Required for Mitochondrial Translation and Is Involved in Reversible Infantile Liver Injury. <i>PLoS Genetics</i> , 2016, 12, e1006355.	1.5	28
744	Excess of Yra1 RNA-Binding Factor Causes Transcription-Dependent Genome Instability, Replication Impairment and Telomere Shortening. <i>PLoS Genetics</i> , 2016, 12, e1005966.	1.5	21
745	Water-Transfer Slows Aging in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2016, 11, e0148650.	1.1	11
746	Method Specific Calibration Corrects for DNA Extraction Method Effects on Relative Telomere Length Measurements by Quantitative PCR. <i>PLoS ONE</i> , 2016, 11, e0164046.	1.1	30
747	Improving Mitochondrial Function Protects Bumblebees from Neonicotinoid Pesticides. <i>PLoS ONE</i> , 2016, 11, e0166531.	1.1	32
748	Physiological and Pathological Aging Affects Chromatin Dynamics, Structure and Function at the Nuclear Edge. <i>Frontiers in Genetics</i> , 2016, 7, 153.	1.1	28

#	ARTICLE	IF	CITATIONS
749	Mammalian Target of Rapamycin (mTOR), Aging, Neuroscience, and Their Association with Aging-Related Diseases. , 2016, , 185-203.		0
750	Cistanches Herba: A Neuropharmacology Review. <i>Frontiers in Pharmacology</i> , 2016, 7, 289.	1.6	48
751	Mitochondrial Quality Control and Muscle Mass Maintenance. <i>Frontiers in Physiology</i> , 2015, 6, 422.	1.3	290
752	Classification for Longevity Potential: The Use of Novel Biomarkers. <i>Frontiers in Public Health</i> , 2016, 4, 233.	1.3	8
753	Protective Effect of Ginsenoside Rg1 on Hematopoietic Stem/Progenitor Cells through Attenuating Oxidative Stress and the Wnt/ β -Catenin Signaling Pathway in a Mouse Model of d-Galactose-induced Aging. <i>International Journal of Molecular Sciences</i> , 2016, 17, 849.	1.8	61
754	XIAP-associating factor 1, a transcriptional target of BRD7, contributes to endothelial cell senescence. <i>Oncotarget</i> , 2016, 7, 5118-5130.	0.8	29
755	Amyloid β Protein Aggravates Neuronal Senescence and Cognitive Deficits in 5XFAD Mouse Model of Alzheimer's Disease. <i>Chinese Medical Journal</i> , 2016, 129, 1835-1844.	0.9	54
756	Interaction of Age at Diagnosis with Transcriptional Profiling in Papillary Thyroid Cancer. <i>World Journal of Surgery</i> , 2016, 40, 2922-2929.	0.8	17
757	Uncoupling protein 2 protects mice from aging. <i>Mitochondrion</i> , 2016, 30, 42-50.	1.6	17
758	The Hallmarks of Cancer from a Redox Perspective. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 300-325.	2.5	82
759	Advanced glycation end products and their receptor in age-related, non-communicable chronic inflammatory diseases; Overview of clinical evidence and potential contributions to disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 403-418.	1.2	86
760	TNF- α Inhibits FoxO1 by Upregulating miR-705 to Aggravate Oxidative Damage in Bone Marrow-Derived Mesenchymal Stem Cells during Osteoporosis. <i>Stem Cells</i> , 2016, 34, 1054-1067.	1.4	98
761	Pathways for salvage and protection of the heart under stress: novel routes for cardiac rejuvenation. <i>Cardiovascular Research</i> , 2016, 111, 142-153.	1.8	26
762	Nutrients and ageing. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 19-25.	1.3	14
763	Mitochondria and senescence: new actors for an old play. <i>EMBO Journal</i> , 2016, 35, 701-702.	3.5	27
764	DNA-methylation changes in replicative senescence and aging: two sides of the same coin?. <i>Epigenomics</i> , 2016, 8, 1-3.	1.0	11
765	<scp>GAMDB</scp>: a web resource to connect microRNAs with autophagy in gerontology. <i>Cell Proliferation</i> , 2016, 49, 246-251.	2.4	10
766	Evolutionary ecology of aging: time to reconcile field and laboratory research. <i>Ecology and Evolution</i> , 2016, 6, 2988-3000.	0.8	20

#	ARTICLE	IF	CITATIONS
767	Adipaging™: ageing and obesity share biological hallmarks related to a dysfunctional adipose tissue. <i>Journal of Physiology</i> , 2016, 594, 3187-3207.	1.3	136
768	Skeletal inflammation and attenuation of Wnt signaling, Wnt ligand expression, and bone formation in atherosclerotic ApoE-null mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E762-E773.	1.8	28
769	The pathophysiology of defective proteostasis in the hypothalamus from obesity to ageing. <i>Nature Reviews Endocrinology</i> , 2016, 12, 723-733.	4.3	74
770	Age-dependent modulation of fasting and long-term dietary restriction on acetylcholinesterase in non-neuronal tissues of mice. <i>Molecular and Cellular Biochemistry</i> , 2016, 419, 135-145.	1.4	1
771	Andrographolide recovers cognitive impairment in a natural model of Alzheimer's disease (Octodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	68
772	Impaired DNA double-strand break repair contributes to the age-associated rise of genomic instability in humans. <i>Cell Death and Differentiation</i> , 2016, 23, 1765-1777.	5.0	71
773	Molecular mechanisms of biological aging in intervertebral discs. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1289-1306.	1.2	270
774	Mitochondrial and nuclear DNA matching shapes metabolism and healthy ageing. <i>Nature</i> , 2016, 535, 561-565.	13.7	333
775	miR-186 is decreased in aged brain and suppresses BACE1 expression. <i>Journal of Neurochemistry</i> , 2016, 137, 436-445.	2.1	78
776	Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. <i>Journal of Physiology</i> , 2016, 594, 1989-1999.	1.3	67
777	Ageing, metabolism and cardiovascular disease. <i>Journal of Physiology</i> , 2016, 594, 2061-2073.	1.3	311
778	Ageing induced vascular smooth muscle cell senescence in atherosclerosis. <i>Journal of Physiology</i> , 2016, 594, 2115-2124.	1.3	115
779	Reverse geroscience: how does exposure to early diseases accelerate the age-related decline in health?. <i>Annals of the New York Academy of Sciences</i> , 2016, 1386, 30-44.	1.8	24
780	A role for Mfb1p in region-specific anchorage of high-functioning mitochondria and lifespan in <i>Saccharomyces cerevisiae</i> . <i>Nature Communications</i> , 2016, 7, 10595.	5.8	46
781	Gerontology versus Geriatrics: Different Ways of Understanding Ageing and Old Age. , 2016, , 31-48.		3
782	Ageing in the musculoskeletal system. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 87, 15-25.	1.2	82
783	Novel LMNA mutations cause an aggressive atypical neonatal progeria without progerin accumulation. <i>Journal of Medical Genetics</i> , 2016, 53, 776-785.	1.5	17
784	Forkhead-box A1 induces cell senescence in endometrial cancer by regulating p16INK4a. <i>Oncology Reports</i> , 2016, 36, 795-802.	1.2	3

#	ARTICLE	IF	CITATIONS
785	Altered brain energetics induces mitochondrial fission arrest in Alzheimer's Disease. <i>Scientific Reports</i> , 2016, 6, 18725.	1.6	146
786	Changes in Frailty Predict Changes in Cognition in Older Men: The Honolulu-Asia Aging Study. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 1003-1013.	1.2	44
787	Is Chronic Obstructive Pulmonary Disease an Accelerated Aging Disease?. <i>Annals of the American Thoracic Society</i> , 2016, 13, S429-S437.	1.5	89
788	Life span extension by targeting a link between metabolism and histone acetylation in <i>Drosophila</i> . <i>EMBO Reports</i> , 2016, 17, 455-469.	2.0	116
789	Defective DNA single-strand break repair is responsible for senescence and neoplastic escape of epithelial cells. <i>Nature Communications</i> , 2016, 7, 10399.	5.8	92
790	Uncovering the mechanisms of <i>Caenorhabditis elegans</i> ageing from global quantification of the underlying landscape. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160421.	1.5	11
791	Lung Fibroblasts, Aging, and Idiopathic Pulmonary Fibrosis. <i>Annals of the American Thoracic Society</i> , 2016, 13, S417-S421.	1.5	148
792	Mammalian Target of Rapamycin: A Target for (Lung) Diseases and Aging. <i>Annals of the American Thoracic Society</i> , 2016, 13, S398-S401.	1.5	15
793	Cellular Senescence and Lung Function during Aging. Yin and Yang. <i>Annals of the American Thoracic Society</i> , 2016, 13, S402-S406.	1.5	60
794	WNT Signaling in Lung Aging and Disease. <i>Annals of the American Thoracic Society</i> , 2016, 13, S411-S416.	1.5	50
795	A Hidden Epithelial Barrier in the Brain with a Central Role in Regulating Brain Homeostasis. Implications for Aging. <i>Annals of the American Thoracic Society</i> , 2016, 13, S407-S410.	1.5	22
796	Contextual adversity, telomere erosion, pubertal development, and health: Two models of accelerated aging, or one?. <i>Development and Psychopathology</i> , 2016, 28, 1367-1383.	1.4	48
797	Modifiable Factors Influencing Telomere Length and Aging. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 67-80.	0.4	5
798	Exosomes in the Preservation of Cellular Homeostasis. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 17-45.	0.4	0
799	Longer telomeres in chronic, moderate, unconjugated hyperbilirubinaemia: insights from a human study on Gilbert's Syndrome. <i>Scientific Reports</i> , 2016, 6, 22300.	1.6	19
800	SIRT7 promotes genome integrity and modulates non-homologous end joining DNA repair. <i>EMBO Journal</i> , 2016, 35, 1488-1503.	3.5	211
801	In Vivo Amelioration of Age-Associated Hallmarks by Partial Reprogramming. <i>Cell</i> , 2016, 167, 1719-1733.e12.	13.5	609
802	Epigenomics-Based Identification of Major Cell Identity Regulators within Heterogeneous Cell Populations. <i>Cell Reports</i> , 2016, 17, 3062-3076.	2.9	29

#	ARTICLE	IF	CITATIONS
803	Disease drivers of aging. <i>Annals of the New York Academy of Sciences</i> , 2016, 1386, 45-68.	1.8	97
804	Inflammation, Aging, and Oxidative Stress. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , .	0.4	9
805	Variation of global DNA methylation levels with age and in autistic children. <i>Human Genomics</i> , 2016, 10, 31.	1.4	21
806	Non-Thermal Atmospheric Pressure Plasma Efficiently Promotes the Proliferation of Adipose Tissue-Derived Stem Cells by Activating NO-Response Pathways. <i>Scientific Reports</i> , 2016, 6, 39298.	1.6	38
807	Sirtuins and Aging. , 2016, , 213-227.		2
808	Senescence: novel insight into DLX3 mutations leading to enhanced bone formation in Tricho-Dento-Osseous syndrome. <i>Scientific Reports</i> , 2016, 6, 38680.	1.6	12
809	Nutrition, Epigenetics and Aging. , 2016, , 103-131.		2
810	The NAD World 2.0: the importance of the inter-tissue communication mediated by NAMPT/NAD+/SIRT1 in mammalian aging and longevity control. <i>Npj Systems Biology and Applications</i> , 2016, 2, 16018.	1.4	66
811	Regulation of Stem Cells in Their Niche. <i>Current Stem Cell Reports</i> , 2016, 2, 282-289.	0.7	1
812	Cancer in the elderly. , 2016, , 537-563.		0
813	Crosstalk between cellular compartments protects against proteotoxicity and extends lifespan. <i>Scientific Reports</i> , 2016, 6, 28751.	1.6	25
814	Yeast longevity promoted by reversing aging-associated decline in heavy isotope content. <i>Npj Aging and Mechanisms of Disease</i> , 2016, 2, 16004.	4.5	23
815	Gene expression signatures of human cell and tissue longevity. <i>Npj Aging and Mechanisms of Disease</i> , 2016, 2, 16014.	4.5	40
816	What We Know About the Pathogenesis of Idiopathic Pulmonary Fibrosis. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2016, 37, 358-367.	0.8	32
817	Genetics and Idiopathic Interstitial Pneumonias. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2016, 37, 321-330.	0.8	5
818	Protein damage, radiation sensitivity and aging. <i>DNA Repair</i> , 2016, 44, 186-192.	1.3	56
819	Keeping the senescence secretome under control: Molecular reins on the senescence-associated secretory phenotype. <i>Experimental Gerontology</i> , 2016, 82, 39-49.	1.2	186
820	The association of serum cathepsin B concentration with age-related cardiovascular-renal subclinical state in a healthy Chinese population. <i>Archives of Gerontology and Geriatrics</i> , 2016, 65, 146-155.	1.4	13

#	ARTICLE	IF	CITATIONS
821	Anti-Aging Effect of <i>Siraitia grosvenorii</i> by Enhancement of Hematopoietic Stem Cell Function. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 803-815.	1.5	7
822	DNA Damage Response in Hematopoietic Stem Cell Ageing. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 147-154.	3.0	36
823	Proteostasis alterations in myeloproliferative neoplasms: Oncogenic relevance and therapeutic opportunities. <i>Experimental Hematology</i> , 2016, 44, 574-577.	0.2	3
824	Hematopoiesis during development, aging, and disease. <i>Experimental Hematology</i> , 2016, 44, 689-695.	0.2	8
825	Common SIRT1 variants modify the effect of abdominal adipose tissue on aging-related lung function decline. <i>Age</i> , 2016, 38, 52.	3.0	11
826	Critical role of lysosomes in the dysfunction of human Cardiac Stem Cells obtained from failing hearts. <i>International Journal of Cardiology</i> , 2016, 216, 140-150.	0.8	16
827	Erythrocyte encapsulated <i>Asparaginase</i> (GRASPA) in acute leukemia. <i>International Journal of Hematologic Oncology</i> , 2016, 5, 11-25.	0.7	20
828	The Effect of Aging on Mitochondrial Complex I and the Extent of Oxidative Stress in the Rat Brain Cortex. <i>Neurochemical Research</i> , 2016, 41, 2160-2172.	1.6	27
829	Screening for Frailty in Canada's Health Care System: A Time for Action. <i>Canadian Journal on Aging</i> , 2016, 35, 281-297.	0.6	94
830	Ageing and the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2016, 12, 412-420.	3.5	745
831	MOTS-c: A novel mitochondrial-derived peptide regulating muscle and fat metabolism. <i>Free Radical Biology and Medicine</i> , 2016, 100, 182-187.	1.3	128
832	The germline/soma dichotomy: implications for aging and degenerative disease. <i>Regenerative Medicine</i> , 2016, 11, 331-334.	0.8	2
833	Changes in <i>Drosophila</i> mitochondrial proteins following chaperone-mediated lifespan extension confirm a role of Hsp22 in mitochondrial UPR and reveal a mitochondrial localization for cathepsin D. <i>Mechanisms of Ageing and Development</i> , 2016, 155, 36-47.	2.2	16
834	Species-specific lifespans: Can it be a lottery based on the mode of mitochondrial DNA replication?. <i>Mechanisms of Ageing and Development</i> , 2016, 155, 1-6.	2.2	4
835	The Mitochondrial Basis of Aging. <i>Molecular Cell</i> , 2016, 61, 654-666.	4.5	1,011
836	Metabolism and the UPR mt. <i>Molecular Cell</i> , 2016, 61, 677-682.	4.5	103
837	A short leucocyte telomere length is associated with development of insulin resistance. <i>Diabetologia</i> , 2016, 59, 1258-1265.	2.9	77
838	Age-related changes in AMPK activation: Role for AMPK phosphatases and inhibitory phosphorylation by upstream signaling pathways. <i>Ageing Research Reviews</i> , 2016, 28, 15-26.	5.0	144

#	ARTICLE	IF	CITATIONS
839	Long Non-coding RNAs in Human Disease. <i>Current Topics in Microbiology and Immunology</i> , 2016, , .	0.7	4
840	Mitochondrial generation of superoxide and hydrogen peroxide as the source of mitochondrial redox signaling. <i>Free Radical Biology and Medicine</i> , 2016, 100, 14-31.	1.3	753
841	Mechanisms of mitophagy: putting the powerhouse into the doghouse. <i>Biological Chemistry</i> , 2016, 397, 617-635.	1.2	8
842	Mitochondrial ROS Produced via Reverse Electron Transport Extend Animal Lifespan. <i>Cell Metabolism</i> , 2016, 23, 725-734.	7.2	296
843	Systematic correlation of environmental exposure and physiological and self-reported behaviour factors with leukocyte telomere length. <i>International Journal of Epidemiology</i> , 2017, 46, dyw043.	0.9	54
844	A frailty index based on laboratory deficits in community-dwelling men predicted their risk of adverse health outcomes. <i>Age and Ageing</i> , 2016, 45, 463-468.	0.7	90
845	The Role of Vitamin K in Chronic Aging Diseases: Inflammation, Cardiovascular Disease, and Osteoarthritis. <i>Current Nutrition Reports</i> , 2016, 5, 90-98.	2.1	69
846	Calorie restriction as an intervention in ageing. <i>Journal of Physiology</i> , 2016, 594, 2043-2060.	1.3	212
847	Behaviour and cognitive changes correlated with hippocampal neuroinflammation and neuronal markers in female SAMP8, a model of accelerated senescence. <i>Experimental Gerontology</i> , 2016, 80, 57-69.	1.2	57
848	Interventions for Human Frailty: Physical Activity as a Model. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a025916.	2.9	77
849	Autophagy at the Cell, Tissue and Organismal Level. , 2016, , .		3
850	Physiological Role of Autophagy and Implications in Disease. , 2016, , 51-80.		0
851	Two Conserved Histone Demethylases Regulate Mitochondrial Stress-Induced Longevity. <i>Cell</i> , 2016, 165, 1209-1223.	18.5	279
852	NAD ⁺ repletion improves mitochondrial and stem cell function and enhances life span in mice. <i>Science</i> , 2016, 352, 1436-1443.	6.0	907
853	Age-Dependent Pancreatic Gene Regulation Reveals Mechanisms Governing Human β Cell Function. <i>Cell Metabolism</i> , 2016, 23, 909-920.	7.2	205
854	Dietary Protein, Metabolism, and Aging. <i>Annual Review of Biochemistry</i> , 2016, 85, 5-34.	5.0	122
855	Lysosomal cathepsins and their regulation in aging and neurodegeneration. <i>Ageing Research Reviews</i> , 2016, 32, 22-37.	5.0	280
856	Suppression of REDD1 in osteoarthritis cartilage, a novel mechanism for dysregulated mTOR signaling and defective autophagy. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1639-1647.	0.6	42

#	ARTICLE	IF	CITATIONS
857	The effect of aging on brain barriers and the consequences for Alzheimer's disease development. <i>Mammalian Genome</i> , 2016, 27, 407-420.	1.0	43
858	Current advances in the functional studies of fatty acids and fatty acid-derived lipids in <i>C. elegans</i> . <i>Worm</i> , 2016, 5, e1184814.	1.0	4
859	Reflections on the role of senescence during development and aging. <i>Archives of Biochemistry and Biophysics</i> , 2016, 598, 40-49.	1.4	15
860	Cellular Senescence and Vascular Disease: Novel Routes to Better Understanding and Therapy. <i>Canadian Journal of Cardiology</i> , 2016, 32, 612-623.	0.8	71
861	Mammalian telomeres and their partnership with lamins. <i>Nucleus</i> , 2016, 7, 187-202.	0.6	45
862	Frailty in Pulmonary and Critical Care Medicine. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1394-1404.	1.5	67
863	Ursolic acid regulates aging process through enhancing of metabolic sensor proteins level. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 8-14.	2.5	19
864	Pharmacological Strategies to Retard Cardiovascular Aging. <i>Circulation Research</i> , 2016, 118, 1626-1642.	2.0	64
865	Cellular Ageing and Replicative Senescence. <i>Healthy Ageing and Longevity</i> , 2016, , .	0.2	10
866	Targeting Senescent Cells to Improve Human Health. <i>Healthy Ageing and Longevity</i> , 2016, , 313-343.	0.2	0
867	Human Neural Stem Cell Aging Is Counteracted by β -Glycerylphosphorylethanolamine. <i>ACS Chemical Neuroscience</i> , 2016, 7, 952-963.	1.7	19
868	Chromothripsis and epigenomics complete causality criteria for cannabis- and addiction-connected carcinogenicity, congenital toxicity and heritable genotoxicity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 789, 15-25.	0.4	52
869	Telomere Shortening in Middle-Aged Men with Sleep-disordered Breathing. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1136-1143.	1.5	25
870	Child Poverty and the Promise of Human Capacity: Childhood as a Foundation for Healthy Aging. <i>Academic Pediatrics</i> , 2016, 16, S37-S45.	1.0	42
871	Biochemical Basis of Sestrin Physiological Activities. <i>Trends in Biochemical Sciences</i> , 2016, 41, 621-632.	3.7	90
872	UPS Activation in the Battle Against Aging and Aggregation-Related Diseases: An Extended Review. <i>Methods in Molecular Biology</i> , 2016, 1449, 1-70.	0.4	18
873	Strategies and Challenges in Clinical Trials Targeting Human Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1424-1434.	1.7	111
874	A genetic interaction between RAP1 and telomerase reveals an unanticipated role for RAP1 in telomere maintenance. <i>Aging Cell</i> , 2016, 15, 1113-1125.	3.0	39

#	ARTICLE	IF	CITATIONS
875	Epigenetic Responses to Diet in Aging. , 2016, , 213-226.		1
876	Moving Geroscience Into Uncharted Waters: Table 1.. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1385-1387.	1.7	24
877	Systematic analysis of the gerontome reveals links between aging and age-related diseases. Human Molecular Genetics, 2016, 25, ddw307.	1.4	74
878	Aging of the immune system: Focus on inflammation and vaccination. European Journal of Immunology, 2016, 46, 2286-2301.	1.6	329
879	Prevention of Chronic Conditions and Cancer. , 2016, , 203-239.		0
880	Emerging role of metabolic signaling in synovial joint remodeling and osteoarthritis. Journal of Orthopaedic Research, 2016, 34, 2048-2058.	1.2	69
881	NADPH oxidases: key modulators in aging and age-related cardiovascular diseases?. Clinical Science, 2016, 130, 317-335.	1.8	123
882	Cofactor deficiency in mitochondrial diseases. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e97.	0.5	0
883	The Evolution of Lifespan and Age-Dependent Cancer Risk. Trends in Cancer, 2016, 2, 552-560.	3.8	83
884	Flavin-sensitive variant FAD synthases underlying riboflavin responsive Multiple Acyl-CoA Dehydrogenation Deficiency. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e97.	0.5	0
885	Redox mechanisms in age-related lung fibrosis. Redox Biology, 2016, 9, 67-76.	3.9	71
886	Microfluidic Platforms for Yeast-Based Aging Studies. Small, 2016, 12, 5787-5801.	5.2	14
887	Optical monitoring of retinal respiration in real time: 670Ånm light increases the redox state of mitochondria. Experimental Eye Research, 2016, 152, 88-93.	1.2	20
888	Age-related accrual of methylomic variability is linked to fundamental ageing mechanisms. Genome Biology, 2016, 17, 191.	3.8	120
889	Glutathione maintenance mitigates age-related susceptibility to redox cycling agents. Redox Biology, 2016, 10, 45-52.	3.9	18
890	The Chromatin Landscape of Cellular Senescence. Trends in Genetics, 2016, 32, 751-761.	2.9	103
891	Interventions for age-related diseases: Shifting the paradigm. Mechanisms of Ageing and Development, 2016, 160, 69-92.	2.2	57
892	Mitochondrial form, function and signalling in aging. Biochemical Journal, 2016, 473, 3421-3449.	1.7	30

#	ARTICLE	IF	CITATIONS
893	Living Long and Well: Prospects for a Personalized Approach to the Medicine of Ageing. <i>Gerontology</i> , 2016, 62, 409-416.	1.4	11
894	Understanding Long-Term Outcomes Following Sepsis: Implications and Challenges. <i>Current Infectious Disease Reports</i> , 2016, 18, 37.	1.3	124
896	Genomic Instability and Aging. , 2016, , 511-525.		3
897	Glial Cells in Health and Disease of the CNS. <i>Advances in Experimental Medicine and Biology</i> , 2016, , .	0.8	9
898	Age-Dependent Changes in the Activation and Regulation of Microglia. <i>Advances in Experimental Medicine and Biology</i> , 2016, 949, 205-226.	0.8	45
899	Accelerated Accumulation of Multimorbidity After Bilateral Oophorectomy: A Population-Based Cohort Study. <i>Mayo Clinic Proceedings</i> , 2016, 91, 1577-1589.	1.4	169
900	Human blood cell levels of 5-hydroxymethylcytosine (5hmC) decline with age, partly related to acquired mutations in TET2. <i>Experimental Hematology</i> , 2016, 44, 1072-1084.	0.2	40
901	On the interplay between chronic pain and age with regard to neurocognitive integrity: Two interacting conditions?. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 69, 174-192.	2.9	5
902	rs2802292 polymorphism in the FOXO3A gene and exceptional longevity in two ethnically distinct cohorts. <i>Maturitas</i> , 2016, 92, 110-114.	1.0	2
903	Optimization of Reference Genes for Normalization of Reverse Transcription Quantitative Real-Time Polymerase Chain Reaction Results in Senescence Study of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2016, 25, 1355-1365.	1.1	19
904	The aging population: demographics and the biology of aging. <i>Periodontology 2000</i> , 2016, 72, 13-18.	6.3	257
905	The aging mouth: differentiating normal aging from disease. <i>Periodontology 2000</i> , 2016, 72, 96-107.	6.3	131
906	Aging, inflammation, immunity and periodontal disease. <i>Periodontology 2000</i> , 2016, 72, 54-75.	6.3	161
907	Metabolic Control of Longevity. <i>Cell</i> , 2016, 166, 802-821.	13.5	591
908	The insulin-like growth factor I receptor regulates glucose transport by astrocytes. <i>Glia</i> , 2016, 64, 1962-1971.	2.5	50
909	Mitochondria and oxidative stress in heart aging. <i>Age</i> , 2016, 38, 225-238.	3.0	124
910	Deciphering hallmark processes of aging from interaction networks. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2706-2715.	1.1	11
911	Molecular and biological hallmarks of ageing. <i>British Journal of Surgery</i> , 2016, 103, e29-e46.	0.1	202

#	ARTICLE	IF	CITATIONS
912	Improvement of skeletal muscle performance in ageing by the metabolic modulator Trimetazidine. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 449-457.	2.9	44
913	Cellular senescence and autophagy in the pathogenesis of chronic obstructive pulmonary disease (COPD) and idiopathic pulmonary fibrosis (IPF). <i>Respiratory Investigation</i> , 2016, 54, 397-406.	0.9	113
914	Effects and mechanisms of longevity induced by <i>Lactobacillus gasseri</i> SBT2055 in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2016, 15, 227-236.	3.0	112
915	Characterization of the direct targets of FOXO transcription factors throughout evolution. <i>Aging Cell</i> , 2016, 15, 673-685.	3.0	177
916	Microglia communication: Parallels between aging and Alzheimer's disease. <i>Clinical and Experimental Neuroimmunology</i> , 2016, 7, 114-125.	0.5	60
917	The implications of small stem cell niche sizes and the distribution of fitness effects of new mutations in aging and tumorigenesis. <i>Evolutionary Applications</i> , 2016, 9, 565-582.	1.5	16
918	SNEV P rp19/ PSO 4 deficiency increases PUVA induced senescence in mouse skin. <i>Experimental Dermatology</i> , 2016, 25, 212-217.	1.4	6
919	Secreted growth differentiation factor-15 as a potential biomarker for mitochondrial dysfunctions in aging and age-related disorders. <i>Geriatrics and Gerontology International</i> , 2016, 16, 17-29.	0.7	145
920	Pax8 plays a pivotal role in regulation of cardiomyocyte growth and senescence. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 644-654.	1.6	12
921	BTK Modulates p53 Activity to Enhance Apoptotic and Senescent Responses. <i>Cancer Research</i> , 2016, 76, 5405-5414.	0.4	50
922	Using measures of single-cell physiology and physiological state to understand organismic aging. <i>Aging Cell</i> , 2016, 15, 4-13.	3.0	10
923	Dietary fat composition influences glomerular and proximal convoluted tubule cell structure and autophagic processes in kidneys from calorie-restricted mice. <i>Aging Cell</i> , 2016, 15, 477-487.	3.0	23
924	Developing criteria for evaluation of geroprotectors as a key stage toward translation to the clinic. <i>Aging Cell</i> , 2016, 15, 407-415.	3.0	97
925	Acute systemic DNA damage in youth does not impair immune defense with aging. <i>Aging Cell</i> , 2016, 15, 686-693.	3.0	10
926	Increased levels of hyper-stable protein aggregates in plasma of older adults. <i>Age</i> , 2016, 38, 56.	3.0	15
927	Restoring Pharmacologic Preconditioning in the Aging Heart: Role of Mitophagy/Autophagy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw168.	1.7	17
928	mTORC1 activation decreases autophagy in aging and idiopathic pulmonary fibrosis and contributes to apoptosis resistance in IPF fibroblasts. <i>Aging Cell</i> , 2016, 15, 1103-1112.	3.0	140
929	Influence of Ageing on Tendon Homeostasis. <i>Advances in Experimental Medicine and Biology</i> , 2016, 920, 247-260.	0.8	28

#	ARTICLE	IF	CITATIONS
930	Nontranscriptional Function of FOXO1/DAF-16 Contributes to Translesion DNA Synthesis. <i>Molecular and Cellular Biology</i> , 2016, 36, 2755-2766.	1.1	7
931	DNA methylation and mRNA expression of developmentally important genes in bovine oocytes collected from donors of different age categories. <i>Molecular Reproduction and Development</i> , 2016, 83, 802-814.	1.0	6
932	Aging increases the susceptibility of hepatic inflammation, liver fibrosis and aging in response to high-fat diet in mice. <i>Age</i> , 2016, 38, 291-302.	3.0	63
933	Do DNA Double-Strand Breaks Drive Aging?. <i>Molecular Cell</i> , 2016, 63, 729-738.	4.5	172
934	Selective disappearance of individuals with high levels of glycated haemoglobin in a free-living bird. <i>Biology Letters</i> , 2016, 12, 20160243.	1.0	9
935	p53 and the Carcinogenicity of Chronic Inflammation. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a026161.	2.9	79
936	Associations between long-term serum platinum and neurotoxicity and ototoxicity, endocrine gonadal function, and cardiovascular disease in testicular cancer survivors. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2016, 34, 487.e13-487.e20.	0.8	16
937	An update on the pathophysiology of osteoarthritis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2016, 59, 333-339.	1.1	247
938	The reverse control of irreversible biological processes. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016, 8, 366-377.	6.6	26
939	Restricted diet delays accelerated ageing and genomic stress in DNA-repair-deficient mice. <i>Nature</i> , 2016, 537, 427-431.	13.7	228
940	Can heavy isotopes increase lifespan? Studies of relative abundance in various organisms reveal chemical perspectives on aging. <i>BioEssays</i> , 2016, 38, 1093-1101.	1.2	12
941	Are aberrant phase transitions a driver of cellular aging?. <i>BioEssays</i> , 2016, 38, 959-968.	1.2	234
942	Missing heritability of complex diseases: Enlightenment by genetic variants from intermediate phenotypes. <i>BioEssays</i> , 2016, 38, 664-673.	1.2	52
943	Slowing ageing by design: the rise of NAD ⁺ and sirtuin-activating compounds. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 679-690.	16.1	583
944	Microglia: Senescence Impairs Clearance of Myelin Debris. <i>Current Biology</i> , 2016, 26, R772-R775.	1.8	34
945	SIRT6 Overexpression Improves Various Aspects of Mouse Healthspan. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw152.	1.7	32
946	Growth differentiation factor 11 (<sc>GDF</sc>11) â€œ a promising antiâ€œageing factor â€œ is highly concentrated in platelets. <i>Vox Sanguinis</i> , 2016, 111, 434-436.	0.7	28
947	TNFA gene variants related to the inflammatory status and its association with cellular aging: From the CORDIOPREV study. <i>Experimental Gerontology</i> , 2016, 83, 56-62.	1.2	11

#	ARTICLE	IF	CITATIONS
948	Longitudinal imaging of the ageing mouse. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 93-116.	2.2	47
949	Menopause: Genome stability as new paradigm. <i>Maturitas</i> , 2016, 92, 15-23.	1.0	57
950	Age-Related Changes in Locomotor Performance Reveal a Similar Pattern for <i>Caenorhabditis elegans</i> , <i>Mus domesticus</i> , <i>Canis familiaris</i> , <i>Equus caballus</i> , and <i>Homo sapiens</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw136.	1.7	26
951	Autophagy Networks in Inflammation. , 2016, , .		3
952	Metabolic Influences on Risk for Tendon Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2016, , .	0.8	16
953	Age-related epigenetic drift and phenotypic plasticity loss: implications in prevention of age-related human diseases. <i>Epigenomics</i> , 2016, 8, 1637-1651.	1.0	52
954	Proteome-wide alterations on adipose tissue from obese patients as age-, diabetes- and gender-specific hallmarks. <i>Scientific Reports</i> , 2016, 6, 25756.	1.6	61
955	Combined associations of body weight and lifestyle factors with all cause and cause specific mortality in men and women: prospective cohort study. <i>BMJ, The</i> , 2016, 355, i5855.	3.0	89
956	Therapeutic Manipulation of Ageing: Repurposing Old Dogs and Discovering New Tricks. <i>EBioMedicine</i> , 2016, 14, 24-31.	2.7	15
957	Somatic increase of CCT8 mimics proteostasis of human pluripotent stem cells and extends <i>C. elegans</i> lifespan. <i>Nature Communications</i> , 2016, 7, 13649.	5.8	81
958	Agonist-stimulated phosphatidylinositol-3,4,5-trisphosphate generation by scaffolded phosphoinositide kinases. <i>Nature Cell Biology</i> , 2016, 18, 1324-1335.	4.6	109
959	Tissue damage and senescence provide critical signals for cellular reprogramming in vivo. <i>Science</i> , 2016, 354, .	6.0	466
960	AUTEN-67 (Autophagy Enhancer-67) Hampers the Progression of Neurodegenerative Symptoms in a <i>Drosophila</i> model of Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2016, 5, 133-147.	0.9	39
961	Changes in the Lethality of Frailty Over 30 Years: Evidence From Two Cohorts of 70-Year-Olds in Gothenburg Sweden. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw160.	1.7	17
962	Enhancer Remodeling During Early Mammalian Embryogenesis: Lessons for Somatic Reprogramming, Rejuvenation, and Aging. <i>Current Stem Cell Reports</i> , 2016, 2, 263-272.	0.7	0
963	Proteome-wide Changes in Protein Turnover Rates in <i>C.Âelegans</i> Models of Longevity and Age-Related Disease. <i>Cell Reports</i> , 2016, 16, 3041-3051.	2.9	54
964	Role of Mitochondrial Complex IV in Age-Dependent Obesity. <i>Cell Reports</i> , 2016, 16, 2991-3002.	2.9	65
965	Epigallocatechin-3-gallate prevents oxidative stress-induced cellular senescence in human mesenchymal stem cells via Nrf2. <i>International Journal of Molecular Medicine</i> , 2016, 38, 1075-1082.	1.8	54

#	ARTICLE	IF	CITATIONS
966	A comprehensive approach to the molecular determinants of lifespan using a Boolean model of geroconversion. <i>Aging Cell</i> , 2016, 15, 1018-1026.	3.0	16
967	Early injury of the neonatal lung contributes to premature lung aging: a hypothesis. <i>Molecular and Cellular Pediatrics</i> , 2016, 3, 24.	1.0	18
968	Potential therapeutic effects of the mTOR inhibitors for preventing ageing and progeria-related disorders. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 1229-1244.	1.1	47
969	Shared Biologic Pathways Between Alzheimer Disease and Major Depression: A Systematic Review of MicroRNA Expression Studies. <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, 903-912.	0.6	55
970	Ageing: progressive decline in fitness due to the rising deleteriome adjusted by genetic, environmental, and stochastic processes. <i>Aging Cell</i> , 2016, 15, 594-602.	3.0	176
971	<i>Nothobranchius furzeri</i> : A Model for Aging Research and More. <i>Trends in Genetics</i> , 2016, 32, 543-552.	2.9	72
972	Dynamical network model for age-related health deficits and mortality. <i>Physical Review E</i> , 2016, 93, 022309.	0.8	33
973	Role of Sirtuins in Maintenance of Genomic Stability: Relevance to Cancer and Healthy Aging. <i>DNA and Cell Biology</i> , 2016, 35, 542-575.	0.9	25
974	Age-driven developmental drift in the pathogenesis of idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2016, 48, 538-552.	3.1	96
975	Editorial overview: Social insects: aging and the re-shaping of the fecundity/longevity trade-off with sociality. <i>Current Opinion in Insect Science</i> , 2016, 16, vii-x.	2.2	27
976	Ultra-weak photon emission of hands in aging prediction. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 529-534.	1.7	20
977	Hallmarks of progeroid syndromes: lessons from mice and reprogrammed cells. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 719-735.	1.2	117
978	The Proteasome and Oxidative Stress in Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 886-901.	2.5	74
979	Anti-Aging Strategies Based on Cellular Reprogramming. <i>Trends in Molecular Medicine</i> , 2016, 22, 725-738.	3.5	63
980	Absence of genomic hypomethylation or regulation of cytosine-modifying enzymes with aging in male and female mice. <i>Epigenetics and Chromatin</i> , 2016, 9, 30.	1.8	45
981	A diphenyl diselenide-supplemented diet and swimming exercise promote neuroprotection, reduced cell apoptosis and glial cell activation in the hypothalamus of old rats. <i>Experimental Gerontology</i> , 2016, 82, 1-7.	1.2	21
982	Metabolic regulation of stem cell function in tissue homeostasis and organismal ageing. <i>Nature Cell Biology</i> , 2016, 18, 823-832.	4.6	238
984	Epigenetic Modifications upon Senescence of Mesenchymal Stem Cells. <i>Current Stem Cell Reports</i> , 2016, 2, 248-254.	0.7	5

#	ARTICLE	IF	CITATIONS
985	Deficient Activity of the Nuclease MRE11A Induces T Cell Aging and Promotes Arthritogenic Effector Functions in Patients with Rheumatoid Arthritis. <i>Immunity</i> , 2016, 45, 903-916.	6.6	88
986	Discover the network mechanisms underlying the connections between aging and age-related diseases. <i>Scientific Reports</i> , 2016, 6, 32566.	1.6	40
987	Impaired Epidermal to Dendritic T Cell Signaling Slows Wound Repair in Aged Skin. <i>Cell</i> , 2016, 167, 1323-1338.e14.	13.5	187
988	Sirtuins. , 2016, , .		0
989	Quantitative proteomic analysis of age-related subventricular zone proteins associated with neurodegenerative disease. <i>Scientific Reports</i> , 2016, 6, 37443.	1.6	19
991	Ageing, neurodegeneration and brain rejuvenation. <i>Nature</i> , 2016, 539, 180-186.	13.7	787
992	Absence of Non-histone Protein Complexes at Natural Chromosomal Pause Sites Results in Reduced Replication Pausing in Aging Yeast Cells. <i>Cell Reports</i> , 2016, 17, 1747-1754.	2.9	8
993	Biomarkers of skin aging. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2016, 17, 433-442.	2.6	36
994	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801
995	Senescence Associated Heterochromatic Foci: SAHF. , 2016, , 205-218.		3
996	Epigenetics and aging. <i>Science Advances</i> , 2016, 2, e1600584.	4.7	568
997	Commentary: Life course epidemiology embraces geroscience. <i>International Journal of Epidemiology</i> , 2016, 45, 1015-1019.	0.9	6
998	Replication-Independent Histone Variant H3.3 Controls Animal Lifespan through the Regulation of Pro-longevity Transcriptional Programs. <i>Cell Reports</i> , 2016, 17, 987-996.	2.9	56
999	Influence of DNA extraction methods on relative telomere length measurements and its impact on epidemiological studies. <i>Scientific Reports</i> , 2016, 6, 25398.	1.6	42
1000	HIV and aging. <i>International Journal of Infectious Diseases</i> , 2016, 53, 61-68.	1.5	199
1001	The Utility of Preoperative Frailty Assessment. <i>Current Surgery Reports</i> , 2016, 4, 1.	0.4	1
1002	Characterization of mammary epithelial stem/progenitor cells and their changes with aging in common marmosets. <i>Scientific Reports</i> , 2016, 6, 32190.	1.6	18
1003	AMP-activated Protein Kinase. <i>Exs</i> , 2016, , .	1.4	10

#	ARTICLE	IF	CITATIONS
1004	AMPK as a Pro-longevity Target. <i>Exs</i> , 2016, 107, 227-256.	1.4	31
1005	Nutrigenomics and Nutrigenetics. , 2016, , 21-29.		2
1006	Induction of renal senescence marker protein-30 (SMP30) expression by testosterone and its contribution to urinary calcium absorption in male rats. <i>Scientific Reports</i> , 2016, 6, 32085.	1.6	10
1007	Reduced mitochondrial mass and function add to age-related susceptibility toward diet-induced fatty liver in C57BL/6J mice. <i>Physiological Reports</i> , 2016, 4, e12988.	0.7	31
1008	The Evolution of Epigenetics: From Prokaryotes to Humans and Its Biological Consequences. <i>Genetics & Epigenetics</i> , 2016, 8, GEG.S31863.	2.5	52
1009	Interaction of mouse splenocytes and macrophages with bacterial strains in vitro: the effect of age in the immune response. <i>Beneficial Microbes</i> , 2016, 7, 275-287.	1.0	10
1010	Histone H3 and TORC1 prevent organelle dysfunction and cell death by promoting nuclear retention of HMGB proteins. <i>Epigenetics and Chromatin</i> , 2016, 9, 34.	1.8	8
1011	The influence of pro-longevity gene <i>Gclc</i> overexpression on the age-dependent changes in <i>Drosophila</i> transcriptome and biological functions. <i>BMC Genomics</i> , 2016, 17, 1046.	1.2	28
1012	Towards a multidimensional healthy ageing phenotype. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 418-426.	1.3	9
1013	HIV and ageing. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 527-536.	1.5	112
1014	From paediatrics to geriatrics: a life course perspective on the MRC National Survey of Health and Development. <i>European Journal of Epidemiology</i> , 2016, 31, 1069-1079.	2.5	10
1015	Effects of senescent lens epithelial cells on the severity of age-related cortical cataract in humans. <i>Medicine (United States)</i> , 2016, 95, e3869.	0.4	29
1016	Profiling IgG N-glycans as potential biomarker of chronological and biological ages. <i>Medicine (United States)</i> 97(10):1049-1054	0.4	97
1017	Pharmaceutical inhibition of mTOR in the common marmoset: effect of rapamycin on regulators of proteostasis in a non-human primate. <i>Pathobiology of Aging & Age Related Diseases</i> , 2016, 6, 31793.	1.1	25
1018	Genome engineering: <i>Drosophila melanogaster</i> and beyond. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 233-267.	5.9	35
1019	Phenotypic and functional changes in dermal primary fibroblasts isolated from intrinsically aged human skin. <i>Experimental Dermatology</i> , 2016, 25, 113-119.	1.4	46
1020	Modifiers of Neural Stem Cells and Aging: Pulling the Trigger of a Neurogenic Decline. <i>Current Stem Cell Reports</i> , 2016, 2, 273-281.	0.7	2
1021	Weight Loss Upregulates the Small GTPase DIRAS3 in Human White Adipose Progenitor Cells, Which Negatively Regulates Adipogenesis and Activates Autophagy via Akt/mTOR Inhibition. <i>EBioMedicine</i> , 2016, 6, 149-161.	2.7	34

#	ARTICLE	IF	CITATIONS
1022	On cognitive ecology and the environmental factors that promote Alzheimer disease: lessons from <i>Octodon degus</i> (Rodentia: Octodontidae). <i>Biological Research</i> , 2016, 49, 10.	1.5	25
1023	Energetic interventions for healthspan and resiliency with aging. <i>Experimental Gerontology</i> , 2016, 86, 73-83.	1.2	39
1024	The Metabolic Impact on Histone Acetylation and Transcription in Ageing. <i>Trends in Biochemical Sciences</i> , 2016, 41, 700-711.	3.7	143
1025	Genetic control of circadian rhythms and aging. <i>Russian Journal of Genetics</i> , 2016, 52, 343-361.	0.2	9
1026	Inside out: the role of nucleocytoplasmic transport in ALS and FTLD. <i>Acta Neuropathologica</i> , 2016, 132, 159-173.	3.9	109
1027	NF- κ B signaling as a driver of ageing. <i>International Review of Cell and Molecular Biology</i> , 2016, 326, 133-174.	1.6	55
1028	Tissue-specific down-regulation of S-adenosyl-homocysteine via suppression of dAHCYL1/dAHCYL2 extends health span and life span in <i>Drosophila</i> . <i>Genes and Development</i> , 2016, 30, 1409-1422.	2.7	77
1030	The protective role of protein L-isoaspartyl (D-aspartate) O-methyltransferase for maintenance of mitochondrial morphology in A549 cell. <i>Experimental Lung Research</i> , 2016, 42, 245-262.	0.5	5
1031	Telomere Attrition: A Window Into Common Mental Disorders and Cellular Aging. <i>American Journal of Psychiatry</i> , 2016, 173, 556-558.	4.0	2
1032	From DNA damage to functional changes of the trabecular meshwork in aging and glaucoma. <i>Ageing Research Reviews</i> , 2016, 29, 26-41.	5.0	102
1034	The Aging Epigenome. <i>Molecular Cell</i> , 2016, 62, 728-744.	4.5	362
1035	Diastolic dysfunction and cardiac troponin I decrease in aging hearts. <i>Archives of Biochemistry and Biophysics</i> , 2016, 603, 20-28.	1.4	18
1036	Effects of low-dose ibuprofen supplementation and resistance training on bone and muscle in postmenopausal women: A randomized controlled trial. <i>Bone Reports</i> , 2016, 5, 96-103.	0.2	23
1037	Derailed Proteostasis as a Determinant of Cardiac Aging. <i>Canadian Journal of Cardiology</i> , 2016, 32, 1166.e11-1166.e20.	0.8	19
1038	Signaling Networks Determining Life Span. <i>Annual Review of Biochemistry</i> , 2016, 85, 35-64.	5.0	143
1039	Stem Cells: A Renaissance in Human Biology Research. <i>Cell</i> , 2016, 165, 1572-1585.	13.5	87
1040	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. <i>Science</i> , 2016, 352, 1443-1445.	6.0	697
1041	Epigenetic perturbations in aging stem cells. <i>Mammalian Genome</i> , 2016, 27, 396-406.	1.0	7

#	ARTICLE	IF	CITATIONS
1042	Vitamin C alleviates aging defects in a stem cell model for Werner syndrome. <i>Protein and Cell</i> , 2016, 7, 478-488.	4.8	58
1043	Animal and human models to understand ageing. <i>Maturitas</i> , 2016, 93, 18-27.	1.0	35
1044	Pervasive Effects of Aging on Gene Expression in Wild Wolves. <i>Molecular Biology and Evolution</i> , 2016, 33, 1967-1978.	3.5	24
1045	MMP-25 Metalloprotease Regulates Innate Immune Response through NF- κ B Signaling. <i>Journal of Immunology</i> , 2016, 197, 296-302.	0.4	34
1046	iPSCs: On the Road to Reprogramming Aging. <i>Trends in Molecular Medicine</i> , 2016, 22, 713-724.	3.5	45
1047	Double strand breaks may be a missing link between entropy and aging. <i>Mechanisms of Ageing and Development</i> , 2016, 157, 1-6.	2.2	10
1048	Developmental aspects of a life course approach to healthy ageing. <i>Journal of Physiology</i> , 2016, 594, 2147-2160.	1.3	56
1049	Non-canonical roles for caveolin in regulation of membrane repair and mitochondria: implications for stress adaptation with age. <i>Journal of Physiology</i> , 2016, 594, 4581-4589.	1.3	9
1050	A synopsis on aging—Theories, mechanisms and future prospects. <i>Ageing Research Reviews</i> , 2016, 29, 90-112.	5.0	277
1051	Mitophagy plays a central role in mitochondrial ageing. <i>Mammalian Genome</i> , 2016, 27, 381-395.	1.0	114
1053	Physiological geroscience: targeting function to increase healthspan and achieve optimal longevity. <i>Journal of Physiology</i> , 2016, 594, 2001-2024.	1.3	206
1054	Alterations of Mitochondrial DNA Copy Number and Telomere Length With Early Adversity and Psychopathology. <i>Biological Psychiatry</i> , 2016, 79, 78-86.	0.7	207
1055	Long-term Neuroglial Cocultures as a Brain Aging Model: Hallmarks of Senescence, MicroRNA Expression Profiles, and Comparison With In Vivo Models. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 50-60.	1.7	46
1056	Early-Life Intelligence Predicts Midlife Biological Age. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2016, 71, 968-977.	2.4	27
1057	Orchestrating the network of molecular pathways affecting aging: Role of nonselective autophagy and mitophagy. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 30-40.	2.2	40
1058	Nuclear hormone receptor DHR96 mediates the resistance to xenobiotics but not the increased lifespan of insulin-mutant <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1321-1326.	3.3	46
1059	Stem Cell Therapies for Cardiac Regeneration: Current Burden—Future Directions. <i>Pancreatic Islet Biology</i> , 2016, , 191-196.	0.1	0
1060	Autophagy and Metabolism. , 2016, , 473-509.		0

#	ARTICLE	IF	CITATIONS
1061	Various Mechanistic Pathways Representing the Aging Process Are Altered in COPD. <i>Chest</i> , 2016, 149, 53-61.	0.4	76
1062	Are invertebrates relevant models in ageing research? Focus on the effects of rapamycin on TOR. <i>Mechanisms of Ageing and Development</i> , 2016, 153, 22-29.	2.2	7
1063	Glycomics and glycoproteomics focused on aging and age-related diseases – Glycans as a potential biomarker for physiological alterations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1608-1614.	1.1	76
1064	Oxidative Stress Promotes Peroxiredoxin Hyperoxidation and Attenuates Pro-survival Signaling in Aging Chondrocytes. <i>Journal of Biological Chemistry</i> , 2016, 291, 6641-6654.	1.6	105
1065	Genomic stability during cellular reprogramming: Mission impossible?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 788, 12-16.	0.4	15
1066	Systemic DNA damage responses in aging and diseases. <i>Seminars in Cancer Biology</i> , 2016, 37-38, 26-35.	4.3	89
1067	Mode-specific physical activity and leukocyte telomere length among U.S. adults: Implications of running on cellular aging. <i>Preventive Medicine</i> , 2016, 85, 17-19.	1.6	27
1068	SIRT6 safeguards human mesenchymal stem cells from oxidative stress by coactivating NRF2. <i>Cell Research</i> , 2016, 26, 190-205.	5.7	261
1069	Targeted Therapy for Idiopathic Pulmonary Fibrosis: Where To Now?. <i>Drugs</i> , 2016, 76, 291-300.	4.9	44
1070	Sirtuins, Healthspan, and Longevity in Mammals. , 2016, , 83-132.		5
1071	Integrative Genomics of Aging. , 2016, , 263-285.		6
1072	Comparative Biology of Aging. , 2016, , 305-324.		2
1073	Calculating the Rate of Senescence From Mortality Data: An Analysis of Data From the ERA-EDTA Registry. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 468-474.	1.7	5
1074	Measuring Biological Age via Metabonomics: The Metabolic Age Score. <i>Journal of Proteome Research</i> , 2016, 15, 400-410.	1.8	105
1075	Site-specific proteasome phosphorylation controls cell proliferation and tumorigenesis. <i>Nature Cell Biology</i> , 2016, 18, 202-212.	4.6	148
1076	Nutrients, foods, dietary patterns and telomere length: Update of epidemiological studies and randomized trials. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 406-415.	1.5	100
1077	Reciprocal Changes in Phosphoenolpyruvate Carboxykinase and Pyruvate Kinase with Age Are a Determinant of Aging in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 1307-1319.	1.6	27
1078	Time-dependent dysregulation of autophagy: Implications in aging and mitochondrial homeostasis in the kidney proximal tubule. <i>Autophagy</i> , 2016, 12, 801-813.	4.3	85

#	ARTICLE	IF	CITATIONS
1079	AMPK/Snf1 signaling regulates histone acetylation: Impact on gene expression and epigenetic functions. <i>Cellular Signalling</i> , 2016, 28, 887-895.	1.7	83
1080	Early-life stress and reproductive cost: A two-hit developmental model of accelerated aging?. <i>Medical Hypotheses</i> , 2016, 90, 41-47.	0.8	52
1081	The Emergence of Geroscience as an Interdisciplinary Approach to the Enhancement of Health Span and Life Span. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a025163.	2.9	121
1082	Secondary Progression in Multiple Sclerosis: Neuronal Exhaustion or Distinct Pathology?. <i>Trends in Neurosciences</i> , 2016, 39, 325-339.	4.2	83
1083	Structure and Function of the Mitochondrial Ribosome. <i>Annual Review of Biochemistry</i> , 2016, 85, 103-132.	5.0	199
1084	Mitochondrial reactive oxygen species: Do they extend or shorten animal lifespan?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1116-1126.	0.5	84
1085	Lifelong leukocyte telomere dynamics and survival in a free-living mammal. <i>Aging Cell</i> , 2016, 15, 140-148.	3.0	118
1086	Long live <sc>FOXO</sc>: unraveling the role of <sc>FOXO</sc> proteins in aging and longevity. <i>Aging Cell</i> , 2016, 15, 196-207.	3.0	537
1087	Mechanisms of Lung Fibrosis Resolution. <i>American Journal of Pathology</i> , 2016, 186, 1066-1077.	1.9	100
1088	Effect of hyperglycemia on the number of CD117+ progenitor cells and their differentiation toward endothelial progenitor cells in young and old ages. <i>Mechanisms of Ageing and Development</i> , 2016, 159, 31-36.	2.2	4
1089	Pathology of Mouse Models of Accelerated Aging. <i>Veterinary Pathology</i> , 2016, 53, 366-389.	0.8	79
1090	The Neuronal Kinesin UNC-104/KIF1A Is a Key Regulator of Synaptic Aging and Insulin Signaling-Regulated Memory. <i>Current Biology</i> , 2016, 26, 605-615.	1.8	49
1091	Effects of aging on the male reproductive system. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 441-454.	1.2	154
1092	Stem Cells and Aging. , 2016, , 776-784.		0
1093	18Î±-Glycyrrhetic Acid Proteasome Activator Decelerates Aging and Alzheimer's Disease Progression in <i>Caenorhabditis elegans</i> and Neuronal Cultures. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 855-869.	2.5	54
1094	Senescence associated secretory phenotype profile from primary lung mice fibroblasts depends on the senescence induction stimuli. <i>Age</i> , 2016, 38, 26.	3.0	76
1095	Mitochondrial Dysfunction Meets Senescence. <i>Trends in Biochemical Sciences</i> , 2016, 41, 207-209.	3.7	42
1096	Antisenescence effect of mouse embryonic stem cell conditioned medium through a PDGF/FGF pathway. <i>FASEB Journal</i> , 2016, 30, 1276-1286.	0.2	26

#	ARTICLE	IF	CITATIONS
1097	Reorganization of chromosome architecture in replicative cellular senescence. <i>Science Advances</i> , 2016, 2, e1500882.	4.7	122
1098	Inorganic Phosphate Activates the AKT/mTORC1 Pathway and Shortens the Life Span of an $\text{Fln}^{\text{fl/fl}}$ Klotho $^{\text{fl/fl}}$ Deficient Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2810-2824.	3.0	38
1099	Understanding the physiology of the ageing individual: computational modelling of changes in metabolism and endurance. <i>Interface Focus</i> , 2016, 6, 20150079.	1.5	49
1100	Mitochondria-Targeting Ceria Nanoparticles as Antioxidants for Alzheimer's Disease. <i>ACS Nano</i> , 2016, 10, 2860-2870.	7.3	481
1101	Genome-Wide DNA Methylation Changes During Aging. , 2016, , 127-144.		1
1102	Cellular senescence and tumor promotion: Is aging the key?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1865, 155-167.	3.3	67
1103	Hair follicle aging is driven by transepidermal elimination of stem cells via COL17A1 proteolysis. <i>Science</i> , 2016, 351, aad4395.	6.0	265
1104	Rice bran extract improves mitochondrial dysfunction in brains of aged NMRI mice. <i>Nutritional Neuroscience</i> , 2016, 19, 1-10.	1.5	44
1105	Molecular insights into the premature aging disease progeria. <i>Histochemistry and Cell Biology</i> , 2016, 145, 401-417.	0.8	94
1106	Age-associated changes in DNA methylation across multiple tissues in an inbred mouse model. <i>Mechanisms of Ageing and Development</i> , 2016, 154, 20-23.	2.2	34
1107	Cell-Nonautonomous Mechanisms Underlying Cellular and Organismal Aging. <i>International Review of Cell and Molecular Biology</i> , 2016, 321, 259-297.	1.6	15
1108	Coenzyme Q biosynthesis and its role in the respiratory chain structure. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1073-1078.	0.5	102
1109	The Role of Osteocytes in Age-Related Bone Loss. <i>Current Osteoporosis Reports</i> , 2016, 14, 16-25.	1.5	119
1110	The novel tumor suppressor AIRAPL regulates IGF1R proteostasis. <i>Cell Cycle</i> , 2016, 15, 873-874.	1.3	1
1111	Longitudinal RNA-Seq Analysis of Vertebrate Aging Identifies Mitochondrial Complex I as a Small-Molecule-Sensitive Modifier of Lifespan. <i>Cell Systems</i> , 2016, 2, 122-132.	2.9	155
1112	Human mesenchymal stromal cells reduce influenza A H5N1-associated acute lung injury in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3621-3626.	3.3	174
1113	Change in Epigenome-Wide DNA Methylation Over 9 Years and Subsequent Mortality: Results From the InCHIANTI Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1029-1035.	1.7	35
1114	Relative Leukocyte Telomere Length, Hematological Parameters and Anemia - Data from the Berlin Aging Study II (BASE-II). <i>Gerontology</i> , 2016, 62, 330-336.	1.4	21

#	ARTICLE	IF	CITATIONS
1115	Periodic acid-Schiff granules in the brain of aged mice: From amyloid aggregates to degenerative structures containing neo-epitopes. <i>Ageing Research Reviews</i> , 2016, 27, 42-55.	5.0	30
1116	The short-lived African turquoise killifish: an emerging experimental model for ageing. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 115-129.	1.2	102
1117	Regenerative decline of stem cells in sarcopenia. <i>Molecular Aspects of Medicine</i> , 2016, 50, 109-117.	2.7	99
1118	iPSCs-based anti-aging therapies: Recent discoveries and future challenges. <i>Ageing Research Reviews</i> , 2016, 27, 37-41.	5.0	7
1119	Shortened telomere length in patients with depression: A meta-analytic study. <i>Journal of Psychiatric Research</i> , 2016, 76, 84-93.	1.5	73
1120	Effects of aerobic training on markers of autophagy in the elderly. <i>Age</i> , 2016, 38, 33.	3.0	48
1121	Histone Modifications in Ageing and Lifespan Regulation. <i>Current Molecular Biology Reports</i> , 2016, 2, 26-35.	0.8	30
1122	Deconstructing Dietary Restriction: A Case for Systems Approaches in Aging. <i>Cell Metabolism</i> , 2016, 23, 395-396.	7.2	2
1123	MitoAge: a database for comparative analysis of mitochondrial DNA, with a special focus on animal longevity. <i>Nucleic Acids Research</i> , 2016, 44, D1262-D1265.	6.5	25
1125	Nuclear DNA damage signalling to mitochondria in ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 308-321.	16.1	294
1126	The safety of treatment options for elderly people with acute myeloid leukemia. <i>Expert Opinion on Drug Safety</i> , 2016, 15, 635-645.	1.0	2
1127	Absence of AMPK β 2 accelerates cellular senescence via p16 induction in mouse embryonic fibroblasts. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 71, 72-80.	1.2	17
1128	Mitochondrial communication in homeostasis and stress. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 213-226.	16.1	533
1129	Oxidative stress, autophagy, epigenetic changes and regulation by miRNAs as potential therapeutic targets in osteoarthritis. <i>Biochemical Pharmacology</i> , 2016, 108, 1-10.	2.0	124
1130	The redundancy of the mammalian heterochromatic compartment. <i>Current Opinion in Genetics and Development</i> , 2016, 37, 1-8.	1.5	35
1131	Loss of the proteostasis factor AIRAPL causes myeloid transformation by deregulating IGF-1 signaling. <i>Nature Medicine</i> , 2016, 22, 91-96.	15.2	37
1132	Controlled DNA double-strand break induction in mice reveals post-damage transcriptome stability. <i>Nucleic Acids Research</i> , 2016, 44, e64-e64.	6.5	44
1133	Epigenetic targets in cancer and aging: dietary and therapeutic interventions. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 689-703.	1.5	18

#	ARTICLE	IF	CITATIONS
1134	Systematic review of the association between chronic social stress and telomere length: A life course perspective. <i>Ageing Research Reviews</i> , 2016, 26, 37-52.	5.0	109
1135	Nrf2 signaling and redox homeostasis in the aging heart: A potential target to prevent cardiovascular diseases?. <i>Ageing Research Reviews</i> , 2016, 26, 81-95.	5.0	69
1136	Plasmon-Enhanced Autofluorescence Imaging of Organelles in Label-Free Cells by Deep-Ultraviolet Excitation. <i>Analytical Chemistry</i> , 2016, 88, 1407-1411.	3.2	14
1137	The impact of low-protein high-carbohydrate diets on aging and lifespan. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1237-1252.	2.4	164
1138	Autophagy maintains stemness by preventing senescence. <i>Nature</i> , 2016, 529, 37-42.	13.7	1,013
1139	Understanding age-related diseases: report of the 2015 Ageing Summit. <i>European Respiratory Journal</i> , 2016, 47, 5-9.	3.1	3
1140	Highly Charged Proteins: The Achilles' Heel of Aging Proteomes. <i>Structure</i> , 2016, 24, 329-336.	1.6	58
1141	Unraveling the links between cancer and aging. <i>Carcinogenesis</i> , 2016, 37, 107-107.	1.3	31
1142	Osteoarthritis year in review 2015: biology. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 21-26.	0.6	120
1143	The Biology of Aging. <i>Veterinary Pathology</i> , 2016, 53, 291-298.	0.8	45
1144	What might retrotransposons teach us about aging?. <i>Current Genetics</i> , 2016, 62, 277-282.	0.8	29
1145	Ageing and the telomere connection: An intimate relationship with inflammation. <i>Ageing Research Reviews</i> , 2016, 25, 55-69.	5.0	280
1146	Chronic alpha-linolenic acid treatment alleviates age-associated neuropathology: Roles of PERK/eIF2 β signaling pathway. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 314-325.	2.0	23
1147	Emotions and family interactions in childhood: Associations with leukocyte telomere length. <i>Psychoneuroendocrinology</i> , 2016, 63, 343-350.	1.3	35
1148	Genome Integrity in Aging: Human Syndromes, Mouse Models, and Therapeutic Options. <i>Annual Review of Pharmacology and Toxicology</i> , 2016, 56, 427-445.	4.2	94
1149	Alzheimer's as a Systems-Level Disease Involving the Interplay of Multiple Cellular Networks. <i>Methods in Molecular Biology</i> , 2016, 1303, 3-48.	0.4	33
1150	Hutchinson's Gilford progeria syndrome as a model for vascular aging. <i>Biogerontology</i> , 2016, 17, 129-145.	2.0	27
1152	Navigating yeast genome maintenance with functional genomics. <i>Briefings in Functional Genomics</i> , 2016, 15, 119-129.	1.3	5

#	ARTICLE	IF	CITATIONS
1153	Long-Term Dietary Alpha-Linolenic Acid Supplement Alleviates Cognitive Impairment Correlate with Activating Hippocampal CREB Signaling in Natural Aging Rats. <i>Molecular Neurobiology</i> , 2016, 53, 4772-4786.	1.9	31
1154	Partial sleep deprivation activates the DNA damage response (DDR) and the senescence-associated secretory phenotype (SASP) in aged adult humans. <i>Brain, Behavior, and Immunity</i> , 2016, 51, 223-229.	2.0	77
1155	The Biology of Immortality. <i>Science and Fiction</i> , 2016, , 281-320.	0.0	0
1156	Aging and Vision. <i>Advances in Experimental Medicine and Biology</i> , 2016, 854, 393-399.	0.8	17
1157	DNA Damage and Repair in Vascular Disease. <i>Annual Review of Physiology</i> , 2016, 78, 45-66.	5.6	59
1158	Unabridged Analysis of Human Histone H3 by Differential Top-Down Mass Spectrometry Reveals Hypermethylated Proteoforms from MMSET/NSD2 Overexpression. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 776-790.	2.5	56
1159	Long noncoding RNAs in diseases of aging. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 209-221.	0.9	70
1160	Age-related changes in basal substrate oxidation and visceral adiposity and their association with metabolic syndrome. <i>European Journal of Nutrition</i> , 2016, 55, 1755-1767.	1.8	22
1161	Mechanisms and consequences of aneuploidy and chromosome instability in the aging brain. <i>Mechanisms of Ageing and Development</i> , 2017, 161, 19-36.	2.2	42
1162	Back and forth in time: Directing age in iPSC-derived lineages. <i>Brain Research</i> , 2017, 1656, 14-26.	1.1	38
1163	Food supplementation with rice bran enzymatic extract prevents vascular apoptosis and atherogenesis in ApoE ^{-/-} mice. <i>European Journal of Nutrition</i> , 2017, 56, 225-236.	4.6	13
1164	Life stress, glucocorticoid signaling, and the aging epigenome: Implications for aging-related diseases. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 74, 356-365.	2.9	98
1165	DNA damage in protective and adverse inflammatory responses: Friend of foe?. <i>Mechanisms of Ageing and Development</i> , 2017, 165, 47-53.	2.2	11
1166	Aging in Rothmund-Thomson syndrome and related RECQL4 genetic disorders. <i>Ageing Research Reviews</i> , 2017, 33, 30-35.	5.0	35
1167	Anesthetic Isoflurane Induces DNA Damage Through Oxidative Stress and p53 Pathway. <i>Molecular Neurobiology</i> , 2017, 54, 3591-3605.	1.9	46
1168	Bloom's syndrome: Why not premature aging?. <i>Ageing Research Reviews</i> , 2017, 33, 36-51.	5.0	63
1169	Ataxia-telangiectasia (A-T): An emerging dimension of premature ageing. <i>Ageing Research Reviews</i> , 2017, 33, 76-88.	5.0	88
1170	Assessment of health status by molecular measures in adults ranging from middle-aged to old: Ready for clinical use?. <i>Experimental Gerontology</i> , 2017, 87, 175-181.	1.2	9

#	ARTICLE	IF	CITATIONS
1171	Genome instability: Linking ageing and brain degeneration. <i>Mechanisms of Ageing and Development</i> , 2017, 161, 4-18.	2.2	11
1172	Circulating markers of ageing and allostatic load: A slow train coming. <i>Practical Laboratory Medicine</i> , 2017, 7, 49-54.	0.6	48
1173	Caloric restriction improves health and survival of rhesus monkeys. <i>Nature Communications</i> , 2017, 8, 14063.	5.8	626
1174	Osteoarthritis: toward a comprehensive understanding of pathological mechanism. <i>Bone Research</i> , 2017, 5, 16044.	5.4	731
1175	Environmental Chemicals and Aging. <i>Current Environmental Health Reports</i> , 2017, 4, 38-43.	3.2	7
1176	Role of Mitochondrial Metabolism in the Control of Early Lineage Progression and Aging Phenotypes in Adult Hippocampal Neurogenesis. <i>Neuron</i> , 2017, 93, 560-573.e6.	3.8	221
1177	Increased Arf/p53 activity in stem cells, aging and cancer. <i>Aging Cell</i> , 2017, 16, 219-225.	3.0	38
1178	Fibrosis pulmonar idiopática. <i>Medicina Clínica</i> , 2017, 148, 170-175.	0.3	26
1179	Metabolic effects of fasting on human and mouse blood in vivo. <i>Autophagy</i> , 2017, 13, 567-578.	4.3	75
1180	MicroRNAs and the metabolic hallmarks of aging. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 131-147.	1.6	51
1181	Mechanisms of oncogene-induced genomic instability. <i>Biophysical Chemistry</i> , 2017, 225, 49-57.	1.5	13
1182	How Can Aging Be Thought of as Anything Other Than a Disease?. , 2017, , 233-240.		3
1183	Environmental stresses induce transgenerationally inheritable survival advantages via germline-to-soma communication in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2017, 8, 14031.	5.8	134
1184	TP53 Modulates Oxidative Stress in Gata1 + Erythroid Cells. <i>Stem Cell Reports</i> , 2017, 8, 360-372.	2.3	8
1185	Antagonistic pleiotropy and mutation accumulation influence human senescence and disease. <i>Nature Ecology and Evolution</i> , 2017, 1, 55.	3.4	82
1186	Visualization of aging-associated chromatin alterations with an engineered TALE system. <i>Cell Research</i> , 2017, 27, 483-504.	5.7	51
1187	Changing mutational and adaptive landscapes and the genesis of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1867, 84-94.	3.3	27
1188	Pleiotropic responses to methionine restriction. <i>Experimental Gerontology</i> , 2017, 94, 83-88.	1.2	80

#	ARTICLE	IF	CITATIONS
1189	Exposure to Concentrated Ambient PM _{2.5} Shortens Lifespan and Induces Inflammation-Associated Signaling and Oxidative Stress in <i>Drosophila</i> . <i>Toxicological Sciences</i> , 2017, 156, kfw240.	1.4	30
1190	Small heat shock proteins in ageing and age-related diseases. <i>Cell Stress and Chaperones</i> , 2017, 22, 481-492.	1.2	33
1191	Modest overexpression of <i>FOXO</i> maintains cardiac proteostasis and ameliorates age-associated functional decline. <i>Aging Cell</i> , 2017, 16, 93-103.	3.0	31
1192	Nicotinamide Ameliorates Disease Phenotypes in a Human iPSC Model of Age-Related Macular Degeneration. <i>Cell Stem Cell</i> , 2017, 20, 635-647.e7.	5.2	135
1193	Impact of genetic background and experimental reproducibility on identifying chemical compounds with robust longevity effects. <i>Nature Communications</i> , 2017, 8, 14256.	5.8	102
1194	A novel single-cell method provides direct evidence of persistent DNA damage in senescent cells and aged mammalian tissues. <i>Aging Cell</i> , 2017, 16, 422-427.	3.0	56
1195	Clonal reversal of ageing-associated stem cell lineage bias via a pluripotent intermediate. <i>Nature Communications</i> , 2017, 8, 14533.	5.8	36
1196	Effects of testosterone administration on liver structure and function in aging rats. <i>Aging Male</i> , 2017, 20, 134-137.	0.9	7
1197	An integrative metabolomics and transcriptomics study to identify metabolic alterations in aged skin of humans in vivo. <i>BMC Genomics</i> , 2017, 18, 169.	1.2	62
1198	Inactivation of <i>Lsd1</i> triggers senescence in trophoblast stem cells by induction of <i>Sirt4</i> . <i>Cell Death and Disease</i> , 2017, 8, e2631-e2631.	2.7	33
1199	Oxidative status predicts quality in human mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 3.	2.4	26
1200	Mitophagy in neurodegeneration and aging. <i>Neurochemistry International</i> , 2017, 109, 202-209.	1.9	272
1201	Will you still need me (Ca ²⁺ , TnT, and DHPR), will you still cleave me (calpain), when I'm 64?. <i>Aging Cell</i> , 2017, 16, 202-204.	3.0	13
1202	Biomechanical Strain Exacerbates Inflammation on a Progeria Chip Model. <i>Small</i> , 2017, 13, 1603737.	5.2	75
1203	Nutrient sensing pathways as therapeutic targets for healthy ageing. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 371-380.	1.5	36
1204	Ageing and ocular surface immunity. <i>British Journal of Ophthalmology</i> , 2017, 101, 1-5.	2.1	28
1205	Mitochondria. <i>Methods in Molecular Biology</i> , 2017, , .	0.4	2
1206	A review of supervised machine learning applied to ageing research. <i>Biogerontology</i> , 2017, 18, 171-188.	2.0	101

#	ARTICLE	IF	CITATIONS
1207	The Role of the Immune System in Metabolic Health and Disease. <i>Cell Metabolism</i> , 2017, 25, 506-521.	7.2	223
1208	miR-377 induces senescence in human skin fibroblasts by targeting DNA methyltransferase 1. <i>Cell Death and Disease</i> , 2017, 8, e2663-e2663.	2.7	39
1209	¹ H NMR-based metabolic investigation of the effect of <i>Lentinula edodes</i> -derived polysaccharides on aged mice. <i>Journal of Food Biochemistry</i> , 2017, 41, e12371.	1.2	5
1210	MECHANISMS IN ENDOCRINOLOGY: Aging and anti-aging: a Combo-Endocrinology overview. <i>European Journal of Endocrinology</i> , 2017, 176, R283-R308.	1.9	72
1211	Assessing Mitochondrial Selective Autophagy in the Nematode <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2017, 1567, 349-361.	0.4	8
1212	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. <i>JAMA Oncology</i> , 2017, 3, 636.	3.4	376
1213	Age-associated molecular changes are deleterious and may modulate life span through diet. <i>Science Advances</i> , 2017, 3, e1601833.	4.7	11
1214	<i>ZRF</i> 1 is a novel S6 kinase substrate that drives the senescence programme. <i>EMBO Journal</i> , 2017, 36, 736-750.	3.5	33
1215	Tat-Mediated Induction of miRs-34a & -138 Promotes Astrocytic Activation via Downregulation of SIRT1: Implications for Aging in HAND. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 420-432.	2.1	30
1216	Autophagy maintains the metabolism and function of young and old stem cells. <i>Nature</i> , 2017, 543, 205-210.	13.7	658
1217	Cytosolic proteostasis through importing of misfolded proteins into mitochondria. <i>Nature</i> , 2017, 543, 443-446.	13.7	363
1218	Muscle Stem Cells: A Model System for Adult Stem Cell Biology. <i>Methods in Molecular Biology</i> , 2017, 1556, 3-19.	0.4	6
1219	Maintained memory in aging is associated with young epigenetic age. <i>Neurobiology of Aging</i> , 2017, 55, 167-171.	1.5	70
1220	Aging and caloric restriction impact adipose tissue, adiponectin, and circulating lipids. <i>Aging Cell</i> , 2017, 16, 497-507.	3.0	94
1221	Targeting mitochondrial dysfunction can restore antiviral activity of exhausted HBV-specific CD8 T cells in chronic hepatitis B. <i>Nature Medicine</i> , 2017, 23, 327-336.	15.2	251
1222	Mitochondria, Cybrids, Aging, and Alzheimer's Disease. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 146, 259-302.	0.9	87
1223	The concept of ageing in evolutionary algorithms: Discussion and inspirations for human ageing. <i>Mechanisms of Ageing and Development</i> , 2017, 163, 8-14.	2.2	4
1224	Physiological links of circadian clock and biological clock of aging. <i>Protein and Cell</i> , 2017, 8, 477-488.	4.8	45

#	ARTICLE	IF	CITATIONS
1225	Mitochondrial Dynamics: Coupling Mitochondrial Fitness with Healthy Aging. Trends in Molecular Medicine, 2017, 23, 201-215.	3.5	223
1226	An atypical switch for metabolism and ageing. Nature, 2017, 542, 299-300.	13.7	2
1227	The Hippocampus from Cells to Systems. , 2017, , .		18
1228	Differential decrease in soluble and DNA-bound telomerase in senescent human fibroblasts. Biogerontology, 2017, 18, 525-533.	2.0	8
1229	Telomere-driven diseases and telomere-targeting therapies. Journal of Cell Biology, 2017, 216, 875-887.	2.3	194
1230	SIRT3 deficiency promotes lung fibrosis by augmenting alveolar epithelial cell mitochondrial DNA damage and apoptosis. FASEB Journal, 2017, 31, 2520-2532.	0.2	96
1231	Jujube (Ziziphus Jujuba Mill.) fruit feeding extends lifespan and increases tolerance to environmental stresses by regulating aging-associated gene expression in Drosophila. Biogerontology, 2017, 18, 263-273.	2.0	16
1232	The Indirubin Derivative 6-Bromoindirubin-3-oxime Activates Proteostatic Modules, Reprograms Cellular Bioenergetic Pathways, and Exerts Antiaging Effects. Antioxidants and Redox Signaling, 2017, 27, 1027-1047.	2.5	24
1233	Epigenomics of human CD8 T cell differentiation and aging. Science Immunology, 2017, 2, .	5.6	181
1234	Mutation and catastrophe in the aging genome. Experimental Gerontology, 2017, 94, 34-40.	1.2	28
1235	Mitochondria and Epigenetics – Crosstalk in Homeostasis and Stress. Trends in Cell Biology, 2017, 27, 453-463.	3.6	256
1236	Integrin Beta 3 Regulates Cellular Senescence by Activating the TGF-Î² Pathway. Cell Reports, 2017, 18, 2480-2493.	2.9	135
1237	Effect of age on pro-inflammatory miRNAs contained in mesenchymal stem cell-derived extracellular vesicles. Scientific Reports, 2017, 7, 43923.	1.6	69
1238	High Volume Exercise Training in Older Athletes Influences Inflammatory and Redox Responses to Acute Exercise. Journal of Aging and Physical Activity, 2017, 25, 559-569.	0.5	3
1239	Neurodegeneration Enhances the Development of Arthritis. Journal of Immunology, 2017, 198, 2394-2402.	0.4	15
1240	Acute exercise activates p38 MAPK and increases the expression of telomere-protective genes in cardiac muscle. Experimental Physiology, 2017, 102, 397-410.	0.9	42
1241	The Aging Cardiovascular System. Journal of the American College of Cardiology, 2017, 69, 1952-1967.	1.2	400
1242	Regulation of stem cell aging by SIRT1 – Linking metabolic signaling to epigenetic modifications. Molecular and Cellular Endocrinology, 2017, 455, 75-82.	1.6	24

#	ARTICLE	IF	CITATIONS
1243	From lymphopoiesis to plasma cells differentiation, the age-related modifications of B cell compartment are influenced by inflamm-ageing. <i>Ageing Research Reviews</i> , 2017, 36, 125-136.	5.0	71
1244	Alpha-Ketoglutarate Curbs Differentiation and Induces Cell Death in Mesenchymal Stromal Precursors with Mitochondrial Dysfunction. <i>Stem Cells</i> , 2017, 35, 1704-1718.	1.4	25
1245	Tomatidine enhances lifespan and healthspan in <i>C. elegans</i> through mitophagy induction via the SKN-1/Nrf2 pathway. <i>Scientific Reports</i> , 2017, 7, 46208.	1.6	116
1246	Long-term calorie restriction in humans is not associated with indices of delayed immunologic aging: A descriptive study. <i>Nutrition and Healthy Aging</i> , 2017, 4, 147-156.	0.5	20
1247	<scp>DNA</scp> damage and senescence in osteoprogenitors expressing Osx1 may cause their decrease with age. <i>Aging Cell</i> , 2017, 16, 693-703.	3.0	146
1248	Multi-tissue DNA methylation age predictor in mouse. <i>Genome Biology</i> , 2017, 18, 68.	3.8	341
1250	The impact of cellular senescence in skin ageing: A notion of mosaic and therapeutic strategies. <i>Biochemical Pharmacology</i> , 2017, 142, 1-12.	2.0	77
1251	The Ubiquitin Ligase CHIP Integrates Proteostasis and Aging by Regulation of Insulin Receptor Turnover. <i>Cell</i> , 2017, 169, 470-482.e13.	13.5	106
1252	Trehalose supplementation reduces hepatic endoplasmic reticulum stress and inflammatory signaling in old mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 45, 15-23.	1.9	45
1253	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. <i>Neurobiology of Aging</i> , 2017, 56, 41-49.	1.5	109
1254	Impact of early personal history characteristics on the Pace of Aging: implications for clinical trials of therapies to slow aging and extend healthspan. <i>Aging Cell</i> , 2017, 16, 644-651.	3.0	87
1255	Cycling our way to fit fat. <i>Physiological Reports</i> , 2017, 5, e13247.	0.7	26
1256	Alterations of the translation apparatus during aging and stress response. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 30-36.	2.2	132
1257	Aging does not alter tendon mechanical properties during homeostasis, but does impair flexor tendon healing. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2716-2724.	1.2	46
1258	Lung Homeostasis: Influence of Age, Microbes, and the Immune System. <i>Immunity</i> , 2017, 46, 549-561.	6.6	196
1259	Epigenetic aging signatures in mice livers are slowed by dwarfism, calorie restriction and rapamycin treatment. <i>Genome Biology</i> , 2017, 18, 57.	3.8	249
1260	Dysregulated Nox4 ubiquitination contributes to redox imbalance and age-related severity of acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L297-L308.	1.3	36
1261	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1492-1500.	1.7	55

#	ARTICLE	IF	CITATIONS
1262	The energy sensing $\text{LKB} \rightarrow \text{AMPK} \rightarrow \text{IGF} \rightarrow \text{PKB}$ pathway regulates $\text{IGF} \rightarrow \text{PKB}$ pathway in primary hepatocytes. <i>FEBS Journal</i> , 2017, 284, 2096-2109.	2.2	11
1263	The epigenetic landscape of age-related diseases: the geroscience perspective. <i>Biogerontology</i> , 2017, 18, 549-559.	2.0	62
1264	Functional relevance of miRNAs in premature ageing. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 10-19.	2.2	11
1265	Frailty and anesthesia. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 409-417.	0.9	49
1266	Influence of anaerobic and aerobic exercise on age-related pathways in skeletal muscle. <i>Ageing Research Reviews</i> , 2017, 37, 39-52.	5.0	16
1267	Age-Related Changes in Plasma Extracellular Vesicle Characteristics and Internalization by Leukocytes. <i>Scientific Reports</i> , 2017, 7, 1342.	1.6	193
1268	A randomized controlled trial to establish effects of short-term rapamycin treatment in 24 middle-aged companion dogs. <i>GeroScience</i> , 2017, 39, 117-127.	2.1	125
1269	Proteomic analysis of aged microglia: shifts in transcription, bioenergetics, and nutrient response. <i>Journal of Neuroinflammation</i> , 2017, 14, 96.	3.1	89
1270	Ageing: Fewer Obstacles to DNA Replication?. <i>Trends in Cancer</i> , 2017, 3, 387-390.	3.8	0
1271	Report: NIA Workshop on Measures of Physiologic Resiliencies in Human Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 980-990.	1.7	111
1272	Basic science and pathogenesis of ageing with HIV. <i>Aids</i> , 2017, 31, S105-S119.	1.0	82
1273	Geriatric syndromes. <i>Aids</i> , 2017, 31, S137-S146.	1.0	51
1274	Oncological challenges for an ageing population living with HIV. <i>Aids</i> , 2017, 31, S185-S189.	1.0	3
1275	Ageing, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , 2017, 9, 689-700.	1.0	73
1276	The role of matrix metalloproteinases in aging: Tissue remodeling and beyond. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 2015-2025.	1.9	201
1277	Rejuvenation of Cardiac Tissue Developed from Reprogrammed Aged Somatic Cells. <i>Rejuvenation Research</i> , 2017, 20, 389-400.	0.9	13
1278	Long Live Partial Reprogramming. <i>Circulation Research</i> , 2017, 120, 1381-1383.	2.0	2
1279	The effects of aging in the hippocampus and cognitive decline. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 79, 66-86.	2.9	385

#	ARTICLE	IF	CITATIONS
1280	Changing Direction. <i>Circulation Research</i> , 2017, 120, 1393-1395.	2.0	7
1281	Chronicle of a Neuronal Death Foretold: Preventing Aging by Keeping MGRN1 at the Nucleus. <i>Molecular Cell</i> , 2017, 66, 301-303.	4.5	0
1282	Proteostatic and Metabolic Control of Stemness. <i>Cell Stem Cell</i> , 2017, 20, 593-608.	5.2	101
1283	Integrins in senescence and aging. <i>Cell Cycle</i> , 2017, 16, 909-910.	1.3	21
1284	Bone Marrow-Derived Mesenchymal Stem Cells From Patients With Systemic Lupus Erythematosus Have a Senescence-Associated Secretory Phenotype Mediated by a Mitochondrial Antiviral Signaling Protein-Interferon γ Feedback Loop. <i>Arthritis and Rheumatology</i> , 2017, 69, 1623-1635.	2.9	56
1285	Isolation and identification of senescent renal tubular epithelial cells using immunomagnetic beads based on DcR2. <i>Experimental Gerontology</i> , 2017, 95, 116-127.	1.2	12
1286	Allogeneic Human Mesenchymal Stem Cell Infusions for Aging Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1505-1512.	1.7	71
1287	Age-related reduction in the expression of FOXO transcription factors and correlations with intervertebral disc degeneration. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2682-2691.	1.2	60
1288	Membrane Lipid Replacement for chronic illnesses, aging and cancer using oral glycerolphospholipid formulations with fructooligosaccharides to restore phospholipid function in cellular membranes, organelles, cells and tissues. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1704-1724.	1.4	49
1289	Endoplasmic reticulum proteostasis impairment in aging. <i>Aging Cell</i> , 2017, 16, 615-623.	3.0	177
1290	Age-dependent alterations in osteoblast and osteoclast activity in human cancellous bone. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2773-2781.	1.6	46
1291	Starvation signals in yeast are integrated to coordinate metabolic reprogramming and stress response to ensure longevity. <i>Current Genetics</i> , 2017, 63, 839-843.	0.8	74
1292	Splicing regulatory factors, ageing and age-related disease. <i>Ageing Research Reviews</i> , 2017, 36, 165-170.	5.0	48
1293	Mitophagy and age-related pathologies: Development of new therapeutics by targeting mitochondrial turnover. , 2017, 178, 157-174.		112
1294	Left ventricle transcriptomic analysis reveals connective tissue accumulation associates with initial age-dependent decline in \dot{V}_{O_2} peak from its lifetime apex. <i>Physiological Genomics</i> , 2017, 49, 53-66.	1.0	1
1295	Redox changes in the brains of reproductive female rats during aging. <i>Experimental Gerontology</i> , 2017, 87, 8-15.	1.2	3
1296	The histone methyltransferases Set5 and Set1 have overlapping functions in gene silencing and telomere maintenance. <i>Epigenetics</i> , 2017, 12, 93-104.	1.3	22
1297	Intranasal Cerebrolysin Attenuates Learning and Memory Impairments in D-galactose-Induced Senescence in Mice. <i>Experimental Gerontology</i> , 2017, 87, 16-22.	1.2	62

#	ARTICLE	IF	CITATIONS
1298	The UPR ER : Sensor and Coordinator of Organismal Homeostasis. <i>Molecular Cell</i> , 2017, 66, 761-771.	4.5	227
1299	Assessing Health Span in <i>Caenorhabditis elegans</i> : Lessons From Short-Lived Mutants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 473-480.	1.7	48
1300	The role of epigenetics in renal ageing. <i>Nature Reviews Nephrology</i> , 2017, 13, 471-482.	4.1	86
1301	Immune and myodegenerative pathomechanisms in inclusion body myositis. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 422-445.	1.7	41
1302	The emerging role of Wnt signaling dysregulation in the understanding and modification of age-associated diseases. <i>Ageing Research Reviews</i> , 2017, 37, 135-145.	5.0	51
1303	Mesenchymal Stem Cell-Based Cartilage Regeneration Approach and Cell Senescence: Can We Manipulate Cell Aging and Function?. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 529-539.	2.5	76
1304	Similarities and interactions between the ageing process and high chronic intake of added sugars. <i>Nutrition Research Reviews</i> , 2017, 30, 191-207.	2.1	18
1305	YAP/TAZ link cell mechanics to Notch signalling to control epidermal stem cell fate. <i>Nature Communications</i> , 2017, 8, 15206.	5.8	225
1306	Autophagy in the presynaptic compartment in health and disease. <i>Journal of Cell Biology</i> , 2017, 216, 1895-1906.	2.3	148
1307	Synergistic Effect of Rapamycin and Metformin Against Age-Dependent Oxidative Stress in Rat Erythrocytes. <i>Rejuvenation Research</i> , 2017, 20, 420-429.	0.9	17
1308	Optomechanical measurement of the role of lamins in whole cell deformability. <i>Journal of Biophotonics</i> , 2017, 10, 1657-1664.	1.1	3
1309	Synthetic mRNA devices that detect endogenous proteins and distinguish mammalian cells. <i>Nucleic Acids Research</i> , 2017, 45, e117-e117.	6.5	42
1310	Anticancer effects of the microbiome and its products. <i>Nature Reviews Microbiology</i> , 2017, 15, 465-478.	13.6	399
1311	A reduction in DNA damage in neural tissue and peripheral blood of old mice treated with caffeine. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017, 80, 621-629.	1.1	11
1312	The evolutionary trade-off between stem cell niche size, aging, and tumorigenesis. <i>Evolutionary Applications</i> , 2017, 10, 590-602.	1.5	16
1313	Stem Cell Applications in Rejuvenation. <i>Stem Cells in Clinical Applications</i> , 2017, , 289-319.	0.4	0
1314	Exploring a Role for Regulatory miRNAs In Wound Healing during Ageing: Involvement of miR-200c in wound repair. <i>Scientific Reports</i> , 2017, 7, 3257.	1.6	43
1315	How to get the most bang for your buck: the evolution and physiology of nutrition-dependent resource allocation strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170445.	1.2	22

#	ARTICLE	IF	CITATIONS
1316	Pancreas, Kidney and Skin Regeneration. <i>Stem Cells in Clinical Applications</i> , 2017, , .	0.4	1
1317	State transitions: a major mortality risk for seasonal species. <i>Ecology Letters</i> , 2017, 20, 883-891.	3.0	11
1318	Impaired activity of adherens junctions contributes to endothelial dilator dysfunction in ageing rat arteries. <i>Journal of Physiology</i> , 2017, 595, 5143-5158.	1.3	16
1319	Cell Division Machinery and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2017, , .	0.8	4
1320	Conserved and species-specific molecular denominators in mammalian skeletal muscle aging. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 8.	4.5	21
1322	GOLDEN anniversary of the acute respiratory distress syndrome: still much work to do!. <i>Current Opinion in Critical Care</i> , 2017, 23, 4-9.	1.6	34
1323	Molecular and physiological manifestations and measurement of aging in humans. <i>Aging Cell</i> , 2017, 16, 624-633.	3.0	323
1324	Yeast models of Parkinson's disease-associated molecular pathologies. <i>Current Opinion in Genetics and Development</i> , 2017, 44, 74-83.	1.5	49
1325	The NAD ⁺ /PARP1/SIRT1 Axis in Aging. <i>Rejuvenation Research</i> , 2017, 20, 244-247.	0.9	70
1326	A sensitive mass spectrometry platform identifies metabolic changes of life history traits in <i>C. elegans</i> . <i>Scientific Reports</i> , 2017, 7, 2408.	1.6	61
1327	Baicalein Exerts Beneficial Effects in d-Galactose-Induced Aging Rats Through Attenuation of Inflammation and Metabolic Dysfunction. <i>Rejuvenation Research</i> , 2017, 20, 506-516.	0.9	28
1328	Evolutionary perspectives on ageing. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 99-107.	2.3	18
1329	Sex-specific lifespan and its evolution in nematodes. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 122-129.	2.3	7
1330	Multi-omics analysis identifies ATF4 as a key regulator of the mitochondrial stress response in mammals. <i>Journal of Cell Biology</i> , 2017, 216, 2027-2045.	2.3	590
1331	Current Perspective in the Discovery of Anti-aging Agents from Natural Products. <i>Natural Products and Bioprospecting</i> , 2017, 7, 335-404.	2.0	86
1333	Persistent mTORC1 signaling in cell senescence results from defects in amino acid and growth factor sensing. <i>Journal of Cell Biology</i> , 2017, 216, 1949-1957.	2.3	106
1334	Convergent adaptation of cellular machineries in the evolution of large body masses and long life spans. <i>Biogerontology</i> , 2017, 18, 485-497.	2.0	8
1335	Mitotic Dysfunction Associated with Aging Hallmarks. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1002, 153-188.	0.8	28

#	ARTICLE	IF	CITATIONS
1336	Cross-sectional relations of whole blood miRNA expression levels and hand grip strength in a community sample. <i>Aging Cell</i> , 2017, 16, 888-894.	3.0	13
1337	Biology of Vascular Smooth Muscle: Vasoconstriction and Dilatation. , 2017, , .		5
1338	Lung cancer in patients with idiopathic pulmonary fibrosis. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017, 45, 1-10.	1.1	129
1339	A Class of Reactive Acyl-CoA Species Reveals the Non-enzymatic Origins of Protein Acylation. <i>Cell Metabolism</i> , 2017, 25, 823-837.e8.	7.2	205
1340	MOAG-4 promotes the aggregation of α -synuclein by competing with self-protective electrostatic interactions. <i>Journal of Biological Chemistry</i> , 2017, 292, 8269-8278.	1.6	40
1341	Apigenin suppresses the senescence-associated secretory phenotype and paracrine effects on breast cancer cells. <i>GeroScience</i> , 2017, 39, 161-173.	2.1	106
1342	Polyglutamine-Expanded Huntingtin Exacerbates Age-Related Disruption of Nuclear Integrity and Nucleocytoplasmic Transport. <i>Neuron</i> , 2017, 94, 48-57.e4.	3.8	190
1343	Huntington's Disease: Nuclear Gatekeepers Under Attack. <i>Neuron</i> , 2017, 94, 1-4.	3.8	20
1344	Targeted Apoptosis of Senescent Cells Restores Tissue Homeostasis in Response to Chemotoxicity and Aging. <i>Cell</i> , 2017, 169, 132-147.e16.	13.5	979
1345	Sab mediates mitochondrial dysfunction involved in imatinib mesylate-induced cardiotoxicity. <i>Toxicology</i> , 2017, 382, 24-35.	2.0	26
1346	Age-dependent obesity and mitochondrial dysfunction. <i>Adipocyte</i> , 2017, 6, 161-166.	1.3	15
1347	<i>Sav1</i> Loss Induces Senescence and Stat3 Activation Coinciding with Tubulointerstitial Fibrosis. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	29
1348	Age-associated DNA methylation changes in naive CD4 ⁺ T cells suggest an evolving autoimmune epigenotype in aging T cells. <i>Epigenomics</i> , 2017, 9, 429-445.	1.0	47
1349	Increased genome instability is not accompanied by sensitivity to DNA damaging agents in aged yeast cells. <i>DNA Repair</i> , 2017, 54, 1-7.	1.3	14
1350	IRE1 signaling exacerbates Alzheimer's disease pathogenesis. <i>Acta Neuropathologica</i> , 2017, 134, 489-506.	3.9	147
1351	Skin Aging. , 2017, , 711-728.		1
1352	Chemical screening identifies ATM as a target for alleviating senescence. <i>Nature Chemical Biology</i> , 2017, 13, 616-623.	3.9	119
1353	Patients with gout have short telomeres compared with healthy participants: association of telomere length with flare frequency and cardiovascular disease in gout. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 1313-1319.	0.5	14

#	ARTICLE	IF	CITATIONS
1354	Interrelations Between Mitochondrial DNA Copy Number and Inflammation in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 937-944.	1.7	25
1355	Caloric Restriction Extends Yeast Chronological Life Span by Optimizing the Snf1 (AMPK) Signaling Pathway. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	49
1356	Role of p16INK4a and BMI-1 in oxidative stress-induced premature senescence in human dental pulp stem cells. <i>Redox Biology</i> , 2017, 12, 690-698.	3.9	39
1357	Epigallocatechin gallate reverses <sc>cTnI</sc>â€low expressionâ€induced ageâ€related heart diastolic dysfunction through histone acetylation modification. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2481-2490.	1.6	24
1358	Sirtuin 7 is decreased in pulmonary fibrosis and regulates the fibrotic phenotype of lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L945-L958.	1.3	49
1359	Cytokine-induced senescence for cancer surveillance. <i>Cancer and Metastasis Reviews</i> , 2017, 36, 357-365.	2.7	14
1360	Novel insights into systemic autoimmune rheumatic diseases using shared molecular signatures and an integrative analysis. <i>Epigenetics</i> , 2017, 12, 433-440.	1.3	14
1361	From One Syndrome to Many: Incorporating Geriatric Consultation Into HIV Care. <i>Clinical Infectious Diseases</i> , 2017, 65, 501-506.	2.9	51
1362	Mitochondrial-Targeted Catalase. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 146, 203-241.	0.9	55
1363	Neuroprotective Functions for the Histone Deacetylase SIRT6. <i>Cell Reports</i> , 2017, 18, 3052-3062.	2.9	123
1364	Sirtuins and DNA damage repair: SIRT7 comes to play. <i>Nucleus</i> , 2017, 8, 107-115.	0.6	68
1365	Physiological Aging: Links Among Adipose Tissue Dysfunction, Diabetes, and Frailty. <i>Physiology</i> , 2017, 32, 9-19.	1.6	154
1366	The association between post-traumatic stress disorder and shorter telomere length: A systematic review and meta-analysis. <i>Journal of Affective Disorders</i> , 2017, 218, 322-326.	2.0	57
1368	Urinary DcR2 is a novel biomarker for tubulointerstitial injury in patients with diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F273-F281.	1.3	16
1369	Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism. <i>Genome Biology</i> , 2017, 18, 56.	3.8	164
1370	Anti-ageing properties of Khelma Longevityâ„¢: treatment of human fibroblasts increases proteasome levels and decreases the levels of oxidized proteins. <i>New Biotechnology</i> , 2017, 38, 36-39.	2.4	2
1371	Aging metabolism: intervention strategies. <i>Virulence</i> , 2017, 8, 571-576.	1.8	3
1372	Mitochondrial Sirtuins and Molecular Mechanisms of Aging. <i>Trends in Molecular Medicine</i> , 2017, 23, 320-331.	3.5	242

#	ARTICLE	IF	CITATIONS
1373	Modelling the molecular mechanisms of aging. <i>Bioscience Reports</i> , 2017, 37, .	1.1	75
1374	Changes in the mitochondrial function and in the efficiency of energy transfer pathways during cardiomyocyte aging. <i>Molecular and Cellular Biochemistry</i> , 2017, 432, 141-158.	1.4	19
1375	Retinal, NPY- and 5 ht- inputs to the aged suprachiasmatic nucleus in common marmosets (<i>Callithrix</i>) Tj ETQq0 0 0 regBT /Overlock 10 Tf	1.0	4
1376	Ochratoxin A induced premature senescence in human renal proximal tubular cells. <i>Toxicology</i> , 2017, 382, 75-83.	2.0	23
1377	Time-dependent genetic effects on gene expression implicate aging processes. <i>Genome Research</i> , 2017, 27, 545-552.	2.4	31
1378	Blue light-induced oxidative stress in live skin. <i>Free Radical Biology and Medicine</i> , 2017, 108, 300-310.	1.3	140
1379	MicroRNAs miR-203-3p, miR-664-3p and miR-708-5p are associated with median strain lifespan in mice. <i>Scientific Reports</i> , 2017, 7, 44620.	1.6	17
1380	Mitochondria in Cell Senescence: Is Mitophagy the Weakest Link?. <i>EBioMedicine</i> , 2017, 21, 7-13.	2.7	260
1381	Successful and Maladaptive T Cell Aging. <i>Immunity</i> , 2017, 46, 364-378.	6.6	250
1382	Extended Multiplexing of Tandem Mass Tags (TMT) Labeling Reveals Age and High Fat Diet Specific Proteome Changes in Mouse Epididymal Adipose Tissue. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 873-890.	2.5	240
1383	Rejuvenation by Partial Reprogramming of the Epigenome. <i>Rejuvenation Research</i> , 2017, 20, 146-150.	0.9	15
1384	Ageing: Lessons from <i>C. elegans</i> . <i>Healthy Ageing and Longevity</i> , 2017, , .	0.2	14
1385	TERT promoter mutations in telomere biology. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 771, 15-31.	2.4	155
1386	A Homeostatic Shift Facilitates Endoplasmic Reticulum Proteostasis through Transcriptional Integration of Proteostatic Stress Response Pathways. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	43
1387	Happily (n)ever after: Aging in the context of oxidative stress, proteostasis loss and cellular senescence. <i>Redox Biology</i> , 2017, 11, 482-501.	3.9	268
1388	Keeping up with the Red Queen: the pace of aging as an adaptation. <i>Biogerontology</i> , 2017, 18, 693-709.	2.0	25
1389	Glucose Transporter 1â€“Dependent Glycolysis Is Increased during Aging-Related Lung Fibrosis, and Phloretin Inhibits Lung Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 521-531.	1.4	88
1390	Life history evolution, reproduction, and the origins of sexâ€“dependent aging and longevity. <i>Annals of the New York Academy of Sciences</i> , 2017, 1389, 92-107.	1.8	76

#	ARTICLE	IF	CITATIONS
1391	Dissecting the molecular mechanisms that impair stress granule formation in aging cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 475-486.	1.9	38
1392	Using comparative biology to understand how aging affects mitochondrial metabolism. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 54-61.	1.6	12
1393	Metabolic roles of poly(ADP-ribose) polymerases. <i>Seminars in Cell and Developmental Biology</i> , 2017, 63, 135-143.	2.3	47
1394	The Fountain of Youth by Targeting Senescent Cells?. <i>Trends in Molecular Medicine</i> , 2017, 23, 6-17.	3.5	105
1395	HIV-associated cellular senescence: A contributor to accelerated aging. <i>Ageing Research Reviews</i> , 2017, 36, 117-124.	5.0	57
1396	Proteasome activation enhances stemness and lifespan of human mesenchymal stem cells. <i>Free Radical Biology and Medicine</i> , 2017, 103, 226-235.	1.3	41
1397	Analysis of Senescence-Related Differentiation Potentials and Gene Expression Profiles in Human Dental Pulp Stem Cells. <i>Cells Tissues Organs</i> , 2017, 203, 1-11.	1.3	60
1398	2,3-Dehydrosilybin A/B as a pro-longevity and anti-aggregation compound. <i>Free Radical Biology and Medicine</i> , 2017, 103, 256-267.	1.3	31
1399	Transcriptional profiling reveals protective mechanisms in brains of long-lived mice. <i>Neurobiology of Aging</i> , 2017, 52, 23-31.	1.5	18
1400	The decay of Redox-stress Response Capacity is a substantive characteristic of aging: Revising the redox theory of aging. <i>Redox Biology</i> , 2017, 11, 365-374.	3.9	86
1401	Aging: Somatic Mutations, Epigenetic Drift and Gene Dosage Imbalance. <i>Trends in Cell Biology</i> , 2017, 27, 299-310.	3.6	27
1402	Nup100 regulates <i>Saccharomyces cerevisiae</i> replicative life span by mediating the nuclear export of specific tRNAs. <i>Rna</i> , 2017, 23, 365-377.	1.6	21
1403	Intraneuronal protein aggregation as a trigger for inflammation and neurodegeneration in the aging brain. <i>FASEB Journal</i> , 2017, 31, 5-10.	0.2	92
1404	Mitochondria in complex psychiatric disorders: Lessons from mouse models of 22q11.2 deletion syndrome. <i>BioEssays</i> , 2017, 39, 1600177.	1.2	33
1405	Mitochondrial activity and dynamics changes regarding metabolism in ageing and obesity. <i>Mechanisms of Ageing and Development</i> , 2017, 162, 108-121.	2.2	77
1406	Mitochondrial Longevity Pathways. <i>Healthy Ageing and Longevity</i> , 2017, , 83-108.	0.2	2
1407	Nervous System Ageing. <i>Healthy Ageing and Longevity</i> , 2017, , 163-189.	0.2	5
1408	Aging modifies daily variation of antioxidant enzymes and oxidative status in the hippocampus. <i>Experimental Gerontology</i> , 2017, 88, 42-50.	1.2	29

#	ARTICLE	IF	CITATIONS
1409	Senescence in COPD and Its Comorbidities. Annual Review of Physiology, 2017, 79, 517-539.	5.6	190
1410	The addition of a developmental factor, <i>unc-62</i> , to already long-lived worms increases lifespan and healthspan. Biology Open, 2017, 6, 1796-1801.	0.6	1
1411	Circadian Dysregulation and Melatonin Rhythm Suppression in the Context of Aging. Healthy Ageing and Longevity, 2017, , 1-25.	0.2	2
1412	Pulmonary Diseases, a Matter of Time. Healthy Ageing and Longevity, 2017, , 27-63.	0.2	0
1413	Intercellular competition and the inevitability of multicellular aging. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12982-12987.	3.3	58
1414	Developing Circadian Therapeutics Against Age-Related Metabolic Decline. Healthy Ageing and Longevity, 2017, , 235-268.	0.2	0
1415	Circadian Clocks and mTOR Signaling. Healthy Ageing and Longevity, 2017, , 193-210.	0.2	0
1416	DLX3 promotes bone marrow mesenchymal stem cell proliferation through H19/miR-675 axis. Clinical Science, 2017, 131, 2721-2735.	1.8	15
1417	Molecular Chaperones in Neurodegenerative Diseases: A Short Review. Advances in Experimental Medicine and Biology, 2017, 987, 219-231.	0.8	15
1418	Circadian Control of Mitochondrial Dynamics and Its Implication in Aging. Healthy Ageing and Longevity, 2017, , 147-161.	0.2	1
1419	High Plasticity of New Granule Cells in the Aging Hippocampus. Cell Reports, 2017, 21, 1129-1139.	2.9	71
1420	Multigenerational silencing dynamics control cell aging. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11253-11258.	3.3	60
1421	Formal Models of Biological Systems. Advances in Experimental Medicine and Biology, 2017, 988, 325-338.	0.8	4
1422	Genome instability and aging: Cause or effect?. Translational Medicine of Aging, 2017, 1, 5-11.	0.6	22
1423	Alternative splicing in aging and age-related diseases. Translational Medicine of Aging, 2017, 1, 32-40.	0.6	28
1424	Age-associated dysregulation of protein metabolism in the mammalian oocyte. Aging Cell, 2017, 16, 1381-1393.	3.0	86
1425	Blood to Blood: A New Therapeutic Opportunity for Age-Related Diseases. , 2017, , 449-470.		1
1426	Epigenetic Drift Is a Determinant of Mammalian Lifespan. Rejuvenation Research, 2017, 20, 430-436.	0.9	38

#	ARTICLE	IF	CITATIONS
1427	Gene therapy with the <sc>TRF</sc>1 telomere gene rescues decreased <sc>TRF</sc>1 levels with aging and prolongs mouse health span. <i>Aging Cell</i> , 2017, 16, 1353-1368.	3.0	30
1428	Vitamin D deficiency accelerates ageing and age-related diseases: a novel hypothesis. <i>Journal of Physiology</i> , 2017, 595, 6825-6836.	1.3	100
1429	Vascular Smooth Muscle Cells and Arterial Stiffening: Relevance in Development, Aging, and Disease. <i>Physiological Reviews</i> , 2017, 97, 1555-1617.	13.1	466
1430	Single-Cell Analysis of Human Pancreas Reveals Transcriptional Signatures of Aging and Somatic Mutation Patterns. <i>Cell</i> , 2017, 171, 321-330.e14.	13.5	443
1431	HDAC6 Suppresses Age-Dependent Ectopic Fat Accumulation by Maintaining the Proteostasis of PLIN2 in <i>Drosophila</i> . <i>Developmental Cell</i> , 2017, 43, 99-111.e5.	3.1	28
1432	Sirt1 and Parp1 as epigenome safeguards and microRNAs as SASP-associated signals, in cellular senescence and aging. <i>Ageing Research Reviews</i> , 2017, 40, 120-141.	5.0	42
1433	Increased age-adjusted hazard of death associated with a common single nucleotide polymorphism of the human RAD52 gene in a cardiovascular cohort. <i>Mechanisms of Ageing and Development</i> , 2017, 167, 56-63.	2.2	1
1434	Translational geroscience: A new paradigm for 21st century medicine. <i>Translational Medicine of Aging</i> , 2017, 1, 1-4.	0.6	41
1435	Role of connexin 43 in different forms of intercellular communication – gap junctions, extracellular vesicles and tunnelling nanotubes. <i>Journal of Cell Science</i> , 2017, 130, 3619-3630.	1.2	119
1436	Estimating influenza vaccine effectiveness: Evolution of methods to better understand effects of confounding in older adults. <i>Vaccine</i> , 2017, 35, 6269-6274.	1.7	22
1437	Physiology of ageing of the musculoskeletal system. <i>Best Practice and Research in Clinical Rheumatology</i> , 2017, 31, 203-217.	1.4	39
1438	Reactive oxygen species as signaling molecules in the development of lung fibrosis. <i>Translational Research</i> , 2017, 190, 61-68.	2.2	67
1439	The role of declining adaptive homeostasis in ageing. <i>Journal of Physiology</i> , 2017, 595, 7275-7309.	1.3	136
1440	A Genetic Tool to Track Protein Aggregates and Control Prion Inheritance. <i>Cell</i> , 2017, 171, 966-979.e18.	13.5	61
1441	Exercise and bone health across the lifespan. <i>Biogerontology</i> , 2017, 18, 931-946.	2.0	155
1442	Pachymic acid promotes induction of autophagy related to IGF-1 signaling pathway in WI-38 cells. <i>Phytomedicine</i> , 2017, 36, 82-87.	2.3	13
1444	Polymorphonuclear Neutrophil Functions are Differentially Altered in Amnesic Mild Cognitive Impairment and Mild Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 23-42.	1.2	24
1445	Predicting Age Using Neuroimaging: Innovative Brain Ageing Biomarkers. <i>Trends in Neurosciences</i> , 2017, 40, 681-690.	4.2	608

#	ARTICLE	IF	CITATIONS
1446	Allogeneic Mesenchymal Stem Cells Ameliorate Aging Frailty: A Phase II Randomized, Double-Blind, Placebo-Controlled Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1513-1522.	1.7	107
1447	Stem Cell Transplantation for Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1503-1504.	1.7	13
1448	Hormones in Clock Regulation During Ageing. <i>Healthy Ageing and Longevity</i> , 2017, , 243-265.	0.2	1
1449	Subunit-dependent oxidative stress sensitivity of LRRC8 volume-regulated anion channels. <i>Journal of Physiology</i> , 2017, 595, 6719-6733.	1.3	46
1450	RAP80 binds p32 to preserve the functional integrity of mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 441-446.	1.0	5
1451	Regulation of Stem Cell Aging by Metabolism and Epigenetics. <i>Cell Metabolism</i> , 2017, 26, 460-474.	7.2	188
1452	Nutrition, epigenetics and health through life. <i>Nutrition Bulletin</i> , 2017, 42, 254-265.	0.8	13
1453	The system capacity view of aging and longevity. <i>Quantitative Biology</i> , 2017, 5, 251-259.	0.3	2
1454	Genomic and functional integrity of the hematopoietic system requires tolerance of oxidative DNA lesions. <i>Blood</i> , 2017, 130, 1523-1534.	0.6	29
1455	Aging and immortality in unicellular species. <i>Mechanisms of Ageing and Development</i> , 2017, 167, 5-15.	2.2	24
1456	miRNAs in stem cell aging and age-related disease. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 20-29.	2.2	32
1457	Unmasking Transcriptional Heterogeneity in Senescent Cells. <i>Current Biology</i> , 2017, 27, 2652-2660.e4.	1.8	559
1458	Dynamic proteome profiling of individual proteins in human skeletal muscle after a high-fat diet and resistance exercise. <i>FASEB Journal</i> , 2017, 31, 5478-5494.	0.2	47
1459	The relationship between reproductive and biochemical ageing at the time of the menopausal transition. <i>Experimental Gerontology</i> , 2017, 98, 162-168.	1.2	3
1460	Progressing neurobiological strategies against proteostasis failure: Challenges in neurodegeneration. <i>Progress in Neurobiology</i> , 2017, 159, 1-38.	2.8	27
1461	Physiological and Pathological Functions of Mitochondrial Proteases. , 2017, , 3-25.		3
1462	Human Immunodeficiency Virus and Aging in the Era of Effective Antiretroviral Therapy. <i>Infectious Disease Clinics of North America</i> , 2017, 31, 791-810.	1.9	40
1463	6-bromo-indirubin-3-oxime (6BIO), a Glycogen synthase kinase-3 ^β inhibitor, activates cytoprotective cellular modules and suppresses cellular senescence-mediated biomolecular damage in human fibroblasts. <i>Scientific Reports</i> , 2017, 7, 11713.	1.6	33

#	ARTICLE	IF	CITATIONS
1464	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. <i>Molecular Systems Biology</i> , 2017, 13, 939.	3.2	42
1465	A progressive reduction in autophagic capacity contributes to induction of replicative senescence in Hs68 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 92, 18-25.	1.2	8
1466	Tissue-, sex-, and age-specific DNA methylation of rat glucocorticoid receptor gene promoter and insulin-like growth factor 2 imprinting control region. <i>Physiological Genomics</i> , 2017, 49, 690-702.	1.0	12
1467	Autophagy, its mechanisms and regulation: Implications in neurodegenerative diseases. <i>Ageing Research Reviews</i> , 2017, 40, 64-74.	5.0	79
1468	Rapamycin treatment attenuates age-associated periodontitis in mice. <i>GeroScience</i> , 2017, 39, 457-463.	2.1	61
1469	Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. <i>Ageing Research Reviews</i> , 2017, 40, 95-119.	5.0	337
1470	NAD + in Aging: Molecular Mechanisms and Translational Implications. <i>Trends in Molecular Medicine</i> , 2017, 23, 899-916.	3.5	333
1471	Cell reprogramming: Therapeutic potential and the promise of rejuvenation for the aging brain. <i>Ageing Research Reviews</i> , 2017, 40, 168-181.	5.0	23
1472	Determinants and Regulation of Protein Turnover in Yeast. <i>Cell Systems</i> , 2017, 5, 283-294.e5.	2.9	85
1473	The chromatin accessibility signature of human immune aging stems from CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 3123-3144.	4.2	150
1474	Caloric Restriction Promotes Structural and Metabolic Changes in the Skin. <i>Cell Reports</i> , 2017, 20, 2678-2692.	2.9	48
1475	4D Analysis of Facial Ageing Using Dynamic Features. <i>Procedia Computer Science</i> , 2017, 112, 790-799.	1.2	4
1476	Chaperone-directed ubiquitylation maintains proteostasis at the expense of longevity. <i>Worm</i> , 2017, 6, e1371403.	1.0	0
1477	Lung Diseases of the Elderly. <i>Clinics in Geriatric Medicine</i> , 2017, 33, 473-490.	1.0	17
1478	Improving mitochondrial function significantly reduces metabolic, visual, motor and cognitive decline in aged <i>Drosophila melanogaster</i> . <i>Neurobiology of Aging</i> , 2017, 60, 34-43.	1.5	33
1479	IPF lung fibroblasts have a senescent phenotype. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L1164-L1173.	1.3	219
1480	Nucleolar expansion and elevated protein translation in premature aging. <i>Nature Communications</i> , 2017, 8, 328.	5.8	190
1481	Vascular aging: Molecular mechanisms and potential treatments for vascular rejuvenation. <i>Ageing Research Reviews</i> , 2017, 37, 94-116.	5.0	64

#	ARTICLE	IF	CITATIONS
1482	Molecular Mechanisms Determining Lifespan in Short- and Long-Lived Species. Trends in Endocrinology and Metabolism, 2017, 28, 722-734.	3.1	81
1483	Promoting Drp1-mediated mitochondrial fission in midlife prolongs healthy lifespan of Drosophila melanogaster. Nature Communications, 2017, 8, 448.	5.8	209
1484	Aging: rewiring the circadian clock. Nature Structural and Molecular Biology, 2017, 24, 687-688.	3.6	5
1485	Inflammaging and the Lung. Clinics in Geriatric Medicine, 2017, 33, 459-471.	1.0	40
1486	Benzoate and Sorbate Salts: A Systematic Review of the Potential Hazards of These Invaluable Preservatives and the Expanding Spectrum of Clinical Uses for Sodium Benzoate. Comprehensive Reviews in Food Science and Food Safety, 2017, 16, 868-880.	5.9	103
1487	The emerging role of alternative splicing in senescence and aging. Aging Cell, 2017, 16, 918-933.	3.0	141
1488	Inflammation and premature aging in advanced chronic kidney disease. American Journal of Physiology - Renal Physiology, 2017, 313, F938-F950.	1.3	176
1489	Evaluating aged mice in three touchscreen tests that differ in visual demands: Impaired cognitive function and impaired visual abilities. Behavioural Brain Research, 2017, 333, 142-149.	1.2	14
1490	The Biology of Aging and Cancer. Cancer Journal (Sudbury, Mass), 2017, 23, 201-205.	1.0	65
1491	Human T cell immunosenescence and inflammation in aging. Journal of Leukocyte Biology, 2017, 102, 977-988.	1.5	203
1492	The Changing Face of Aging: Highly Sulfated Glycosaminoglycans Induce Amyloid Formation in a Lattice Corneal Dystrophy Model Protein. Journal of Molecular Biology, 2017, 429, 2755-2764.	2.0	6
1493	Obstructive Sleep Apnea and Hallmarks of Aging. Trends in Molecular Medicine, 2017, 23, 675-692.	3.5	56
1494	Immunosenescence Induced by Plasma from Individuals with Obesity Caused Cell Signaling Dysfunction and Inflammation. Obesity, 2017, 25, 1523-1531.	1.5	23
1495	Resilient protein co-expression network in male orbitofrontal cortex layer 2/3 during human aging. Neurobiology of Aging, 2017, 58, 180-190.	1.5	10
1496	A Tissue Engineered Model of Aging: Interdependence and Cooperative Effects in Failing Tissues. Scientific Reports, 2017, 7, 5051.	1.6	14
1497	Sustainable Nutrition in a Changing World. , 2017, , .		8
1498	A novel method to quantify base substitution mutations at the 10 ⁻⁶ per bp level in DNA samples. Cancer Letters, 2017, 403, 152-158.	3.2	8
1499	Eco-Aging: stem cells and microbes are controlled by aging antagonist FoxO. Current Opinion in Microbiology, 2017, 38, 181-187.	2.3	26

#	ARTICLE	IF	CITATIONS
1500	NAD+ Deficits in Age-Related Diseases and Cancer. Trends in Cancer, 2017, 3, 593-610.	3.8	41
1501	Redox homeostasis and age-related deficits in neuromuscular integrity and function. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 881-906.	2.9	38
1502	Innate immune sensing of cytosolic chromatin fragments through cGAS promotes senescence. Nature Cell Biology, 2017, 19, 1061-1070.	4.6	741
1503	Fish oil diet may reduce inflammatory levels in the liver of middle-aged rats. Scientific Reports, 2017, 7, 6241.	1.6	14
1504	Subclinical Atherosclerosis, Cardiac and Kidney Function, Heart Failure, and Dementia in the Very Elderly. Journal of the American Heart Association, 2017, 6, .	1.6	12
1505	Repair or destruction—an intimate liaison between ubiquitin ligases and molecular chaperones in proteostasis. FEBS Letters, 2017, 591, 2616-2635.	1.3	39
1506	What modulates animal longevity? Fast and slow aging in bivalves as a model for the study of lifespan. Seminars in Cell and Developmental Biology, 2017, 70, 130-140.	2.3	30
1507	Why and how are we living longer?. Experimental Physiology, 2017, 102, 1067-1074.	0.9	66
1508	Licence to kill senescent cells in idiopathic pulmonary fibrosis?. European Respiratory Journal, 2017, 50, 1701360.	3.1	16
1509	Good Olé™ Fat: Links between Lipid Signaling and Longevity. Trends in Biochemical Sciences, 2017, 42, 812-823.	3.7	39
1510	Shared molecular and cellular mechanisms of premature ageing and ageing-associated diseases. Nature Reviews Molecular Cell Biology, 2017, 18, 595-609.	16.1	217
1511	Aged Stem Cells Reprogram Their Daily Rhythmic Functions to Adapt to Stress. Cell, 2017, 170, 678-692.e20.	13.5	189
1512	Cardiac and systemic rejuvenation after cardiosphere-derived cell therapy in senescent rats. European Heart Journal, 2017, 38, 2957-2967.	1.0	65
1513	Secrets from immortal worms: What can we learn about biological ageing from the planarian model system?. Seminars in Cell and Developmental Biology, 2017, 70, 108-121.	2.3	35
1514	Preparation of Plasma Membrane Vesicles from Bone Marrow Mesenchymal Stem Cells for Potential Cytoplasm Replacement Therapy. Journal of Visualized Experiments, 2017, , .	0.2	7
1515	Supply and Demand of Energy in the Oocyte and the Role of Mitochondria. Results and Problems in Cell Differentiation, 2017, 63, 373-387.	0.2	10
1516	In vitro studies to evaluate the effect of varying culture conditions and IPL fluencies on tenocyte activities. Lasers in Medical Science, 2017, 32, 1561-1570.	1.0	4
1517	Molecular signatures of longevity: Insights from cross-species comparative studies. Seminars in Cell and Developmental Biology, 2017, 70, 190-203.	2.3	88

#	ARTICLE	IF	CITATIONS
1518	Role of pattern recognition receptors of the neurovascular unit in inflamm-aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H1000-H1012.	1.5	43
1519	The companion dog as a unique translational model for aging. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 141-153.	2.3	42
1520	Autophagy counteracts weight gain, lipotoxicity and pancreatic β -cell death upon hypercaloric pro-diabetic regimens. <i>Cell Death and Disease</i> , 2017, 8, e2970-e2970.	2.7	78
1521	Senolytic drugs target alveolar epithelial cell function and attenuate experimental lung fibrosis <i>in vivo</i> . <i>European Respiratory Journal</i> , 2017, 50, 1602367.	3.1	267
1522	<i>In vivo</i> imaging reveals mitophagy independence in the maintenance of axonal mitochondria during normal aging. <i>Aging Cell</i> , 2017, 16, 1180-1190.	3.0	32
1523	Autophagy in stem cell aging. <i>Aging Cell</i> , 2017, 16, 912-915.	3.0	103
1524	Mesenchymal Stem Cells for Frailty?. <i>Rejuvenation Research</i> , 2017, 20, 525-529.	0.9	7
1525	Inhibitory effect of vitamin C on intrinsic aging in human dermal fibroblasts and hairless mice. <i>Food Science and Biotechnology</i> , 2018, 27, 555-564.	1.2	7
1526	Immunoproteasomes Control the Homeostasis of Medullary Thymic Epithelial Cells by Alleviating Proteotoxic Stress. <i>Cell Reports</i> , 2017, 21, 2558-2570.	2.9	16
1527	Towards a global initiative for fibrosis treatment (GIFT). <i>ERJ Open Research</i> , 2017, 3, 00106-2017.	1.1	5
1528	Interleukin-6 Affects Aging-Related Changes of the PPAR α -PGC-1 α Axis in the Myocardium. <i>Journal of Interferon and Cytokine Research</i> , 2017, 37, 513-521.	0.5	9
1529	Mitochondrial Dysfunction in Pulmonary Fibrosis. <i>Annals of the American Thoracic Society</i> , 2017, 14, S383-S388.	1.5	72
1530	Ubisol-Q10 (a Nanomicellar Water-Soluble Formulation of CoQ10) Treatment Inhibits Alzheimer-Type Behavioral and Pathological Symptoms in a Double Transgenic Mouse (TgAPE _{swe} , PSEN1 _{dE9}) Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 221-236.	1.2	46
1531	A null mutation in <i>SERPINE1</i> protects against biological aging in humans. <i>Science Advances</i> , 2017, 3, eaao1617.	4.7	95
1532	Vitamins Associated with Brain Aging, Mild Cognitive Impairment, and Alzheimer Disease: Biomarkers, Epidemiological and Experimental Evidence, Plausible Mechanisms, and Knowledge Gaps. <i>Advances in Nutrition</i> , 2017, 8, 958-970.	2.9	56
1533	Endogenous Stem Cells in Homeostasis and Aging. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 679-698.	1.6	14
1534	Health benefits of late-onset metformin treatment every other week in mice. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 16.	4.5	49
1535	Aging Schwann cells: mechanisms, implications, future directions. <i>Current Opinion in Neurobiology</i> , 2017, 47, 203-208.	2.0	34

#	ARTICLE	IF	CITATIONS
1536	Mitochondrial gene polymorphism is associated with gut microbial communities in mice. <i>Scientific Reports</i> , 2017, 7, 15293.	1.6	49
1537	Age-related Changes in Bone Marrow Mesenchymal Stromal Cells. <i>Cell Transplantation</i> , 2017, 26, 1520-1529.	1.2	170
1538	<i>Rhodiola rosea</i> L.: an Herb with Anti-Stress, Anti-Aging, and Immunostimulating Properties for Cancer Chemoprevention. <i>Current Pharmacology Reports</i> , 2017, 3, 384-395.	1.5	65
1539	Emerging candidate treatment strategies for Hutchinson-Gilford progeria syndrome. <i>Biochemical Society Transactions</i> , 2017, 45, 1279-1293.	1.6	18
1540	Predicting age by mining electronic medical records with deep learning characterizes differences between chronological and physiological age. <i>Journal of Biomedical Informatics</i> , 2017, 76, 59-68.	2.5	28
1541	Mitochondrial Stress Restores the Heat Shock Response and Prevents Proteostasis Collapse during Aging. <i>Cell Reports</i> , 2017, 21, 1481-1494.	2.9	131
1542	Genetic variation in glia-neuron signalling modulates ageing rate. <i>Nature</i> , 2017, 551, 198-203.	13.7	49
1543	Xenohormesis in early life: New avenues of research to explore anti-aging strategies through the maternal diet. <i>Medical Hypotheses</i> , 2017, 109, 126-130.	0.8	2
1544	Modulation of telomere protection by the PI3K/AKT pathway. <i>Nature Communications</i> , 2017, 8, 1278.	5.8	47
1545	Genetics of aging and longevity. <i>Russian Journal of Genetics: Applied Research</i> , 2017, 7, 369-384.	0.4	7
1546	P49/STRAP, a serum response factor binding protein (SRFBP1), is involved in the redistribution of cytoskeletal f-actin proteins during glucose deprivation. <i>Journal of Nutrition, Health and Aging</i> , 2017, 21, 1142-1150.	1.5	4
1547	Why we age – a new evolutionary view. <i>Biologia (Poland)</i> , 2017, 72, 475-485.	0.8	0
1548	Nicotinamide adenine dinucleotide replenishment rescues colon degeneration in aged mice. <i>Signal Transduction and Targeted Therapy</i> , 2017, 2, 17017.	7.1	22
1549	Biophysical and biomolecular determination of cellular age in humans. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	74
1550	Novel strategies for anti-aging drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 955-966.	2.5	56
1551	Differential adiponectin signalling couples ER stress with lipid metabolism to modulate ageing in <i>C. elegans</i> . <i>Scientific Reports</i> , 2017, 7, 5115.	1.6	23
1552	Topoisomerase III ² and its role in different biological contexts. <i>Archives of Biochemistry and Biophysics</i> , 2017, 633, 78-84.	1.4	24
1553	Diverse interventions that extend mouse lifespan suppress shared age-associated epigenetic changes at critical gene regulatory regions. <i>Genome Biology</i> , 2017, 18, 58.	3.8	147

#	ARTICLE	IF	CITATIONS
1554	Cancer-related cognitive impairment in older adults. <i>Current Opinion in Supportive and Palliative Care</i> , 2017, 11, 60-69.	0.5	9
1555	FANCM, BRCA1, and BLM cooperatively resolve the replication stress at the ALT telomeres. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5940-E5949.	3.3	101
1556	Nuclear ubiquitin C-terminal hydrolase L5 expression associates with increased patient survival in pancreatic ductal adenocarcinoma. <i>Tumor Biology</i> , 2017, 39, 101042831771041.	0.8	12
1558	Changes of Protein Turnover in Aging <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1621-1633.	2.5	46
1559	Geroscience and the trans-NIH Geroscience Interest Group, GSIG. <i>GeroScience</i> , 2017, 39, 1-5.	2.1	131
1560	Recruitment of endogenous CNS stem cells for regeneration in demyelinating disease. <i>Progress in Brain Research</i> , 2017, 231, 135-163.	0.9	13
1561	Aging and Caloric Restriction Research: A Biological Perspective With Translational Potential. <i>EBioMedicine</i> , 2017, 21, 37-44.	2.7	115
1562	Functionally and morphologically damaged mitochondria observed in auditory cells under senescence-inducing stress. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 2.	4.5	47
1563	Biphasic Modeling of Mitochondrial Metabolism Dysregulation during Aging. <i>Trends in Biochemical Sciences</i> , 2017, 42, 702-711.	3.7	36
1564	Epigenetic mechanisms during ageing and neurogenesis as novel therapeutic avenues in human brain disorders. <i>Clinical Epigenetics</i> , 2017, 9, 67.	1.8	108
1565	Basic Biology of Oxidative Stress and the Cardiovascular System. <i>Journal of the American College of Cardiology</i> , 2017, 70, 196-211.	1.2	171
1566	Transcriptional Signatures of Aging. <i>Journal of Molecular Biology</i> , 2017, 429, 2427-2437.	2.0	136
1567	The Piwi-RNA pathway: road to immortality. <i>Aging Cell</i> , 2017, 16, 906-911.	3.0	39
1568	Genome-wide transcriptomics of aging in the rotifer <i>Brachionus manjavacas</i> , an emerging model system. <i>BMC Genomics</i> , 2017, 18, 217.	1.2	42
1569	Distribution pattern following systemic mesenchymal stem cell injection depends on the age of the recipient and neuronal health. <i>Stem Cell Research and Therapy</i> , 2017, 8, 85.	2.4	30
1570	Proteostasis in cardiac health and disease. <i>Nature Reviews Cardiology</i> , 2017, 14, 637-653.	6.1	133
1571	Effects of bioactive compounds on senescence and components of senescence associated secretory phenotypes in vitro. <i>Food and Function</i> , 2017, 8, 2394-2418.	2.1	57
1572	Postmenopausal osteoporosis in rheumatoid arthritis: The estrogen deficiency-immune mechanisms link. <i>Bone</i> , 2017, 103, 102-115.	1.4	65

#	ARTICLE	IF	CITATIONS
1573	Masters Athletes: Exemplars of Successful Aging?. Journal of Aging and Physical Activity, 2017, 25, 490-500.	0.5	52
1574	The origin of life at the origin of ageing?. Ageing Research Reviews, 2017, 35, 297-300.	5.0	2
1575	Oncogene-Induced Senescence. Methods in Molecular Biology, 2017, , .	0.4	4
1576	Exploring the power of yeast to model aging and age-related neurodegenerative disorders. Biogerontology, 2017, 18, 3-34.	2.0	36
1577	Design, synthesis of allosteric peptide activator for human SIRT1 and its biological evaluation in cellular model of Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 127, 909-916.	2.6	27
1578	Mechanisms of lung aging. Cell and Tissue Research, 2017, 367, 469-480.	1.5	111
1579	Age-related small vessel disease: a potential contributor to neurodegeneration in multiple sclerosis. Brain Pathology, 2017, 27, 707-722.	2.1	44
1581	Dictyostelium discoideum: A Model System to Study Autophagy Mediated Life Extension. , 2017, , 35-55.		1
1582	Membrane damage by betulinic acid provides insights into cellular aging. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3129-3143.	1.1	19
1583	Detection of Senescent Cells by Extracellular Markers Using a Flow Cytometry-Based Approach. Methods in Molecular Biology, 2017, 1534, 147-153.	0.4	9
1584	Aging, metabolism and stem cells: Spotlight on muscle stem cells. Molecular and Cellular Endocrinology, 2017, 445, 109-117.	1.6	33
1585	Extracellular <sc>RNA</sc> in aging. Wiley Interdisciplinary Reviews RNA, 2017, 8, e1385.	3.2	25
1586	Intracellular signalling pathways: targets to reverse immunosenescence. Clinical and Experimental Immunology, 2016, 187, 35-43.	1.1	46
1587	miRNA-34b is directly involved in the aging of macrophages. Aging Clinical and Experimental Research, 2017, 29, 599-607.	1.4	4
1588	Anti-aging effect of riboflavin via endogenous antioxidant in fruit fly Drosophila melanogaster. Journal of Nutrition, Health and Aging, 2017, 21, 314-319.	1.5	30
1589	Declined Expression of Histone Deacetylase 6 Contributes to Periodontal Ligament Stem Cell Aging. Journal of Periodontology, 2017, 88, e12-e23.	1.7	20
1590	Comparison of intermittent fasting versus caloric restriction in obese subjects: A two year follow-up. Journal of Nutrition, Health and Aging, 2017, 21, 681-685.	1.5	35
1591	SIRT1 Overexpression in Mouse Hippocampus Induces Cognitive Enhancement Through Proteostatic and Neurotrophic Mechanisms. Molecular Neurobiology, 2017, 54, 5604-5619.	1.9	89

#	ARTICLE	IF	CITATIONS
1592	Enhanced Molecular Aging in Late-Life Depression: the Senescent-Associated Secretory Phenotype. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 64-72.	0.6	50
1593	Anti-aging active ingredients from herbs and nutraceuticals used in traditional Chinese medicine: pharmacological mechanisms and implications for drug discovery. <i>British Journal of Pharmacology</i> , 2017, 174, 1395-1425.	2.7	238
1594	The Longitudinal Study of Aging in Human Young Adults: Knowledge Gaps and Research Agenda. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 210-215.	1.7	135
1595	Lack of association between PBMC telomere length and endurance exercise. <i>Journal of Applied Biomedicine</i> , 2017, 15, 9-13.	0.6	10
1596	Development and diabetes on the fly. <i>Mechanisms of Development</i> , 2017, 144, 150-155.	1.7	12
1597	The Effects of Aging and Sex Steroid Deficiency on the Murine Skeleton Are Independent and Mechanistically Distinct. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 560-574.	3.1	91
1598	A reverse genetics cell-based evaluation of genes linked to healthy human tissue age. <i>FASEB Journal</i> , 2017, 31, 96-108.	0.2	9
1599	Immune and inflammatory responses to DNA damage in cancer and aging. <i>Mechanisms of Ageing and Development</i> , 2017, 165, 10-16.	2.2	32
1600	Frontline Science: Tryptophan restriction arrests B cell development and enhances microbial diversity in WT and prematurely aging <i>Ercc1^{fl/fl}</i> mice. <i>Journal of Leukocyte Biology</i> , 2017, 101, 811-821.	1.5	26
1601	MicroRNAs in a hypertrophic heart: from foetal life to adulthood. <i>Biological Reviews</i> , 2017, 92, 1314-1331.	4.7	8
1602	Embryonic stem cells: a novel paradigm to study proteostasis?. <i>FEBS Journal</i> , 2017, 284, 391-398.	2.2	29
1603	Review: Astrocytes in Alzheimer's disease and other age-associated dementias: a supporting player with a central role. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 281-298.	1.8	166
1604	Repeated intraspecific divergence in life span and aging of African annual fishes along an aridity gradient. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 386-402.	1.1	60
1605	Insights into mortality patterns and causes of death through a process point of view model. <i>Biogerontology</i> , 2017, 18, 149-170.	2.0	5
1606	The emerging role of ECM crosslinking in T cell mobility as a hallmark of immunosenescence in humans. <i>Ageing Research Reviews</i> , 2017, 35, 322-335.	5.0	45
1607	Diosmin-induced senescence, apoptosis and autophagy in breast cancer cells of different p53 status and ERK activity. <i>Toxicology Letters</i> , 2017, 265, 117-130.	0.4	69
1608	Melatonin: Protection against age-related cardiac pathology. <i>Ageing Research Reviews</i> , 2017, 35, 336-349.	5.0	58
1609	Epigenetic mechanisms underlying lifespan and age-related effects of dietary restriction and the ketogenic diet. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 33-40.	1.6	31

#	ARTICLE	IF	CITATIONS
1610	Autolysosome biogenesis and developmental senescence are regulated by both Spns1 and v-ATPase. <i>Autophagy</i> , 2017, 13, 386-403.	4.3	49
1611	Cellular Senescence, Immunosenescence and HIV. <i>Interdisciplinary Topics in Gerontology and Geriatrics</i> , 2017, 42, 28-46.	2.6	28
1612	Disentangling the effect of dietary restriction on mitochondrial function using recombinant inbred mice. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 41-53.	1.6	15
1613	Aging asymmetry: systematic survey of changes in age-related biomarkers in the annual fish <i>Nothobranchius guentheri</i> . <i>Fish Physiology and Biochemistry</i> , 2017, 43, 309-319.	0.9	18
1614	Lung ageing and COPD: is there a role for ageing in abnormal tissue repair?. <i>European Respiratory Review</i> , 2017, 26, 170073.	3.0	130
1615	How can I protect my telomeres and slow aging?. <i>Biyokimya Dergisi</i> , 2017, 42, 587-590.	0.1	3
1616	Linking biological and physical aging: Dynamical scaling of multicellular regeneration. <i>Physical Review E</i> , 2017, 96, 062418.	0.8	8
1617	Ras signaling in aging and metabolic regulation. <i>Nutrition and Healthy Aging</i> , 2017, 4, 195-205.	0.5	44
1618	Biology of premature ageing in survivors of cancer. <i>ESMO Open</i> , 2017, 2, e000250.	2.0	148
1619	Caspase-2 deficiency enhances whole-body carbohydrate utilisation and prevents high-fat diet-induced obesity. <i>Cell Death and Disease</i> , 2017, 8, e3136-e3136.	2.7	20
1620	Biomarkers of aging associated with past treatments in breast cancer survivors. <i>Npj Breast Cancer</i> , 2017, 3, 50.	2.3	36
1621	Eleven Telomere, Epigenetic Clock, and Biomarker-Composite Quantifications of Biological Aging: Do They Measure the Same Thing?. <i>American Journal of Epidemiology</i> , 2018, 187, 1220-1230.	1.6	216
1622	Targeting NAD ⁺ in Metabolic Disease: New Insights Into an Old Molecule. <i>Journal of the Endocrine Society</i> , 2017, 1, 816-835.	0.1	68
1623	Comparison of cortisol and inflammatory response between aged and middle-aged patients undergoing total hip arthroplasty: a prospective observational study. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 541.	0.8	6
1624	Endocrinology of cancer and age: Early and late developmental stages. <i>Advances in Gerontology</i> , 2017, 7, 184-194.	0.1	0
1626	Nucleosome remodelling, DNA repair and transcriptional regulation build negative feedback loops in cancer and cellular ageing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160473.	1.8	23
1627	Cytochrome P450-2E1 is involved in aging-related kidney damage in mice through increased nitroxidative stress. <i>Food and Chemical Toxicology</i> , 2017, 109, 48-59.	1.8	14
1628	Effects of Diet on Telomere Length: Systematic Review and Meta-Analysis. <i>Public Health Genomics</i> , 2017, 20, 286-292.	0.6	33

#	ARTICLE	IF	CITATIONS
1629	In vivo Mitophagy Monitoring in <i>Caenorhabditis elegans</i> to Determine Mitochondrial Homeostasis. <i>Bio-protocol</i> , 2017, 7, .	0.2	9
1630	Is Senescence Important in Hepatic Diseases?. , 2017, , .		0
1631	Prospective Epigenetic Paradigms and Models for Cellular Senescence and Epithelialâ€“Mesenchymal Transition in Organismal Development and Aging. , 2017, , 279-298.		0
1632	The Biology of Aging and Cancer: Frailty, Inflammation, and Immunity. <i>Cancer Journal (Sudbury, Mass)</i> , 2017, 23, 201-205.	1.0	27
1633	Effects of Resveratrol and Other Polyphenols on the Most Common Brain Age-Related Diseases. <i>Current Medicinal Chemistry</i> , 2017, 24, 4245-4266.	1.2	60
1634	Differential control of ageing and lifespan by isoforms and splice variants across the mTOR network. <i>Essays in Biochemistry</i> , 2017, 61, 349-368.	2.1	10
1635	Docking Studies and Biological Evaluation of a Potential Î²-Secretase Inhibitor of 3-Hydroxyhericenone F from <i>Hericium erinaceus</i> . <i>Frontiers in Pharmacology</i> , 2017, 8, 219.	1.6	15
1636	DAF-16/FOXO Transcription Factor in Aging and Longevity. <i>Frontiers in Pharmacology</i> , 2017, 8, 548.	1.6	166
1637	Quantitative and Systems Pharmacology 3. Network-Based Identification of New Targets for Natural Products Enables Potential Uses in Aging-Associated Disorders. <i>Frontiers in Pharmacology</i> , 2017, 8, 747.	1.6	38
1638	Potential Therapeutic Effects of Lipoic Acid on Memory Deficits Related to Aging and Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2017, 8, 849.	1.6	60
1639	Emerging Molecular Pathways Governing Dietary Regulation of Neural Stem Cells during Aging. <i>Frontiers in Physiology</i> , 2017, 8, 17.	1.3	11
1640	Arginase-II Deficiency Extends Lifespan in Mice. <i>Frontiers in Physiology</i> , 2017, 8, 682.	1.3	33
1641	Promising Links between Meditation and Reduced (Brain) Aging: An Attempt to Bridge Some Gaps between the Alleged Fountain of Youth and the Youth of the Field. <i>Frontiers in Psychology</i> , 2017, 8, 860.	1.1	22
1642	The Co-Expression Pattern of p63 and HDAC1: A Potential Way to Disclose Stem Cells in Interfollicular Epidermis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1360.	1.8	11
1643	Aging and sarcopenia associate with specific interactions between gut microbes, serum biomarkers and host physiology in rats. <i>Aging</i> , 2017, 9, 1698-1720.	1.4	82
1644	Sulforaphane-Induced Cell Cycle Arrest and Senescence are accompanied by DNA Hypomethylation and Changes in microRNA Profile in Breast Cancer Cells. <i>Theranostics</i> , 2017, 7, 3461-3477.	4.6	146
1645	From rapalogs to anti-aging formula. <i>Oncotarget</i> , 2017, 8, 35492-35507.	0.8	74
1646	The Biology of Aging and Cancer: A Brief Overview of Shared and Divergent Molecular Hallmarks. , 2017, 8, 628.		238

#	ARTICLE	IF	CITATIONS
1647	Common methods of biological age estimation. <i>Clinical Interventions in Aging</i> , 2017, Volume 12, 759-772.	1.3	92
1648	Ginsenoside Rg3 Prevents Oxidative Stress-Induced Astrocytic Senescence and Ameliorates Senescence Paracrine Effects on Glioblastoma. <i>Molecules</i> , 2017, 22, 1516.	1.7	33
1649	Mitochondrial Metabolism-Mediated Regulation of Adult Neurogenesis. <i>Brain Plasticity</i> , 2017, 3, 73-87.	1.9	74
1650	Does eating less make you live longer and better? An update on calorie restriction. <i>Clinical Interventions in Aging</i> , 2017, Volume 12, 1887-1902.	1.3	40
1651	Cryptomphalus aspersa Mollusc Egg Extract Promotes Regenerative Effects in Human Dermal Papilla Stem Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 463.	1.8	9
1652	Cancer Epigenetics. , 2017, , 519-534.		2
1653	Approaches for extending human healthspan: from antioxidants to healthspan pharmacology. <i>Essays in Biochemistry</i> , 2017, 61, 389-399.	2.1	13
1654	Cellular Senescence Is Associated With Human Retinal Microaneurysm Formation During Aging. , 2017, 58, 2832.		35
1655	Omics Approaches for Identifying Physiological Adaptations to Genome Instability in Aging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2329.	1.8	3
1656	Intrinsic Disorder in Proteins with Pathogenic Repeat Expansions. <i>Molecules</i> , 2017, 22, 2027.	1.7	49
1657	Herba Cistanches: Anti-aging. , 2017, 8, 740.		41
1658	Independent impacts of aging on mitochondrial DNA quantity and quality in humans. <i>BMC Genomics</i> , 2017, 18, 890.	1.2	116
1659	Recent Advances in Understanding Werner Syndrome. <i>F1000Research</i> , 2017, 6, 1779.	0.8	58
1660	Cellular Regulation of Amyloid Formation in Aging and Disease. <i>Frontiers in Neuroscience</i> , 2017, 11, 64.	1.4	70
1661	The Effect of Polyphenols on Protein Degradation Pathways: Implications for Neuroprotection. <i>Molecules</i> , 2017, 22, 159.	1.7	35
1662	Myelinodegeneration and Its Influence on Pain: Aging, Diets, and Genetic Dysregulation. , 2017, , 47-64.		1
1663	Autophagy in the Vertebrate Inner Ear. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 56.	1.8	22
1664	Current Insights to Regulation and Role of Telomerase in Human Diseases. <i>Antioxidants</i> , 2017, 6, 17.	2.2	51

#	ARTICLE	IF	CITATIONS
1665	The Ageing Brain: Effects on DNA Repair and DNA Methylation in Mice. <i>Genes</i> , 2017, 8, 75.	1.0	28
1666	Absence of Correlation between Chimeric RNA and Aging. <i>Genes</i> , 2017, 8, 386.	1.0	3
1667	The Mitochondrial Basis of Aging and Age-Related Disorders. <i>Genes</i> , 2017, 8, 398.	1.0	228
1668	BAG2 Interferes with CHIP-Mediated Ubiquitination of HSP72. <i>International Journal of Molecular Sciences</i> , 2017, 18, 69.	1.8	11
1669	The Impacts of Cellular Senescence in Elderly Pneumonia and in Age-Related Lung Diseases That Increase the Risk of Respiratory Infections. <i>International Journal of Molecular Sciences</i> , 2017, 18, 503.	1.8	44
1670	Autophagy and Microglia: Novel Partners in Neurodegeneration and Aging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 598.	1.8	253
1671	NutrimiRAging: Micromanaging Nutrient Sensing Pathways through Nutrition to Promote Healthy Aging. <i>International Journal of Molecular Sciences</i> , 2017, 18, 915.	1.8	25
1672	Fueling Inflamm-Aging through Mitochondrial Dysfunction: Mechanisms and Molecular Targets. <i>International Journal of Molecular Sciences</i> , 2017, 18, 933.	1.8	127
1673	Proteostasis of Huntingtin in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1568.	1.8	42
1674	The Role of p16INK4a Pathway in Human Epidermal Stem Cell Self-Renewal, Aging and Cancer. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1591.	1.8	51
1675	Metabolic and Genetic Markers of Biological Age. <i>Frontiers in Genetics</i> , 2017, 8, 64.	1.1	27
1676	The Atg8 Family of Proteins Modulating Shape and Functionality of Autophagic Membranes. <i>Frontiers in Genetics</i> , 2017, 8, 109.	1.1	36
1677	Hepatic S6K1 Partially Regulates Lifespan of Mice with Mitochondrial Complex I Deficiency. <i>Frontiers in Genetics</i> , 2017, 8, 113.	1.1	17
1678	Translating Measures of Biological Aging to Test Effectiveness of Geroprotective Interventions: What Can We Learn from Research on Telomeres?. <i>Frontiers in Genetics</i> , 2017, 8, 164.	1.1	27
1679	Inflammatory Long Pentraxin 3 is Associated with Leukocyte Telomere Length in Night-Shift Workers. <i>Frontiers in Immunology</i> , 2017, 8, 516.	2.2	39
1680	Telomere Shortening, Inflammatory Cytokines, and Anti-Cytomegalovirus Antibody Follow Distinct Age-Associated Trajectories in Humans. <i>Frontiers in Immunology</i> , 2017, 8, 1027.	2.2	48
1681	Chronic Inflammation in Immune Aging: Role of Pattern Recognition Receptor Crosstalk with the Telomere Complex?. <i>Frontiers in Immunology</i> , 2017, 8, 1078.	2.2	77
1682	Impact of Age, Caloric Restriction, and Influenza Infection on Mouse Gut Microbiome: An Exploratory Study of the Role of Age-Related Microbiome Changes on Influenza Responses. <i>Frontiers in Immunology</i> , 2017, 8, 1164.	2.2	77

#	ARTICLE	IF	CITATIONS
1683	Septic Shock and the Aging Process: A Molecular Comparison. <i>Frontiers in Immunology</i> , 2017, 8, 1389.	2.2	9
1684	How Endothelial Cells Adapt Their Metabolism to Form Vessels in Tumors. <i>Frontiers in Immunology</i> , 2017, 8, 1750.	2.2	89
1685	A Life-Long Approach to Physical Activity for Brain Health. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 147.	1.7	52
1686	Greater Cortical Thickness in Elderly Female Yoga Practitionersâ€”A Cross-Sectional Study. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 201.	1.7	35
1687	Biosystems Study of the Molecular Networks Underlying Hippocampal Aging Progression and Anti-aging Treatment in Mice. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 393.	1.7	3
1688	Validation of Minimally-Invasive Sample Collection Methods for Measurement of Telomere Length. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 397.	1.7	43
1689	Multi-Protection of DL0410 in Ameliorating Cognitive Defects in D-Galactose Induced Aging Mice. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 409.	1.7	19
1690	Mild Hypothermia Attenuates the Anesthetic Isoflurane-Induced Cytotoxicity. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 15.	1.8	4
1691	Clock-Enhancing Small Molecules and Potential Applications in Chronic Diseases and Aging. <i>Frontiers in Neurology</i> , 2017, 8, 100.	1.1	66
1692	Molecular Chaperone Accumulation in Cancer and Decrease in Alzheimer's Disease: The Potential Roles of HSF1. <i>Frontiers in Neuroscience</i> , 2017, 11, 192.	1.4	64
1693	Current Advances and Limitations in Modeling ALS/FTD in a Dish Using Induced Pluripotent Stem Cells. <i>Frontiers in Neuroscience</i> , 2017, 11, 671.	1.4	47
1694	Implications of DNA Methylation in Parkinsonâ€™s Disease. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 225.	1.4	71
1695	Direct Reprogramming Rather than iPSC-Based Reprogramming Maintains Aging Hallmarks in Human Motor Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 359.	1.4	128
1696	The Potential Role of Senescence As a Modulator of Platelets and Tumorigenesis. <i>Frontiers in Oncology</i> , 2017, 7, 188.	1.3	17
1697	The Role of Autophagy in Aging. , 2017, , 123-138.		4
1698	Standardized <i>Kaempferia parviflora</i> Extract Inhibits Intrinsic Aging Process in Human Dermal Fibroblasts and Hairless Mice by Inhibiting Cellular Senescence and Mitochondrial Dysfunction. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-14.	0.5	15
1699	Unfolded Protein Response of the Endoplasmic Reticulum in Tumor Progression and Immunogenicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	1.9	23
1700	Knockout of Vasohibin-1 Gene in Mice Results in Healthy Longevity with Reduced Expression of Insulin Receptor, Insulin Receptor Substrate 1, and Insulin Receptor Substrate 2 in Their White Adipose Tissue. <i>Journal of Aging Research</i> , 2017, 2017, 1-11.	0.4	10

#	ARTICLE	IF	CITATIONS
1701	Pro- and Antioxidant Functions of the Peroxisome-Mitochondria Connection and Its Impact on Aging and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-17.	1.9	51
1702	Risk Factors for Alzheimer's Disease. , 2017, , 47-91.		0
1703	Protein Posttranslational Modifications: Roles in Aging and Age-Related Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-19.	1.9	157
1704	Mechanisms Underlying the Essential Role of Mitochondrial Membrane Lipids in Yeast Chronological Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	14
1705	Resveratrol Attenuates Copper-Induced Senescence by Improving Cellular Proteostasis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	14
1706	High Sensitivity of Human Adipose Stem Cells to Differentiate into Myofibroblasts in the Presence of <i>C. aspersa</i> Egg Extract. <i>Stem Cells International</i> , 2017, 2017, 1-9.	1.2	8
1707	Epigenetics and Oxidative Stress in Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	129
1708	Long Noncoding RNAs and RNA-Binding Proteins in Oxidative Stress, Cellular Senescence, and Age-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-21.	1.9	82
1709	FOXO Transcriptional Factors and Long-Term Living. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	118
1710	Probiotic Bacteria for Healthier Aging: Immunomodulation and Metabolism of Phytoestrogens. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	53
1711	The Role of Nrf2 in Cardiovascular Function and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	1.9	190
1712	Geroprotectors: A Unified Concept and Screening Approaches. , 2017, 8, 354.		67
1713	Mitochondrial Function and Mitophagy in the Elderly: Effects of Exercise. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	1.9	84
1714	Role of Kallistatin Treatment in Aging and Cancer by Modulating miR-34a and miR-21 Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	1.9	19
1715	Cellular Senescence in Age-Related Macular Degeneration: Can Autophagy and DNA Damage Response Play a Role?. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	1.9	68
1716	Aging: Molecular Pathways and Implications on the Cardiovascular System. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-19.	1.9	63
1717	Interleukin-7 and Immunosenescence. <i>Journal of Immunology Research</i> , 2017, 2017, 1-17.	0.9	66
1718	Proteomics and metabolomics in ageing research: from biomarkers to systems biology. <i>Essays in Biochemistry</i> , 2017, 61, 379-388.	2.1	74

#	ARTICLE	IF	CITATIONS
1719	Cartilage and Chondrocytes. , 2017, , 34-59.e3.		4
1720	Parity History Determines a Systemic Inflammatory Response to Spread of Ovarian Cancer in Naturally Aged Mice. , 2017, 8, 546.		17
1721	Recognizing Degenerative Aging as a Treatable Medical Condition: Methodology and Policy. , 2017, 8, 583.		49
1722	Molecular Connections of Aging and Cancer. , 2017, 8, 685.		12
1723	Bone microRNAs and Ageing. Current Pharmaceutical Biotechnology, 2017, 18, 210-220.	0.9	18
1724	The use of urinary proteomics in the assessment of suitability of mouse models for ageing. PLoS ONE, 2017, 12, e0166875.	1.1	17
1725	Normalisation against Circadian and Age-Related Disturbances Enables Robust Detection of Gene Expression Changes in Liver of Aged Mice. PLoS ONE, 2017, 12, e0169615.	1.1	6
1726	Nampt Expression Decreases Age-Related Senescence in Rat Bone Marrow Mesenchymal Stem Cells by Targeting Sirt1. PLoS ONE, 2017, 12, e0170930.	1.1	59
1727	The beneficial effects of dietary restriction on learning are distinct from its effects on longevity and mediated by depletion of a neuroinhibitory metabolite. PLoS Biology, 2017, 15, e2002032.	2.6	18
1728	Perceived consequences of ageing with late effects of polio and strategies for managing daily life: a qualitative study. BMC Geriatrics, 2017, 17, 179.	1.1	9
1729	Gender differences in functional disability and self-care among seniors in Bangladesh. BMC Geriatrics, 2017, 17, 177.	1.1	19
1730	Regulation of TERRA on telomeric and mitochondrial functions in IPF pathogenesis. BMC Pulmonary Medicine, 2017, 17, 163.	0.8	30
1731	Implementation of longevity-promoting supplements and medications in public health practice: achievements, challenges and future perspectives. Journal of Translational Medicine, 2017, 15, 160.	1.8	55
1732	Hexokinases link DJ-1 to the PINK1/parkin pathway. Molecular Neurodegeneration, 2017, 12, 70.	4.4	40
1733	The association between Alu hypomethylation and severity of type 2 diabetes mellitus. Clinical Epigenetics, 2017, 9, 93.	1.8	32
1734	Isolation and prolonged expansion of oral mesenchymal stem cells under clinical-grade, GMP-compliant conditions differentially affects stemness properties. Stem Cell Research and Therapy, 2017, 8, 247.	2.4	81
1736	Amalaki rasayana, a traditional Indian drug enhances cardiac mitochondrial and contractile functions and improves cardiac function in rats with hypertrophy. Scientific Reports, 2017, 7, 8588.	1.6	35
1737	Transcriptomic profiling of the human brain reveals that altered synaptic gene expression is associated with chronological aging. Scientific Reports, 2017, 7, 16890.	1.6	47

#	ARTICLE	IF	CITATIONS
1738	ANGPTL2â€”A New Causal Player in Accelerating Heart Disease Development in the Aging â€. Circulation Journal, 2017, 81, 1379-1385.	0.7	19
1739	Effects of Physical Activity on the Cerebral Networks. , 2017, , 3-11.		2
1740	New Challengesâ”2017. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 651-652.	1.7	1
1741	Stress and Brain Aging: Role of Glucocorticoid and Mineralocorticoid Hormones. , 2017, , .		1
1742	Interventions to Support Healthy Eating in Later Life. , 2017, , 283-298.		1
1743	Aging, Somatic Evolution, and Cancer. , 2017, , 193-209.		0
1744	Inhibitors of DNA methylation support TGF-Î²1-inducedLL1 expression in gingival fibroblasts. Journal of Periodontal and Implant Science, 2017, 47, 66.	0.9	6
1745	Modulation of the Senescence-Associated Inflammatory Phenotype in Human Fibroblasts by Olive Phenols. International Journal of Molecular Sciences, 2017, 18, 2275.	1.8	42
1746	Antioxidant Defence, Oxidative Stress and Oxidative Damage in Saliva, Plasma and Erythrocytes of Dementia Patients. Can Salivary AGE be a Marker of Dementia?. International Journal of Molecular Sciences, 2017, 18, 2205.	1.8	71
1747	Molecular and phenotypic biomarkers of aging. F1000Research, 2017, 6, 860.	0.8	129
1748	The Potential of iPSCs for the Treatment of Premature Aging Disorders. International Journal of Molecular Sciences, 2017, 18, 2350.	1.8	9
1749	Differential and correlated expressions of p16/p21/p27/p38 in mammary gland tumors of aged dogs. Journal of Veterinary Science, 2017, 18, 479.	0.5	6
1750	mTORC1 as the main gateway to autophagy. Essays in Biochemistry, 2017, 61, 565-584.	2.1	371
1751	From Sarcopenia to Frailty: The Pathophysiological Basis and Potential Target Molecules of Intervention. , 2017, , .		4
1752	Physiology and Pathology of Autoimmune Diseases: Role of CD4+ T cells in Rheumatoid Arthritis. , 2017, , .		7
1753	POT1 inhibits the efficiency but promotes the fidelity of nonhomologous end joining at non-telomeric DNA regions. Aging, 2017, 9, 2529-2543.	1.4	15
1754	Drug-induced premature senescence model in human dental follicle stem cells. Oncotarget, 2017, 8, 7276-7293.	0.8	16
1755	Polyunsaturated fatty acids ameliorate aging <i>via</i> redox-telomere-antioncogene axis. Oncotarget, 2017, 8, 7301-7314.	0.8	37

#	ARTICLE	IF	CITATIONS
1756	Cellular Senescence and Stem Cell Niche. , 2017, , 185-192.		2
1757	Cancer and Aging - the Inflammatory Connection. , 2017, 8, 611.		107
1758	Therapeutic potential of systemic brain rejuvenation strategies for neurodegenerative disease. F1000Research, 2017, 6, 1291.	0.8	24
1759	Mouse models of central nervous system ageing. Drug Discovery Today: Disease Models, 2017, 25-26, 21-34.	1.2	5
1760	Mitochondria in the spotlight of aging and idiopathic pulmonary fibrosis. Journal of Clinical Investigation, 2017, 127, 405-414.	3.9	163
1761	Healthy human aging: intrinsic and environmental factors. Brazilian Journal of Food Technology, 2017, 20, .	0.8	29
1762	Human induced pluripotent stem cells illuminate pathways and novel treatment targets for age-related macular degeneration. Stem Cell Investigation, 2017, 4, 92-92.	1.3	1
1763	Inflammatory Cytokines and Comorbidity Development in Breast Cancer Survivors Versus Noncancer Controls: Evidence for Accelerated Aging?. Journal of Clinical Oncology, 2017, 35, 149-156.	0.8	68
1764	Risk Factors for Postoperative Complications in Elderly After Colorectal Cancer Resection. International Surgery, 2017, 102, 299-306.	0.0	3
1765	Aged induced pluripotent stem cell (iPSCs) as a new cellular model for studying premature aging. Aging, 2017, 9, 1453-1469.	1.4	27
1766	EGCG Containing Combined Dietary Supplement Affects Telomeres and Epigenetic Regulation. Journal of Nutrition & Food Sciences, 2017, 07, .	1.0	1
1767	Role of circulating factors in cardiac aging. Journal of Thoracic Disease, 2017, 9, S17-S29.	0.6	14
1768	Old age causes de novo intracortical bone remodeling and porosity in mice. JCI Insight, 2017, 2, .	2.3	132
1769	Impaired Proteasomal Function in Human Osteoarthritic Chondrocytes Can Contribute to Decreased Levels of <sc>SOX</sc>9 and Aggrecan. Arthritis and Rheumatology, 2018, 70, 1030-1041.	2.9	14
1770	Keeping it tight: The relationship between bacterial dysbiosis, septate junctions, and the intestinal barrier in <i>Drosophila</i>. Fly, 2018, 12, 34-40.	0.9	14
1771	Hallmarks of Cellular Senescence. Trends in Cell Biology, 2018, 28, 436-453.	3.6	1,474
1772	Major Lifestyles and Phenotypes in Aging and Disease. , 2018, , 3-27.		1
1773	Cellular senescence as a therapeutic target to improve renal transplantation outcome. Pharmacological Research, 2018, 130, 322-330.	3.1	26

#	ARTICLE	IF	CITATIONS
1774	ATP Synthase, a Target for Dementia and Aging?. Rejuvenation Research, 2018, 21, 61-66.	0.9	4
1777	SUMOylation, aging and autophagy in neurodegeneration. NeuroToxicology, 2018, 66, 53-57.	1.4	23
1778	Left Ventricular Diastolic Dysfunction in Hutchinson-Gilford Progeria Syndrome. JAMA Cardiology, 2018, 3, 334.	3.0	0
1779	Differential stem cell aging kinetics in Hutchinson-Gilford progeria syndrome and Werner syndrome. Protein and Cell, 2018, 9, 333-350.	4.8	56
1780	Human aging and disease: Lessons from age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2866-2872.	3.3	59
1781	Epigenomic signature of adrenoleukodystrophy predicts compromised oligodendrocyte differentiation. Brain Pathology, 2018, 28, 902-919.	2.1	21
1782	Mitochondria, its DNA and telomeres in ageing and human population. Biogerontology, 2018, 19, 189-208.	2.0	28
1783	Gene expression hallmarks of cellular ageing. Biogerontology, 2018, 19, 547-566.	2.0	113
1784	Resilience to aging in the regenerationâ€capable flatworm <i>Macrostomum lignano</i> . Aging Cell, 2018, 17, e12739.	3.0	22
1785	IAPP/amylin and Î²-cell failure: implication of the risk factors of type 2 diabetes. Diabetology International, 2018, 9, 143-157.	0.7	34
1786	SIL1, the ER Hsp70 co-chaperone, plays a critical role in maintaining skeletal muscle proteostasis and physiology. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	13
1787	Inosine improves cognitive function and decreases aging-induced oxidative stress and neuroinflammation in aged female rats. Inflammopharmacology, 2018, 26, 1317-1329.	1.9	38
1788	Substrate Topography Modulates Cell Aging on a Progeria Cell Model. ACS Biomaterials Science and Engineering, 2018, 4, 1498-1504.	2.6	6
1789	Linking cellular proteostasis to yeast longevity. FEMS Yeast Research, 2018, 18, .	1.1	15
1790	Frailty phenotypes and mortality after lung transplantation: A prospective cohort study. American Journal of Transplantation, 2018, 18, 1995-2004.	2.6	95
1791	Immune senescence, epigenetics and autoimmunity. Clinical Immunology, 2018, 196, 59-63.	1.4	137
1792	Decipher reliable biomarkers of brain aging by integrating literature-based evidence with interactome data. Experimental and Molecular Medicine, 2018, 50, 1-15.	3.2	12
1793	Declining home range area predicts reduced lateâ€life survival in two wild ungulate populations. Ecology Letters, 2018, 21, 1001-1009.	3.0	35

#	ARTICLE	IF	CITATIONS
1794	Metformin alleviates human cellular aging by upregulating the endoplasmic reticulum glutathione peroxidase 7. <i>Aging Cell</i> , 2018, 17, e12765.	3.0	116
1795	Lymphocyte Subtypes and Functions in Centenarians as Models for Successful Aging. , 2018, , 1-37.		1
1796	Structural similarity-based prediction of the potential active ingredients and mechanism of action of traditional Chinese medicine formulations used to anti-aging. <i>Journal of Traditional Chinese Medical Sciences</i> , 2018, 5, 177-184.	0.1	0
1797	Double deletion of tetraspanins CD9 and CD81 in mice leads to a syndrome resembling accelerated aging. <i>Scientific Reports</i> , 2018, 8, 5145.	1.6	35
1798	Metabotypes with elevated protein and lipid catabolism and inflammation precede clinical mastitis in prepartal transition dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 5531-5548.	1.4	27
1799	Ubiquitylation Pathways In Insulin Signaling and Organismal Homeostasis. <i>BioEssays</i> , 2018, 40, e1700223.	1.2	24
1800	Mitochondrial inhibitory factor protein 1 attenuates coupling factor 6â€inducedâ€™aging signal. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6194-6203.	1.2	3
1801	11Î²-HSD1 Inhibition by RL-118 Promotes Autophagy and Correlates with Reduced Oxidative Stress and Inflammation, Enhancing Cognitive Performance in SAMP8 Mouse Model. <i>Molecular Neurobiology</i> , 2018, 55, 8904-8915.	1.9	25
1802	Mitochondrial oxidative stress and cardiac ageing. <i>ClÃnica E InvestigaciÃn En Arteriosclerosis (English Edition)</i> , 2018, 30, 74-83.	0.1	6
1803	Oncogene-induced senescence: a double edged sword in cancer. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1553-1558.	2.8	97
1804	Global remodeling of the mouse <scp>DNA</scp> methylome during aging and in response to calorie restriction. <i>Aging Cell</i> , 2018, 17, e12738.	3.0	60
1805	Age-dependent neurodegeneration and organelle transport deficiencies in mutant TDP43 patient-derived neurons are independent of TDP43 aggregation. <i>Neurobiology of Disease</i> , 2018, 115, 167-181.	2.1	67
1806	Caloric restriction mitigates age-associated hippocampal differential CG and non-CG methylation. <i>Neurobiology of Aging</i> , 2018, 67, 53-66.	1.5	45
1807	Mice with reduced expression of the telomereâ€™associated protein Ft1 develop p53â€™sensitive progeroid traits. <i>Aging Cell</i> , 2018, 17, e12730.	3.0	24
1808	Spermidine ameliorates the neuronal aging by improving the mitochondrial function in vitro. <i>Experimental Gerontology</i> , 2018, 108, 77-86.	1.2	28
1809	Role of Forkhead Box O (FOXO) transcription factor in aging and diseases. <i>Gene</i> , 2018, 648, 97-105.	1.0	115
1810	Gene expression signature of the ageing lung: breathing new life into COPD. <i>Thorax</i> , 2018, 73, 605-606.	2.7	1
1811	Short Telomeres Induce p53 and Autophagy and Modulate Age-Associated Changes in Cardiac Progenitor Cell Fate. <i>Stem Cells</i> , 2018, 36, 868-880.	1.4	15

#	ARTICLE	IF	CITATIONS
1812	Shwachman-Diamond Syndrome Protein SBDS Maintains Human Telomeres by Regulating Telomerase Recruitment. <i>Cell Reports</i> , 2018, 22, 1849-1860.	2.9	17
1813	Impaired cohesion and homologous recombination during replicative aging in budding yeast. <i>Science Advances</i> , 2018, 4, eaaq0236.	4.7	41
1814	Genetic Ablation of p16 ^{INK4a} Does Not Protect against Cellular Senescence in Mouse Models of Chronic Obstructive Pulmonary Disease/Emphysema. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 189-199.	1.4	41
1815	Protein Turnover in Aging and Longevity. <i>Proteomics</i> , 2018, 18, e1700108.	1.3	78
1816	Proteome changes in the aging <i>Drosophila melanogaster</i> head. <i>International Journal of Mass Spectrometry</i> , 2018, 425, 36-46.	0.7	17
1817	Human Ageing Genomic Resources: new and updated databases. <i>Nucleic Acids Research</i> , 2018, 46, D1083-D1090.	6.5	511
1818	Recombinant buckwheat glutaredoxin intake increases lifespan and stress resistance via hsf-1 upregulation in <i>Caenorhabditis elegans</i> . <i>Experimental Gerontology</i> , 2018, 104, 86-97.	1.2	12
1819	The role of DNA PK in aging and energy metabolism. <i>FEBS Journal</i> , 2018, 285, 1959-1972.	2.2	31
1820	Notch2 Signaling Maintains NSC Quiescence in the Murine Ventricular-Subventricular Zone. <i>Cell Reports</i> , 2018, 22, 992-1002.	2.9	93
1821	Clonal Hematopoiesis and Evolution to Hematopoietic Malignancies. <i>Cell Stem Cell</i> , 2018, 22, 157-170.	5.2	345
1822	Genetic cartography of longevity in humans and mice: Current landscape and horizons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2718-2732.	1.8	27
1823	Recent insights into the cellular and molecular determinants of aging. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	21
1824	The Quest for Osteoporosis Mechanisms and Rational Therapies: How Far We've Come, How Much Further We Need to Go. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 371-385.	3.1	41
1825	Ginsenoside F1 suppresses astrocytic senescence-associated secretory phenotype. <i>Chemico-Biological Interactions</i> , 2018, 283, 75-83.	1.7	41
1826	Marine derived xyloketal derivatives exhibit anti-stress and anti-ageing effects through HSF pathway in <i>Caenorhabditis elegans</i> . <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 63-72.	2.6	20
1827	Cocaine use may induce telomere shortening in individuals with HIV infection. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 84, 11-17.	2.5	7
1828	Homeostatic interplay between FoxO proteins and ER proteostasis in cancer and other diseases. <i>Seminars in Cancer Biology</i> , 2018, 50, 42-52.	4.3	10
1829	3' UTR lengthening as a novel mechanism in regulating cellular senescence. <i>Genome Research</i> , 2018, 28, 285-294.	2.4	90

#	ARTICLE	IF	CITATIONS
1830	Amyloids of multiple species: are they helpful in survival?. <i>Biological Reviews</i> , 2018, 93, 1363-1386.	4.7	11
1831	Estr�s oxidativo mitocondrial y envejecimiento card�aco. <i>Cl�nica E Investigaci�n En Arteriosclerosis</i> , 2018, 30, 74-83.	0.4	8
1832	Cytosine modifications exhibit circadian oscillations that are involved in epigenetic diversity and aging. <i>Nature Communications</i> , 2018, 9, 644.	5.8	59
1833	Nutrient sensing, growth and senescence. <i>FEBS Journal</i> , 2018, 285, 1948-1958.	2.2	34
1834	Biologic therapies to enhance intervertebral disc repair. <i>Regenerative Medicine</i> , 2018, 13, 55-72.	0.8	24
1835	Bmal1-deficient mouse fibroblast cells do not provide premature cellular senescence in vitro. <i>Chronobiology International</i> , 2018, 35, 730-738.	0.9	9
1836	Transcriptomic alterations during ageing reflect the shift from cancer to degenerative diseases in the elderly. <i>Nature Communications</i> , 2018, 9, 327.	5.8	94
1837	Kynurenic acid accumulation underlies learning and memory impairment associated with aging. <i>Genes and Development</i> , 2018, 32, 14-19.	2.7	19
1838	Update on mitochondria and muscle aging: all wrong roads lead to sarcopenia. <i>Biological Chemistry</i> , 2018, 399, 421-436.	1.2	79
1839	CDK4, a new metabolic sensor that antagonizes AMPK. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1409862.	0.3	5
1840	The Genotype��Phenotype Relationships in the Light of Natural Selection. <i>Molecular Biology and Evolution</i> , 2018, 35, 525-542.	3.5	16
1841	Induction of mitophagy in the HEI-OC1 auditory cell line and activation of the Atg12/LC3 pathway in the organ of Corti. <i>Hearing Research</i> , 2018, 361, 52-65.	0.9	13
1842	The role of telomeres in the mechanisms and evolution of life-history trade-offs and ageing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160452.	1.8	148
1843	Alu siRNA to increase Alu element methylation and prevent DNA damage. <i>Epigenomics</i> , 2018, 10, 175-185.	1.0	36
1844	Cross-species Comparison of Proteome Turnover Kinetics. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 580-591.	2.5	40
1845	The Relationship Between Dietary Macronutrients and Hepatic Telomere Length in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 446-449.	1.7	25
1846	Growing old, yet staying young: The role of telomeres in bats�� exceptional longevity. <i>Science Advances</i> , 2018, 4, eaao0926.	4.7	120
1847	Urinary 8-hydroxydeoxyguanosine is a better biomarker of aging in non-smokers. <i>Traditional Medicine and Modern Medicine</i> , 2018, 01, 43-51.	0.2	1

#	ARTICLE	IF	CITATIONS
1848	Photosensitization of A2E triggers telomere dysfunction and accelerates retinal pigment epithelium senescence. <i>Cell Death and Disease</i> , 2018, 9, 178.	2.7	37
1849	Molecular Mechanisms and Cellular Pathways Implicated in Machado-Joseph Disease Pathogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1049, 349-367.	0.8	18
1850	Deep sequencing of the mitochondrial genome reveals common heteroplasmic sites in NADH dehydrogenase genes. <i>Human Genetics</i> , 2018, 137, 203-213.	1.8	18
1851	Impact of stress on aged immune system compartments: Overview from fundamental to clinical data. <i>Experimental Gerontology</i> , 2018, 105, 19-26.	1.2	24
1852	p53 isoforms regulate premature aging in human cells. <i>Oncogene</i> , 2018, 37, 2379-2393.	2.6	45
1853	Is Overall Mortality the Right Composite Endpoint in Clinical Trials of Acute Respiratory Distress Syndrome?*. <i>Critical Care Medicine</i> , 2018, 46, 892-899.	0.4	26
1854	DNA Methylation Patterns Separate Senescence from Transformation Potential and Indicate Cancer Risk. <i>Cancer Cell</i> , 2018, 33, 309-321.e5.	7.7	84
1855	Epigenetic Biomarkers for Biological Age. , 2018, , 153-170.		5
1856	GIT2â€”A keystone in ageing and age-related disease. <i>Ageing Research Reviews</i> , 2018, 43, 46-63.	5.0	29
1857	Periodontology for Geriatric Patients. <i>Current Oral Health Reports</i> , 2018, 5, 39-49.	0.5	2
1858	An in vitro cellular system modelling progressive human adipose-derived stem cell aging. <i>Science Bulletin</i> , 2018, 63, 272-274.	4.3	3
1859	The relationship between telomere length and mortality risk in non-model vertebrate systems: a meta-analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160447.	1.8	194
1860	Healthy ageing and the science of longevity in dogs. Part I: is grey the new gold?. <i>Companion Animal</i> , 2018, 23, 12-17.	0.0	3
1861	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
1862	Glutaredoxin-1 Silencing Induces Cell Senescence via p53/p21/p16 Signaling Axis. <i>Journal of Proteome Research</i> , 2018, 17, 1091-1100.	1.8	54
1863	Spermidine in health and disease. <i>Science</i> , 2018, 359, .	6.0	616
1864	A network-based meta-analysis for characterizing the genetic landscape of human aging. <i>Biogerontology</i> , 2018, 19, 81-94.	2.0	16
1865	Antisense transcription regulates the expression of sense gene via alternative polyadenylation. <i>Protein and Cell</i> , 2018, 9, 540-552.	4.8	3

#	ARTICLE	IF	CITATIONS
1866	Opportunities for organoids as new models of aging. <i>Journal of Cell Biology</i> , 2018, 217, 39-50.	2.3	44
1867	Plasticity of lifelong calorie-restricted C57BL/6J mice in adapting to a medium-fat diet intervention at old age. <i>Aging Cell</i> , 2018, 17, e12696.	3.0	8
1868	Autophagy and proteostasis in the control of synapse aging and disease. <i>Current Opinion in Neurobiology</i> , 2018, 48, 113-121.	2.0	63
1869	Relative Bioavailability of Silybin A and Silybin B From 2 Multiconstituent Dietary Supplement Formulations Containing Milk Thistle Extract: A Single-dose Study. <i>Clinical Therapeutics</i> , 2018, 40, 103-113.e1.	1.1	12
1870	Ayurveda and the science of aging. <i>Journal of Ayurveda and Integrative Medicine</i> , 2018, 9, 225-232.	0.9	30
1871	Chronic inflammation and sarcopenia: A regenerative cell therapy perspective. <i>Experimental Gerontology</i> , 2018, 103, 115-123.	1.2	80
1872	Oral health in geroscience: animal models and the aging oral cavity. <i>GeroScience</i> , 2018, 40, 1-10.	2.1	37
1873	Comprehensive Geriatric Assessment: An Updated Perspective. <i>Practical Issues in Geriatrics</i> , 2018, , 1-10.	0.3	0
1874	Trillium tschonoskii maxim saponin mitigates D-galactose-induced brain aging of rats through rescuing dysfunctional autophagy mediated by Rheb-mTOR signal pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 98, 516-522.	2.5	31
1875	Tuberculosis in the elderly: Why inflammation matters. <i>Experimental Gerontology</i> , 2018, 105, 32-39.	1.2	58
1876	Do reef corals age?. <i>Biological Reviews</i> , 2018, 93, 1192-1202.	4.7	32
1877	Oxidative stress and aging: Learning from yeast lessons. <i>Fungal Biology</i> , 2018, 122, 514-525.	1.1	38
1878	Establishment of Photoaging In Vitro by Repetitive UVA Irradiation: Induction of Characteristic Markers of Senescence and its Prevention by PAPLAL with Potent Catalase Activity. <i>Photochemistry and Photobiology</i> , 2018, 94, 438-444.	1.3	13
1879	Physical activity and CVD in older adults: an expert's perspective. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 1-10.	0.6	31
1880	Emerging roles for sphingolipids in cellular aging. <i>Current Genetics</i> , 2018, 64, 761-767.	0.8	13
1881	The association between obstructive sleep apnea and shortened telomere length: a systematic review and meta-analysis. <i>Sleep Medicine</i> , 2018, 48, 107-112.	0.8	24
1882	ATF6 safeguards organelle homeostasis and cellular aging in human mesenchymal stem cells. <i>Cell Discovery</i> , 2018, 4, 2.	3.1	49
1883	Analysis of DNA modifications in aging research. <i>GeroScience</i> , 2018, 40, 11-29.	2.1	39

#	ARTICLE	IF	CITATIONS
1884	Back to the future: Epigenetic clock plasticity towards healthy aging. <i>Mechanisms of Ageing and Development</i> , 2018, 174, 18-29.	2.2	71
1885	Novel treatment strategies for chronic kidney disease: insights from the animal kingdom. <i>Nature Reviews Nephrology</i> , 2018, 14, 265-284.	4.1	78
1886	Desumoylase SENP6 maintains osteochondroprogenitor homeostasis by suppressing the p53 pathway. <i>Nature Communications</i> , 2018, 9, 143.	5.8	26
1887	Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1215-1236.	2.5	25
1888	Integrating Geriatric Principles into Critical Care Medicine: The Time Is Now. <i>Annals of the American Thoracic Society</i> , 2018, 15, 518-522.	1.5	36
1889	Inorganic nitrate alleviates the senescence-related decline in liver function. <i>Science China Life Sciences</i> , 2018, 61, 24-34.	2.3	22
1890	Platelet-Derived Growth Factor Receptor-Alpha Expressing Cardiac Progenitor Cells Can Be Derived from Previously Cryopreserved Human Heart Samples. <i>Stem Cells and Development</i> , 2018, 27, 184-198.	1.1	12
1891	Sex and Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 139-140.	1.7	13
1892	Aging, inflammation and the environment. <i>Experimental Gerontology</i> , 2018, 105, 10-18.	1.2	267
1893	Strategies for Achieving Healthy Vascular Aging. <i>Hypertension</i> , 2018, 71, 389-402.	1.3	106
1894	Proteases and Cancer. <i>Methods in Molecular Biology</i> , 2018, . .	0.4	1
1895	Biphasic regulation of spindle assembly checkpoint by low and high concentrations of resveratrol leads to the opposite effect on chromosomal instability. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 825, 19-30.	0.9	21
1896	Aging related changes in circulating reactive oxygen species (ROS) and protein carbonyls are indicative of liver oxidative injury. <i>Toxicology Reports</i> , 2018, 5, 141-145.	1.6	57
1897	The Impact of Aging on Mechanisms of Mammalian Epimorphic Regeneration. <i>Gerontology</i> , 2018, 64, 300-308.	1.4	5
1898	Protease Silencing to Explore the Molecular Mechanisms of Cancer and Aging. <i>Methods in Molecular Biology</i> , 2018, 1731, 261-269.	0.4	0
1899	Autophagy and Proteases: Basic Study of the Autophagic Flux by Western Blot. <i>Methods in Molecular Biology</i> , 2018, 1731, 73-81.	0.4	6
1900	The paths of mortality: How understanding the biology of aging can help explain systems behavior of single cells. <i>Current Opinion in Systems Biology</i> , 2018, 8, 25-31.	1.3	18
1901	Caloric Restriction Research: New Perspectives on the Biology of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1-3.	1.7	22

#	ARTICLE	IF	CITATIONS
1902	LncRNA Inc-RI regulates homologous recombination repair of DNA double-strand breaks by stabilizing RAD51 mRNA as a competitive endogenous RNA. <i>Nucleic Acids Research</i> , 2018, 46, 717-729.	6.5	84
1903	Environmental conditions shape the temporal pattern of investment in reproduction and survival. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172442.	1.2	25
1904	Age-dependent changes in mean and variance of gene expression across tissues in a twin cohort. <i>Human Molecular Genetics</i> , 2018, 27, 732-741.	1.4	77
1905	Somatic mutations in neurons during aging and neurodegeneration. <i>Acta Neuropathologica</i> , 2018, 135, 811-826.	3.9	35
1906	Lowbush cranberry acts through DAF-16/FOXO signaling to promote increased lifespan and axon branching in aging posterior touch receptor neurons. <i>GeroScience</i> , 2018, 40, 151-162.	2.1	16
1907	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. <i>Cell Stem Cell</i> , 2018, 22, 769-778.e4.	5.2	266
1908	The Lysosome, Elixir of Neural Stem Cell Youth. <i>Cell Stem Cell</i> , 2018, 22, 619-620.	5.2	2
1909	Fertility, IVF and reproductive genetics. <i>Current Opinion in Obstetrics and Gynecology</i> , 2018, 30, 203-208.	0.9	3
1910	The African turquoise killifish: A research organism to study vertebrate aging and diapause. <i>Aging Cell</i> , 2018, 17, e12757.	3.0	118
1911	Transcriptome analysis reveals mechanisms of geroprotective effects of fucoxanthin in <i>Drosophila</i> . <i>BMC Genomics</i> , 2018, 19, 77.	1.2	23
1912	Immune-inflammatory responses in the elderly: an update. <i>Immunity and Ageing</i> , 2018, 15, 11.	1.8	60
1913	Metabolic Flexibility as an Adaptation to Energy Resources and Requirements in Health and Disease. <i>Endocrine Reviews</i> , 2018, 39, 489-517.	8.9	359
1914	Anti-senescence compounds: A potential nutraceutical approach to healthy aging. <i>Ageing Research Reviews</i> , 2018, 46, 14-31.	5.0	130
1915	Loss of XBP1 accelerates age-related decline in retinal function and neurodegeneration. <i>Molecular Neurodegeneration</i> , 2018, 13, 16.	4.4	34
1916	Hematopoietic insults damage bone marrow niche by activating p53 in vascular endothelial cells. <i>Experimental Hematology</i> , 2018, 63, 41-51.e1.	0.2	14
1917	DNA methylation of the cancer-related genes F2RL3 and AHRR is associated with occupational exposure to polycyclic aromatic hydrocarbons. <i>Carcinogenesis</i> , 2018, 39, 869-878.	1.3	35
1918	Ub and Down: Ubiquitin Exercise for the Elderly. <i>Trends in Cell Biology</i> , 2018, 28, 512-522.	3.6	10
1919	An osteopenic/osteoporotic phenotype delays alveolar bone repair. <i>Bone</i> , 2018, 112, 212-219.	1.4	47

#	ARTICLE	IF	CITATIONS
1920	Targeting of NAT10 enhances healthspan in a mouse model of human accelerated aging syndrome. <i>Nature Communications</i> , 2018, 9, 1700.	5.8	103
1921	Mecanismos de envejecimiento vascular: ¿QuÃ© podemos aprender del sÃndrome de progeria de Hutchinson-Gilford?. <i>ClÃnica E InvestigaciÃn En Arteriosclerosis</i> , 2018, 30, 120-132.	0.4	4
1922	Loss of Stemness, EMT, and Supernumerary Tooth Formation in <i>Cebpb^{+/+}/Runx2^{+/-}</i> Murine Incisors. <i>Scientific Reports</i> , 2018, 8, 5169.	1.6	15
1923	Biology of aging: Paving the way for healthy aging. <i>Experimental Gerontology</i> , 2018, 107, 1-3.	1.2	5
1924	MicroRNAs-103/107 Regulate Autophagy in the Epidermis. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1481-1490.	0.3	14
1925	DNA damage induced by human CD40 ligand mutant promotes senescence and induces demethylation of GATA4 in lung cancer. <i>Oncology Reports</i> , 2018, 39, 2071-2080.	1.2	3
1926	Relation of long-term patterns in caregiving activity and depressive symptoms to telomere length in older women. <i>Psychoneuroendocrinology</i> , 2018, 89, 161-167.	1.3	11
1927	Healthy Aging and Epigenetic Drugs for Diabetes and Obesity. , 2018, , 419-438.		1
1928	Possible role of ginsenoside Rb1 in skin wound healing via regulating senescent skin dermal fibroblast. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 381-388.	1.0	22
1929	IGFBP-3 plays an important role in senescence as an aging marker. <i>Environmental Toxicology and Pharmacology</i> , 2018, 59, 138-145.	2.0	18
1930	TRAF-interacting protein with forkhead-associated domain (TIFA) transduces DNA damage-induced activation of NF- κ B. <i>Journal of Biological Chemistry</i> , 2018, 293, 7268-7280.	1.6	14
1931	Transcriptome Network Analysis Reveals Aging-Related Mitochondrial and Proteasomal Dysfunction and Immune Activation in Human Thyroid. <i>Thyroid</i> , 2018, 28, 656-666.	2.4	23
1932	Abnormal nuclear morphology is independent of longevity in a <i>zmpste24</i> -deficient fish model of Hutchinson-Gilford progeria syndrome (HGPS). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 209, 54-62.	1.3	8
1933	Lifelong calorie restriction affects indicators of colonic health in aging C57Bl/6J mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 152-164.	1.9	24
1934	Taurine supplementation induces long-term beneficial effects on glucose homeostasis in <i>ob/ob</i> mice. <i>Amino Acids</i> , 2018, 50, 765-774.	1.2	26
1935	Sirtuins and Accelerated Aging in Scleroderma. <i>Current Rheumatology Reports</i> , 2018, 20, 16.	2.1	24
1936	Oxidants produced by methylglyoxal-modified collagen trigger ER stress and apoptosis in skin fibroblasts. <i>Free Radical Biology and Medicine</i> , 2018, 120, 102-113.	1.3	26
1937	Factors Affecting the Occurrence of Complications in the Early Stages After Dental Implant Placement. <i>Implant Dentistry</i> , 2018, 27, 221-225.	1.7	3

#	ARTICLE	IF	CITATIONS
1938	Aging Epigenetics. , 2018, , 3-32.		7
1939	The Inflammatory Potential of the Diet at Midlife Is Associated with Later Healthy Aging in French Adults. Journal of Nutrition, 2018, 148, 437-444.	1.3	17
1940	Fibrosis: Lessons from OMICS analyses of the human lung. Matrix Biology, 2018, 68-69, 422-434.	1.5	42
1941	Epigenetic modulation of vascular diseases: Assessing the evidence and exploring the opportunities. Vascular Pharmacology, 2018, 107, 43-52.	1.0	10
1942	Beyond ROS clearance: Peroxiredoxins in stress signaling and aging. Ageing Research Reviews, 2018, 44, 33-48.	5.0	46
1943	Sirtuins in mitochondrial stress: Indispensable helpers behind the scenes. Ageing Research Reviews, 2018, 44, 22-32.	5.0	41
1944	PIWI-piRNA pathway: Setting the pace of aging by reducing DNA damage. Mechanisms of Ageing and Development, 2018, 173, 29-38.	2.2	33
1945	Darwin. , 2018, , .		66
1946	Rapid and transient oxygen consumption increase following acute HDAC/KDAC inhibition in Drosophila tissue. Scientific Reports, 2018, 8, 4199.	1.6	9
1947	Secretome analysis of in vitro aged human mesenchymal stem cells reveals IGFBP7 as a putative factor for promoting osteogenesis. Scientific Reports, 2018, 8, 4632.	1.6	30
1948	Yeast as a tool to identify anti-aging compounds. FEMS Yeast Research, 2018, 18, .	1.1	74
1949	When nature's robots go rogue: exploring protein homeostasis dysfunction and the implications for understanding human aging disease pathologies. Expert Review of Proteomics, 2018, 15, 293-309.	1.3	4
1950	The yeast replicative aging model. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2690-2696.	1.8	70
1951	Knockout of tissue transglutaminase ameliorates TGF β 2-induced ocular hypertension: A novel therapeutic target for glaucoma?. Experimental Eye Research, 2018, 171, 106-110.	1.2	16
1952	Effect of resistance training and protein intake pattern on myofibrillar protein synthesis and proteome kinetics in older men in energy restriction. Journal of Physiology, 2018, 596, 2091-2120.	1.3	42
1953	New phytochemicals as potential human anti-aging compounds: Reality, promise, and challenges. Critical Reviews in Food Science and Nutrition, 2018, 58, 942-957.	5.4	83
1954	Brain age predicts mortality. Molecular Psychiatry, 2018, 23, 1385-1392.	4.1	513
1955	Usefulness of telomere length in DNA from human teeth for age estimation. International Journal of Legal Medicine, 2018, 132, 353-359.	1.2	14

#	ARTICLE	IF	CITATIONS
1956	Steroidogenesis decline accompanied with reduced antioxidation and endoplasmic reticulum stress in mice testes during ageing. <i>Andrologia</i> , 2018, 50, e12816.	1.0	24
1957	Exosomes as Mediators of the Systemic Adaptations to Endurance Exercise. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a029827.	2.9	136
1958	Molecular pathogenesis in chronic obstructive pulmonary disease and therapeutic potential by targeting AMP-activated protein kinase. <i>Journal of Cellular Physiology</i> , 2018, 233, 1999-2006.	2.0	23
1959	Diet quality and telomere length in older Australian men and women. <i>European Journal of Nutrition</i> , 2018, 57, 363-372.	1.8	34
1960	Testing a Model of Successful Aging in a Cohort of Masters Swimmers. <i>Journal of Aging and Physical Activity</i> , 2018, 26, 183-193.	0.5	14
1961	Telomeres, Nutrition, and Longevity: Can We Really Navigate Our Aging?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 39-47.	1.7	54
1962	Reduced cellularity of bone marrow in multiple sclerosis with decreased MSC expansion potential and premature ageing in vitro. <i>Multiple Sclerosis Journal</i> , 2018, 24, 919-931.	1.4	35
1963	Effect of polysaccharides from a Korean ginseng berry on the immunosenescence of aged mice. <i>Journal of Ginseng Research</i> , 2018, 42, 447-454.	3.0	21
1964	Sex Differences in Aging: Genomic Instability. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 166-174.	1.7	66
1965	Change in the Rate of Biological Aging in Response to Caloric Restriction: CALERIE Biobank Analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 4-10.	1.7	119
1966	Mitochondrial and Reactive Oxygen Species Signaling Coordinate Stem Cell Fate Decisions and Life Long Maintenance. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1090-1101.	2.5	35
1967	Cellular Senescence Biomarker p16INK4a+ Cell Burden in Thigh Adipose is Associated With Poor Physical Function in Older Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 939-945.	1.7	92
1968	Polyunsaturated fatty acids and endocannabinoids in health and disease. <i>Nutritional Neuroscience</i> , 2018, 21, 695-714.	1.5	77
1969	Ageing across the tree of life: The importance of a comparative perspective for the use of animal models in aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2680-2689.	1.8	92
1970	Accelerated aging in schizophrenia and related disorders: Future research. <i>Schizophrenia Research</i> , 2018, 196, 4-8.	1.1	61
1971	Mechanisms of protein homeostasis (proteostasis) maintain stem cell identity in mammalian pluripotent stem cells. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 275-290.	2.4	37
1972	Asthma in the elderly and late-onset adult asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 284-294.	2.7	140
1974	The cost of intraoperative adverse events in abdominal and pelvic surgery: A systematic review. <i>American Journal of Surgery</i> , 2018, 215, 163-170.	0.9	10

#	ARTICLE	IF	CITATIONS
1975	Age-associated microRNA expression in human peripheral blood is associated with all-cause mortality and age-related traits. <i>Aging Cell</i> , 2018, 17, e12687.	3.0	114
1976	Anti-inflammatory effects of human alpha1 antitrypsin. <i>Aging Cell</i> , 2018, 17, e12694.	3.0	23
1977	Influence of cell distribution and diabetes status on the association between mitochondrial DNA copy number and aging phenotypes in the InCHIANTI study. <i>Aging Cell</i> , 2018, 17, e12683.	3.0	26
1978	Zinc-Induced Metallothionein in Centenarian Offspring From a Large European Population: The MARK-AGE Project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 745-753.	1.7	13
1979	Adiposity, Telomere Length, and Telomere Attrition in Midlife: the 1946 British Birth Cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 966-972.	1.7	7
1980	Enhanced inflammation and attenuated tumor suppressor pathways are associated with oncogene-induced lung tumors in aged mice. <i>Aging Cell</i> , 2018, 17, e12691.	3.0	26
1981	Protein sequestration at the nuclear periphery as a potential regulatory mechanism in premature aging. <i>Journal of Cell Biology</i> , 2018, 217, 21-37.	2.3	33
1982	Theories and Mechanisms of Aging. , 2018, , 19-25.		8
1983	Premature brain aging in humans exposed to maternal nutrient restriction during early gestation. <i>NeuroImage</i> , 2018, 173, 460-471.	2.1	55
1984	Regulation of reproduction and longevity by nutrient-sensing pathways. <i>Journal of Cell Biology</i> , 2018, 217, 93-106.	2.3	118
1985	Stem cells: Aging and transcriptional fingerprints. <i>Journal of Cell Biology</i> , 2018, 217, 79-92.	2.3	61
1986	Epigenetics and cardiovascular regenerative medicine in the elderly. <i>International Journal of Cardiology</i> , 2018, 250, 207-214.	0.8	41
1987	A decay of the adaptive capacity of the unfolded protein response exacerbates Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 63, 162-164.	1.5	15
1988	Targeting aging for disease modification in osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2018, 30, 101-107.	2.0	87
1989	Sexual activity affects the redox profile along the aging process in male rats. <i>Biogerontology</i> , 2018, 19, 13-21.	2.0	2
1990	The emerging role of follistatin under stresses and its implications in diseases. <i>Gene</i> , 2018, 639, 111-116.	1.0	30
1991	Recent Advances in the Systems Biology of Aging. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 973-984.	2.5	15
1992	Towards a biological geriatric assessment. <i>Experimental Gerontology</i> , 2018, 107, 102-107.	1.2	14

#	ARTICLE	IF	CITATIONS
1993	AKT overactivation can suppress DNA repair via p70S6 kinase-dependent downregulation of MRE11. <i>Oncogene</i> , 2018, 37, 427-438.	2.6	34
1994	Blood-brain barrier dysfunction and recovery after ischemic stroke. <i>Progress in Neurobiology</i> , 2018, 163-164, 144-171.	2.8	565
1995	Drosophila as a model for ageing. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2707-2717.	1.8	165
1996	Phenome and genome based studies into human ageing and longevity: An overview. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2742-2751.	1.8	36
1997	Emerging Omics Approaches in Aging Research. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 985-1002.	2.5	22
1998	Jaw sensorimotor control in healthy adults and effects of ageing. <i>Journal of Oral Rehabilitation</i> , 2018, 45, 50-80.	1.3	58
1999	The hepatic microenvironment essentially determines tumor cell dormancy and metastatic outgrowth of pancreatic ductal adenocarcinoma. <i>Oncolmmunology</i> , 2018, 7, e1368603.	2.1	33
2000	Committed as a Violent Sexual Predator in His 10th Decade: A Case Study. <i>Archives of Sexual Behavior</i> , 2018, 47, 543-550.	1.2	6
2001	Association of DNA Methylation-Based Biological Age With Health Risk Factors and Overall and Cause-Specific Mortality. <i>American Journal of Epidemiology</i> , 2018, 187, 529-538.	1.6	106
2002	Effect of age and dietary carbohydrate profiles on glucose and insulin dynamics in horses. <i>Equine Veterinary Journal</i> , 2018, 50, 249-254.	0.9	36
2003	Similar post-stress metabolic trajectories in young and old flies. <i>Experimental Gerontology</i> , 2018, 102, 43-50.	1.2	6
2004	Aging in the Cardiovascular System: Lessons from Hutchinson-Gilford Progeria Syndrome. <i>Annual Review of Physiology</i> , 2018, 80, 27-48.	5.6	81
2005	Forward and reverse genetics approaches to uncover metabolic aging pathways in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2697-2706.	1.8	28
2006	â€Molecular habituationâ€™ as a potential mechanism of gradual homeostatic loss with age. <i>Mechanisms of Ageing and Development</i> , 2018, 169, 53-62.	2.2	9
2007	Effect of polyphenols from coffee and grape on gene expression in myoblasts. <i>Mechanisms of Ageing and Development</i> , 2018, 172, 115-122.	2.2	10
2008	Absolute quantitative lipidomics reveals lipidome-wide alterations in aging brain. <i>Metabolomics</i> , 2018, 14, 5.	1.4	66
2009	Mitochondrial dysfunction and damage associated molecular patterns (DAMPs) in chronic inflammatory diseases. <i>Mitochondrion</i> , 2018, 41, 37-44.	1.6	140
2011	Pioglitazone attenuates aging-related disorders in aged apolipoprotein E deficient mice. <i>Experimental Gerontology</i> , 2018, 102, 101-108.	1.2	25

#	ARTICLE	IF	CITATIONS
2012	mTOR as Regulator of Lifespan, Aging, and Cellular Senescence: A Mini-Review. <i>Gerontology</i> , 2018, 64, 127-134.	1.4	326
2013	Relevance of the p53-MDM2 axis to aging. <i>Cell Death and Differentiation</i> , 2018, 25, 169-179.	5.0	151
2014	DNA methylation-based biological aging and cancer risk and survival: Pooled analysis of seven prospective studies. <i>International Journal of Cancer</i> , 2018, 142, 1611-1619.	2.3	153
2015	Movement decline across lifespan of <i>Caenorhabditis elegans</i> mutants in the insulin/insulin-like signaling pathway. <i>Ageing Cell</i> , 2018, 17, e12704.	3.0	35
2016	Aging and neurodegeneration are associated with increased mutations in single human neurons. <i>Science</i> , 2018, 359, 555-559.	6.0	496
2017	Lung tissue gene-expression signature for the ageing lung in COPD. <i>Thorax</i> , 2018, 73, 609-617.	2.7	36
2018	Mandibuloacral dysplasia: A premature ageing disease with aspects of physiological ageing. <i>Ageing Research Reviews</i> , 2018, 42, 1-13.	5.0	60
2019	The influence and impact of ageing and immunosenescence (ISC) on adaptive immunity during multiple sclerosis (MS) and the animal counterpart experimental autoimmune encephalomyelitis (EAE). <i>Ageing Research Reviews</i> , 2018, 41, 64-81.	5.0	40
2020	The Smurf transition: new insights on ageing from end-of-life studies in animal models. <i>Current Opinion in Oncology</i> , 2018, 30, 38-44.	1.1	11
2021	Connecting chaperone-mediated autophagy dysfunction to cellular senescence. <i>Ageing Research Reviews</i> , 2018, 41, 34-41.	5.0	27
2022	Fisetin as a caloric restriction mimetic protects rat brain against aging induced oxidative stress, apoptosis and neurodegeneration. <i>Life Sciences</i> , 2018, 193, 171-179.	2.0	93
2023	The role of mitochondrial ROS in the aging brain. <i>FEBS Letters</i> , 2018, 592, 743-758.	1.3	259
2024	Cancer chemoprevention via activation of proteostatic modules. <i>Cancer Letters</i> , 2018, 413, 110-121.	3.2	29
2025	The role of cellular senescence in aging through the prism of Koch-like criteria. <i>Ageing Research Reviews</i> , 2018, 41, 18-33.	5.0	36
2026	DNA damage, metabolism and aging in pro-inflammatory T cells. <i>Experimental Gerontology</i> , 2018, 105, 118-127.	1.2	53
2027	Senescence and aging: Causes, consequences, and therapeutic avenues. <i>Journal of Cell Biology</i> , 2018, 217, 65-77.	2.3	757
2028	Aging of hematopoietic stem cells. <i>Blood</i> , 2018, 131, 479-487.	0.6	266
2029	Why the UK Needs a Social Policy on Ageing. <i>Journal of Social Policy</i> , 2018, 47, 253-273.	0.8	56

#	ARTICLE	IF	CITATIONS
2030	Understanding mechanisms to promote successful aging in persons living with HIV. <i>International Journal of Infectious Diseases</i> , 2018, 66, 56-64.	1.5	30
2031	Emerging role of extracellular vesicles as a senescence-associated secretory phenotype: Insights into the pathophysiology of lung diseases. <i>Molecular Aspects of Medicine</i> , 2018, 60, 92-103.	2.7	126
2032	Demographic variability and heterogeneity among individuals within and among clonal bacteria strains. <i>Oikos</i> , 2018, 127, 728-737.	1.2	23
2033	CIN and Aneuploidy: Different Concepts, Different Consequences. <i>BioEssays</i> , 2018, 40, 1700147.	1.2	43
2034	Evolutionarily adapted hormesis-inducing stressors can be a practical solution to mitigate harmful effects of chronic exposure to low dose chemical mixtures. <i>Environmental Pollution</i> , 2018, 233, 725-734.	3.7	76
2035	Pathways of cellular proteostasis in aging and disease. <i>Journal of Cell Biology</i> , 2018, 217, 51-63.	2.3	585
2036	Role of kinase-coupled TRP channels in mineral homeostasis. , 2018, 184, 159-176.		49
2037	AMP-Activated Protein Kinase Regulation of the NLRP3 Inflammasome during Aging. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 8-17.	3.1	111
2038	What is the ethics of ageing?. <i>Journal of Medical Ethics</i> , 2018, 44, 128-132.	1.0	12
2039	Oxidative Stress in Mesenchymal Stem Cell Senescence: Regulation by Coding and Noncoding RNAs. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 864-879.	2.5	71
2040	Role of Prion protein in premature senescence of human fibroblasts. <i>Mechanisms of Ageing and Development</i> , 2018, 170, 106-113.	2.2	4
2041	Geroscience. , 2018, , .		2
2042	Computational approaches for the systematic analysis of aging-associated molecular alterations. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 51-59.	1.2	1
2043	The geometric framework: An approach for studying the impact of nutrition on healthy aging. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 61-68.	1.2	5
2044	Aging and Longevity of Human Populations. , 2018, , 648-652.		0
2045	Editorial: Models for Aging Research. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 1-2.	1.2	0
2046	Adult Pulmonary Mesenchymal Progenitors. , 2018, , 337-337.		0
2047	Premature Physiologic Aging as a Paradigm for Understanding Increased Risk of Adverse Health Across the Lifespan of Survivors of Childhood Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 2206-2215.	0.8	99

#	ARTICLE	IF	CITATIONS
2048	Does Physical Activity Age Wild Animals?. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	18
2049	Age- and sex-dependent changes in levels of circulating brain-enriched microRNAs during normal aging. <i>Aging</i> , 2018, 10, 3017-3041.	1.4	16
2050	<i>Rehmannia glutinosa</i> exhibits anti-aging effect through maintaining the quiescence and decreasing the senescence of hematopoietic stem cells. <i>Animal Models and Experimental Medicine</i> , 2018, 1, 194-202.	1.3	23
2051	Tissue iron is negatively correlated with TERC or TERT mRNA expression: a heterochronic parabiosis study in mice. <i>Aging</i> , 2018, 10, 3834-3850.	1.4	5
2052	A REVIEW ON ANTI-AGING PROPERTIES OF PROBIOTICS. <i>International Journal of Applied Pharmaceutics</i> , 2018, 10, 23.	0.3	30
2053	Human neurons to model aging: A dish best served old. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 43-49.	1.2	15
2054	Nutrition and Ageing. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 373-424.	1.0	11
2055	Gene Expression, Epigenetics and Ageing. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 471-504.	1.0	6
2056	Telomeres, Telomerase and Ageing. <i>Sub-Cellular Biochemistry</i> , 2018, 90, 221-308.	1.0	71
2057	Autophagy delays progression of the two most frequent human monogenetic lethal diseases: cystic fibrosis and Wilson disease. <i>Aging</i> , 2018, 10, 3657-3661.	1.4	7
2058	p53-Sensitive Epileptic Behavior and Inflammation in Ft1 Hypomorphic Mice. <i>Frontiers in Genetics</i> , 2018, 9, 581.	1.1	12
2059	Low Serum Tryptophan Levels as an Indicator of Global Cognitive Performance in Nondemented Women over 50 Years of Age. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	1.9	26
2060	Hallermann-Streiff syndrome: A missing molecular link for a highly recognizable syndrome. , 2018, 178, 398-406.		18
2061	Telomere Targeting. , 2018, , .		0
2062	Regeneration of injured tissue: stem cell dynamics at interplay with mTORC1. <i>Stem Cell Investigation</i> , 2018, 5, 27-27.	1.3	0
2063	In vivo X-Nuclear MRS Imaging Methods for Quantitative Assessment of Neuroenergetic Biomarkers in Studying Brain Function and Aging. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 394.	1.7	11
2064	Role of miRNA in the Regulatory Mechanisms of Estrogens in Cardiovascular Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	1.9	18
2065	Significance of TERT and ATRX mutations in glioma. <i>Oncology Letters</i> , 2019, 17, 95-102.	0.8	24

#	ARTICLE	IF	CITATIONS
2066	GRK5 – A Functional Bridge Between Cardiovascular and Neurodegenerative Disorders. <i>Frontiers in Pharmacology</i> , 2018, 9, 1484.	1.6	19
2067	The Impact of the Microbiome on Immunosenescence. <i>Immunological Investigations</i> , 2018, 47, 801-811.	1.0	29
2068	Different Forms of ER Stress in Chondrocytes Result in Short Stature Disorders and Degenerative Cartilage Diseases: New Insights by Cartilage-Specific ERp57 Knockout Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	1.9	18
2069	Strategies targeting cellular senescence. <i>Journal of Clinical Investigation</i> , 2018, 128, 1247-1254.	3.9	153
2070	Brain Aging in HIV-1 Infection. , 2018, , .		0
2071	A New Insight into the Development of Novel Anti-Cancer Drugs that Improve the Expression of Mitochondrial Function-Associated Genes. , 2018, , .		0
2072	Stem Cell Aging. , 2018, , .		1
2073	Zebrafish Aging Models and Possible Interventions. , 2018, , .		2
2074	Geriatric Trauma. , 0, , .		0
2075	TGF- β 2 induces corneal endothelial senescence via increase of mitochondrial reactive oxygen species in chronic corneal allograft failure. <i>Aging</i> , 2018, 10, 3474-3485.	1.4	12
2077	Ultraviolet A irradiation induces senescence in human dermal fibroblasts by down-regulating DNMT1 via ZEB1. <i>Aging</i> , 2018, 10, 212-228.	1.4	24
2078	Early swelling response to phytohemagglutinin is lower in older toads. <i>PeerJ</i> , 2018, 6, e6104.	0.9	2
2079	Targeting the BECN1-BCL2 autophagy regulatory complex to promote longevity. <i>Biotarget</i> , 2018, 2, 16-16.	0.5	0
2081	The Hepatic Fate of Vitamin E. , 0, , .		4
2082	Development of clinical trials to extend healthy lifespan. <i>Cardiovascular Endocrinology and Metabolism</i> , 2018, 7, 80-83.	0.5	59
2083	Antioxidant and Oxidative Stress: A Mutual Interplay in Age-Related Diseases. <i>Frontiers in Pharmacology</i> , 2018, 9, 1162.	1.6	681
2084	Physiological and Pathological Vascular Aging. <i>Biological and Medical Physics Series</i> , 2018, , 51-72.	0.3	0
2085	Correlates and aetiological factors associated with hedonic well-being among an ageing population of US men and women: secondary data analysis of a national survey. <i>BMJ Open</i> , 2018, 8, e020962.	0.8	10

#	ARTICLE	IF	CITATIONS
2086	DESIGNING DRUG TRIALS FOR FRAILTY: ICFSR TASK FORCE 2018. <i>Journal of Frailty & Aging</i> , 2018, 7, 1-5.	0.8	17
2087	Machine learning based classification of cells into chronological stages using single-cell transcriptomics. <i>Scientific Reports</i> , 2018, 8, 17156.	1.6	17
2088	Operation of the Permeability Transition Pore in Rat Heart Mitochondria in Aging. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 137-145.	0.3	3
2089	The Place of Geroprotective Agents in Life Quality and Longevity of Companion Animals. , 2018, , 373-386.		1
2090	Widespread Accumulation of Ribosome-Associated Isolated 3' UTRs in Neuronal Cell Populations of the Aging Brain. <i>Cell Reports</i> , 2018, 25, 2447-2456.e4.	2.9	63
2091	Autophagy and the cell biology of age-related disease. <i>Nature Cell Biology</i> , 2018, 20, 1338-1348.	4.6	312
2092	Effects of Resveratrol on the Renin-Angiotensin System in the Aging Kidney. <i>Nutrients</i> , 2018, 10, 1741.	1.7	74
2093	Age-related declines in $\tilde{I}\pm$ -Klotho drive progenitor cell mitochondrial dysfunction and impaired muscle regeneration. <i>Nature Communications</i> , 2018, 9, 4859.	5.8	103
2095	Ultrastructural and Molecular Analysis of Ribose-Induced Glycated Reconstructed Human Skin. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3521.	1.8	11
2096	Weighing In on mTOR Complex 2 Signaling: The Expanding Role in Cell Metabolism. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-15.	1.9	44
2097	Evaluating the Remote Control of Programmed Cell Death, with or without a Compensatory Cell Proliferation. <i>International Journal of Biological Sciences</i> , 2018, 14, 1800-1812.	2.6	8
2098	Bone marrow neutrophil aging in sickle cell disease mice is associated with impaired osteoblast functions. <i>Biochemistry and Biophysics Reports</i> , 2018, 16, 110-114.	0.7	8
2099	Harnessing Lysosomal pH through PLGA Nanoemulsion as a Treatment of Lysosomal-Related Neurodegenerative Diseases. <i>Bioconjugate Chemistry</i> , 2018, 29, 4083-4089.	1.8	20
2100	BUBR1 Insufficiency Is Correlated with eNOS Reduction Experimentally In Vitro and In Vivo, and in Gastric Cancer Tissue. <i>Anticancer Research</i> , 2018, 38, 6099-6106.	0.5	5
2101	Disruption of Adipokinetic Hormone Mediated Energy Homeostasis Has Subtle Effects on Physiology, Behavior and Lipid Status During Aging in <i>Drosophila</i> . <i>Frontiers in Physiology</i> , 2018, 9, 949.	1.3	18
2102	A time to fast. <i>Science</i> , 2018, 362, 770-775.	6.0	339
2103	Repurposing Proteostasis-Modifying Drugs to Prevent or Treat Age-Related Dementia: A Systematic Review. <i>Frontiers in Physiology</i> , 2018, 9, 1520.	1.3	13
2104	Next-Generation Sequencing and Quantitative Proteomics of Hutchinson-Gilford progeria syndrome-derived cells point to a role of nucleotide metabolism in premature aging. <i>PLoS ONE</i> , 2018, 13, e0205878.	1.1	16

#	ARTICLE	IF	CITATIONS
2105	Neural Regulation of Metabolism. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	1
2106	Aging, inflammation and cancer. <i>Seminars in Immunology</i> , 2018, 40, 74-82.	2.7	103
2107	Estimates of the Heritability of Human Longevity Are Substantially Inflated due to Assortative Mating. <i>Genetics</i> , 2018, 210, 1109-1124.	1.2	139
2109	Autophagy Induction: A Promising Antiaging Strategy. , 2018, , 161-174.		0
2110	Computational Methods for Developing Novel Antiaging Interventions. , 2018, , 175-193.		7
2111	Intermittent Fasting-Dietary Restriction as a Geroprotector. , 2018, , 195-215.		1
2112	Tissue Engineering and Regenerative Medicine: A Translational Research for Antiaging Strategy. , 2018, , 47-66.		2
2113	Immune Modulation and Its Role in Antiaging. , 2018, , 111-132.		0
2114	Identity Noise and Adipogenic Traits Characterize Dermal Fibroblast Aging. <i>Cell</i> , 2018, 175, 1575-1590.e22.	13.5	168
2115	The nematode <i>Caenorhabditis elegans</i> as a model for aging research. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 3-13.	1.2	38
2116	The African turquoise killifish <i>Nothobranchius furzeri</i> as a model for aging research. <i>Drug Discovery Today: Disease Models</i> , 2018, 27, 15-22.	1.2	7
2117	Resilience to cognitive impairment in the oldest-old: design of the EMIF-AD 90+ study. <i>BMC Geriatrics</i> , 2018, 18, 289.	1.1	25
2118	<i>Pseudomonas aeruginosa</i> induces cellular senescence in lung tissue at the early stage of two-hit septic mice. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	3
2119	Study of Age-Related Changes in Compensatory Processes in the Model of Neurodegeneration of the Nigrostriatal System in Rats. <i>Advances in Gerontology</i> , 2018, 8, 302-308.	0.1	3
2120	Integrated analysis of the impact of age on genetic and clinical aspects of hepatocellular carcinoma. <i>Aging</i> , 2018, 10, 2079-2097.	1.4	6
2121	Temporal Integrative Analysis of mRNA and microRNAs Expression Profiles and Epigenetic Alterations in Female SAMP8, a Model of Age-Related Cognitive Decline. <i>Frontiers in Genetics</i> , 2018, 9, 596.	1.1	18
2122	Microglia in Neurological Diseases: A Road Map to Brain-Disease Dependent-Inflammatory Response. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 488.	1.8	482
2123	From Apparent to Real Age: Gender, Age, Ethnic, Makeup, and Expression Bias Analysis in Real Age Estimation. , 2018, , .		26

#	ARTICLE	IF	CITATIONS
2124	Age-Related Features of Resistance of the Nigrostriatal System under Proteasome Dysfunction in Rats. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2018, 54, 487-490.	0.2	0
2125	Sestrins are Gatekeepers in the Way from Stress to Aging and Disease. <i>Molecular Biology</i> , 2018, 52, 823-835.	0.4	12
2126	Spontaneous Cancers, But Not Many Induced Ones in Animals, Resemble Semi-New Organisms that Possess a Unique Programmed Cell Death Mode Different from Apoptosis, Senescent Death, Necrosis and Stress-Induced Cell Death. <i>Journal of Cancer</i> , 2018, 9, 4726-4735.	1.2	5
2127	Protective Mechanism of Adipose-Derived Stem Cells in Remodelling of the Skin Stem Cell Niche During Photoaging. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2456-2471.	1.1	14
2128	Increasing Neural Stem Cell Division Asymmetry and Quiescence Are Predicted to Contribute to the Age-Related Decline in Neurogenesis. <i>Cell Reports</i> , 2018, 25, 3231-3240.e8.	2.9	35
2129	Impaired immune surveillance accelerates accumulation of senescent cells and aging. <i>Nature Communications</i> , 2018, 9, 5435.	5.8	325
2130	Application of biological age assessment of Chinese population in potential anti-ageing technology. <i>Immunity and Ageing</i> , 2018, 15, 33.	1.8	13
2131	Age reprogramming and epigenetic rejuvenation. <i>Epigenetics and Chromatin</i> , 2018, 11, 73.	1.8	29
2132	Mitoproteomics: Tackling Mitochondrial Dysfunction in Human Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-26.	1.9	19
2133	T cell epigenetic remodeling and accelerated epigenetic aging are linked to long-term immune alterations in childhood cancer survivors. <i>Clinical Epigenetics</i> , 2018, 10, 138.	1.8	41
2134	Non-developmental dimensions of adult regeneration in Hydra. <i>International Journal of Developmental Biology</i> , 2018, 62, 373-381.	0.3	13
2135	Telomere maintenance during anterior regeneration and aging in the freshwater annelid <i>Aeolosoma viride</i> . <i>Scientific Reports</i> , 2018, 8, 18078.	1.6	7
2136	Paired Related Homeobox Protein 1 Regulates Quiescence in Human Oligodendrocyte Progenitors. <i>Cell Reports</i> , 2018, 25, 3435-3450.e6.	2.9	19
2137	Molecular mechanisms regulating lifespan and environmental stress responses. <i>Inflammation and Regeneration</i> , 2018, 38, 22.	1.5	10
2138	Angiogenesis: focusing on the effects of exercise in aging and cancer. <i>Journal of Exercise Nutrition & Biochemistry</i> , 2018, 22, 21-26.	1.3	23
2139	Blood Markers in Healthy-Aged Nonagenarians: A Combination of High Telomere Length and Low Amyloid β Are Strongly Associated With Healthy Aging in the Oldest Old. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 380.	1.7	2
2140	Role of Autophagy in Proteostasis: Friend and Foe in Cardiac Diseases. <i>Cells</i> , 2018, 7, 279.	1.8	34
2141	Contribution of Adipose Tissue Inflammation to the Development of Type 2 Diabetes Mellitus. , 2018, 9, 1-58.		217

#	ARTICLE	IF	CITATIONS
2142	Epigenetic Regulation of Skin Cells in Natural Aging and Premature Aging Diseases. <i>Cells</i> , 2018, 7, 268.	1.8	75
2143	The Effects of Mind-Body Exercise on Cognitive Performance in Elderly: A Systematic Review and Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2791.	1.2	88
2144	Immunosenescence of Natural Killer Cells, Inflammation, and Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2018, 2018, 1-9.	1.1	44
2145	Leukocyte Telomere Length and Chronic Conditions in Older Women of Northeast Brazil: A Cross-Sectional Study. <i>Cells</i> , 2018, 7, 193.	1.8	4
2147	Raman and infrared spectroscopy reveal that proliferating and quiescent human fibroblast cells age by biochemically similar but not identical processes. <i>PLoS ONE</i> , 2018, 13, e0207380.	1.1	13
2148	Effect of dietary additives on intestinal permeability in both <i>Drosophila</i> and a human cell co-culture. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	34
2149	Curcumin supplementation increases survival and lifespan in <i>Drosophila</i> under heat stress conditions. <i>BioFactors</i> , 2018, 44, 577-587.	2.6	21
2150	Forced turnover of aged microglia induces an intermediate phenotype but does not rebalance CNS environmental cues driving priming to immune challenge. <i>Acta Neuropathologica Communications</i> , 2018, 6, 129.	2.4	96
2151	Role of Endogenous Glucocorticoids in Cancer in the Elderly. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3774.	1.8	14
2152	The Synergy of Aging and LPS Exposure in a Mouse Model of Parkinson's Disease. , 2018, 9, 785.		24
2153	Oncogenic H-Ras Expression Induces Fatty Acid Profile Changes in Human Fibroblasts and Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3515.	1.8	18
2154	Age-related response to an acute innate immune challenge in mice: proteomics reveals a telomere maintenance-related cost. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181877.	1.2	10
2155	ALDH2 Activity Reduces Mitochondrial Oxygen Reserve Capacity in Endothelial Cells and Induces Senescence Properties. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	1.9	23
2156	Genomics: New Light on Alzheimer's Disease Research. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3771.	1.8	14
2157	Epigenetic Erosion in Adult Stem Cells: Drivers and Passengers of Aging. <i>Cells</i> , 2018, 7, 237.	1.8	15
2158	Walnut Consumption for Two Years and Leukocyte Telomere Attrition in Mediterranean Elders: Results of a Randomized Controlled Trial. <i>Nutrients</i> , 2018, 10, 1907.	1.7	26
2159	Telomere length as a biomarker of accelerated aging. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018, 21, 430-436.	1.3	25
2160	Physical Activity and Nutrition: Two Promising Strategies for Telomere Maintenance?. <i>Nutrients</i> , 2018, 10, 1942.	1.7	41

#	ARTICLE	IF	CITATIONS
2161	Dominance rank-associated gene expression is widespread, sex-specific, and a precursor to high social status in wild male baboons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12163-E12171.	3.3	53
2162	Mitochondrial Quality Control Mechanisms and the PHB (Prohibitin) Complex. <i>Cells</i> , 2018, 7, 238.	1.8	59
2163	Protein Quality Control in the Endoplasmic Reticulum and Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3020.	1.8	61
2164	Potential Mechanisms of Age Acceleration Caused by Estrogen Deprivation: Do Endocrine Therapies Carry the Same Risks?. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky035.	1.4	11
2165	Autophagy in Health and Disease. <i>Pancreatic Islet Biology</i> , 2018, , .	0.1	1
2166	Aging, Telomere Integrity, and Antioxidant Food. , 2018, , 241-261.		3
2167	Accurate Drug Repositioning through Non-tissue-Specific Core Signatures from Cancer Transcriptomes. <i>Cell Reports</i> , 2018, 25, 523-535.e5.	2.9	20
2168	Young bone marrow Sca ¹ cells protect aged retina from ischaemia-reperfusion injury through activation of FGF ² . <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6176-6189.	1.6	15
2169	Vive la radiorésistance!: converging research in radiobiology and biogerontology to enhance human radioresistance for deep space exploration and colonization. <i>Oncotarget</i> , 2018, 9, 14692-14722.	0.8	62
2170	Drug Synergy Slows Aging and Improves Healthspan through IGF and SREBP Lipid Signaling. <i>Developmental Cell</i> , 2018, 47, 67-79.e5.	3.1	60
2171	Osteogenesis and aging: lessons from mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2018, 9, 244.	2.4	201
2172	Immunosenescence and lymphomagenesis. <i>Immunity and Ageing</i> , 2018, 15, 22.	1.8	30
2173	Senescence of bone marrow-derived mesenchymal stem cells from patients with idiopathic pulmonary fibrosis. <i>Stem Cell Research and Therapy</i> , 2018, 9, 257.	2.4	70
2174	Characterization of Senescence of Human Adipose-Derived Stem Cells After Long-Term Expansion. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1084, 109-128.	0.8	44
2175	Aging of the Bone. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1086, 189-197.	0.8	16
2176	Targeting senescence to delay progression of multiple sclerosis. <i>Journal of Molecular Medicine</i> , 2018, 96, 1153-1166.	1.7	30
2177	Blank spots on the map: some current questions on nuclear organization and genome architecture. <i>Histochemistry and Cell Biology</i> , 2018, 150, 579-592.	0.8	24
2178	Histone Modifications in Aging: The Underlying Mechanisms and Implications. <i>Current Stem Cell Research and Therapy</i> , 2018, 13, 125-135.	0.6	48

#	ARTICLE	IF	CITATIONS
2179	Ageing Kidney and Ageing-Related Disease. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1086, 169-187.	0.8	16
2180	Brain Aging: Hsp90 and Neurodegenerative Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1086, 93-103.	0.8	15
2181	Leukocyte telomere length in patients with bipolar disorder: An updated meta-analysis and subgroup analysis by mood status. <i>Psychiatry Research</i> , 2018, 270, 41-49.	1.7	53
2182	Epigenetic influences on aging: a longitudinal genome-wide methylation study in old Swedish twins. <i>Epigenetics</i> , 2018, 13, 975-987.	1.3	65
2183	G Protein-Coupled Receptor Systems as Crucial Regulators of DNA Damage Response Processes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2919.	1.8	26
2184	Ageing, Cellular Senescence and Neurodegenerative Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2937.	1.8	248
2185	Whey protein concentrate supplementation protects erythrocyte membrane from aging-induced alterations in rats. <i>Journal of Food Biochemistry</i> , 2018, 42, e12679.	1.2	6
2186	TRF1 as a major contributor for telomeres' shortening in the context of obesity. <i>Free Radical Biology and Medicine</i> , 2018, 129, 286-295.	1.3	15
2187	The integration of inflammaging in age-related diseases. <i>Seminars in Immunology</i> , 2018, 40, 17-35.	2.7	234
2188	Biomedical Research in Aging. , 2018, , 25-54.		0
2189	Reduction in the levels of CoQ biosynthetic proteins is related to an increase in lifespan without evidence of hepatic mitohormesis. <i>Scientific Reports</i> , 2018, 8, 14013.	1.6	9
2190	Novel targets for delaying aging: The importance of the liver and advances in drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 135, 39-49.	6.6	28
2191	Modulation of age related protein expression changes by gelam honey in cardiac mitochondrial rats. <i>Experimental Gerontology</i> , 2018, 113, 1-9.	1.2	6
2192	Inhibition by microbial metabolites of Chinese dark tea of age-related neurodegenerative disorders in senescence-accelerated mouse prone 8 (SAMP8) mice. <i>Food and Function</i> , 2018, 9, 5455-5462.	2.1	23
2193	Hyperphosphatemia Promotes Senescence of Myoblasts by Impairing Autophagy Through Ilk Overexpression, A Possible Mechanism Involved in Sarcopenia. , 2018, 9, 769.		28
2194	Implementing a method for studying longitudinal DNA methylation variability in association with age. <i>Epigenetics</i> , 2018, 13, 866-874.	1.3	13
2195	Emerging Connections: Synaptic Autophagy in Brain Aging and Disease. <i>Pancreatic Islet Biology</i> , 2018, , 135-152.	0.1	0
2196	Apelin/APJ system: A novel promising target for anti-aging intervention. <i>Clinica Chimica Acta</i> , 2018, 487, 233-240.	0.5	30

#	ARTICLE	IF	CITATIONS
2197	Linking cellular stress responses to systemic homeostasis. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 731-745.	16.1	320
2198	Advances and Current Challenges Associated with the Use of Human Induced Pluripotent Stem Cells in Modeling Neurodegenerative Disease. <i>Cells Tissues Organs</i> , 2018, 205, 331-349.	1.3	42
2199	Identification of key pathways and metabolic fingerprints of longevity in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2018, 113, 128-140.	1.2	50
2200	Age-dependent changes in intervertebral disc cell mitochondria and bioenergetics. , 2018, 36, 171-183.		26
2201	Effects of Acute and Chronic Exercise on Immunological Parameters in the Elderly Aged: Can Physical Activity Counteract the Effects of Aging?. <i>Frontiers in Immunology</i> , 2018, 9, 2187.	2.2	143
2202	Endothelial Cell Senescence in the Pathogenesis of Endothelial Dysfunction. , 2018, , .		10
2203	<scp>BRCA</scp> 1 and <scp>BARD</scp> 1 mediate apoptotic resistance but not longevity upon mitochondrial stress in <i>Caenorhabditis elegans</i>. <i>EMBO Reports</i> , 2018, 19, .	2.0	8
2204	Elevated serum Il-6 and adiponectin levels are associated with frailty and physical function in Chinese older adults. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 2013-2020.	1.3	52
2205	Mesenchymal Stem Cell Therapy for Aging Frailty. <i>Frontiers in Nutrition</i> , 2018, 5, 108.	1.6	38
2206	Mitochondria as a therapeutic target for common pathologies. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 865-886.	21.5	508
2207	Chrelin Signaling in Immunometabolism and Inflamm-Aging. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1090, 165-182.	0.8	15
2208	Molecular Basis and Emerging Strategies for Anti-aging Interventions. , 2018, , .		1
2209	Caloric restriction and cellular senescence. <i>Mechanisms of Ageing and Development</i> , 2018, 176, 19-23.	2.2	73
2210	Novel anti-aging gene NM_026333 contributes to proton-induced aging via NCX1-pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 125, 174-184.	0.9	10
2211	Pan-Cancer Landscape of Aberrant DNA Methylation across Human Tumors. <i>Cell Reports</i> , 2018, 25, 1066-1080.e8.	2.9	239
2212	Toward Using Fluorescent Nanodiamonds To Study Chronological Aging in <i>Saccharomyces cerevisiae</i>. <i>Analytical Chemistry</i> , 2018, 90, 13506-13513.	3.2	20
2213	Interaction of neuropeptide F and diet levels effects carbonyl levels in grasshoppers. <i>Experimental Gerontology</i> , 2018, 113, 186-192.	1.2	0
2214	Hacking Aging: A Strategy to Use Big Data From Medical Studies to Extend Human Life. <i>Frontiers in Genetics</i> , 2018, 9, 483.	1.1	10

#	ARTICLE	IF	CITATIONS
2215	Manipulation of Mitochondrial Function by Polyphenols for New Treatment Strategies. , 2018, , 277-292.		1
2216	Transcriptional and Epigenetic Regulation by the Mechanistic Target of Rapamycin Complex 1 Pathway. Journal of Molecular Biology, 2018, 430, 4874-4890.	2.0	22
2217	Telomere length and its association with hippocampal gray matter volume in antipsychotic-naïve/free schizophrenia patients. Psychiatry Research - Neuroimaging, 2018, 282, 11-17.	0.9	9
2218	Fuchs Endothelial Corneal Dystrophy Through the Prism of Oxidative Stress. Cornea, 2018, 37, S50-S54.	0.9	56
2219	Polyamine Metabolism and Gene Methylation in Conjunction with One-Carbon Metabolism. International Journal of Molecular Sciences, 2018, 19, 3106.	1.8	70
2220	Role of Autophagy in Aging of Hematopoietic Stem Cells and Their Niche: Relevance in Clinical Transplantations and Regenerative Medicine. Pancreatic Islet Biology, 2018, , 31-45.	0.1	0
2221	Major trauma and acceleration of the ageing process. Ageing Research Reviews, 2018, 48, 32-39.	5.0	12
2222	Mice lacking RAP1 show early onset and higher rates of DEN-induced hepatocellular carcinomas in female mice. PLoS ONE, 2018, 13, e0204909.	1.1	12
2223	Fighting the Cause of Alzheimer's and GNE Myopathy. Frontiers in Neuroscience, 2018, 12, 669.	1.4	7
2224	Role of Nutraceuticals in Modulation of Gut-Brain Axis in Elderly Persons. , 2018, , .		2
2225	Geroscience. , 2018, , 55-62.		0
2226	Effect of advanced age and/or systemic medical conditions on dental implant survival: A systematic review and meta-analysis. Clinical Oral Implants Research, 2018, 29, 311-330.	1.9	105
2227	Somatic mutant clones colonize the human esophagus with age. Science, 2018, 362, 911-917.	6.0	805
2228	Pleiotropic effects of metformin: Shaping the microbiome to manage type 2 diabetes and postpone ageing. Ageing Research Reviews, 2018, 48, 87-98.	5.0	80
2229	Sodium butyrate improves memory and modulates the activity of histone deacetylases in aged rats after the administration of d-galactose. Experimental Gerontology, 2018, 113, 209-217.	1.2	20
2231	Quantifying resilience of humans and other animals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11883-11890.	3.3	204
2232	Clinical outcomes and prognostic factors in patients directly transferred to the intensive care unit from long-term care beds in institutions and hospitals: a retrospective clinical study. BMC Geriatrics, 2018, 18, 259.	1.1	6
2233	Evolution favours aging in populations with assortative mating and in sexually dimorphic populations. Scientific Reports, 2018, 8, 16072.	1.6	6

#	ARTICLE	IF	CITATIONS
2234	The RNA world of human ageing. <i>Human Genetics</i> , 2018, 137, 865-879.	1.8	45
2235	Decelerated DNA methylation age predicts poor prognosis of breast cancer. <i>BMC Cancer</i> , 2018, 18, 989.	1.1	16
2236	Polyamine catabolism and oxidative damage. <i>Journal of Biological Chemistry</i> , 2018, 293, 18736-18745.	1.6	151
2237	Integrative analysis of gut microbiota composition, host colonic gene expression and intraluminal metabolites in aging C57BL/6J mice. <i>Aging</i> , 2018, 10, 930-950.	1.4	46
2238	Early Senescence and Leukocyte Telomere Shortening in SCHIZOPHRENIA: A Role for Cytomegalovirus Infection?. <i>Brain Sciences</i> , 2018, 8, 188.	1.1	11
2239	Epigenetic Modifications in Cardiovascular Aging and Diseases. <i>Circulation Research</i> , 2018, 123, 773-786.	2.0	180
2240	Gene Expression Analysis Reveals Novel Gene Signatures Between Young and Old Adults in Human Prefrontal Cortex. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 259.	1.7	27
2241	Ambiguous Effects of Autophagy Activation Following Hypoperfusion/Ischemia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2756.	1.8	31
2242	Age structure landscapes emerge from the equilibrium between aging and rejuvenation in bacterial populations. <i>Nature Communications</i> , 2018, 9, 3722.	5.8	34
2243	Sex-specific associations between telomere length and candidate miRNA expression in placenta. <i>Journal of Translational Medicine</i> , 2018, 16, 254.	1.8	19
2244	Cardiovascular aging: the unveiled enigma from bench to bedside. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 517-526.	0.6	7
2245	Facing up to the global challenges of ageing. <i>Nature</i> , 2018, 561, 45-56.	13.7	760
2246	Opposing Action of Hedgehog and Insulin Signaling Balances Proliferation and Autophagy to Determine Follicle Stem Cell Lifespan. <i>Developmental Cell</i> , 2018, 46, 720-734.e6.	3.1	20
2247	Pyruvate Protects against Cellular Senescence through the Control of Mitochondrial and Lysosomal Function in Dermal Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2522-2530.	0.3	30
2248	Genome organization and chromatin analysis identify transcriptional downregulation of insulin-like growth factor signaling as a hallmark of aging in developing B cells. <i>Genome Biology</i> , 2018, 19, 126.	3.8	29
2249	Developing a toolkit for the assessment and monitoring of musculoskeletal ageing. <i>Age and Ageing</i> , 2018, 47, iv1-iv19.	0.7	25
2250	Mechanisms of Vascular Aging. <i>Circulation Research</i> , 2018, 123, 849-867.	2.0	512
2251	Heart-Breaking Telomeres. <i>Circulation Research</i> , 2018, 123, 787-802.	2.0	50

#	ARTICLE	IF	CITATIONS
2252	Mouse Models to Disentangle the Hallmarks of Human Aging. <i>Circulation Research</i> , 2018, 123, 905-924.	2.0	79
2253	Time and the Metrics of Aging. <i>Circulation Research</i> , 2018, 123, 740-744.	2.0	143
2254	Upregulation of dNTP Levels After Telomerase Inactivation Influences Telomerase-Independent Telomere Maintenance Pathway Choice in <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2551-2558.	0.8	9
2255	Aging and Aging-Related Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	15
2256	Understanding lamin proteins and their roles in aging and cardiovascular diseases. <i>Life Sciences</i> , 2018, 212, 20-29.	2.0	12
2257	The Systems Biology of Single-Cell Aging. <i>IScience</i> , 2018, 7, 154-169.	1.9	22
2258	Translational geroscience: From invertebrate models to companion animal and human interventions. <i>Translational Medicine of Aging</i> , 2018, 2, 15-29.	0.6	20
2259	Age-Related Changes in Glucose Metabolism, Hyperglycemia, and Cardiovascular Risk. <i>Circulation Research</i> , 2018, 123, 886-904.	2.0	226
2260	An interplay between multiple sirtuins promotes completion of DNA replication in cells with short telomeres. <i>PLoS Genetics</i> , 2018, 14, e1007356.	1.5	8
2261	Understanding Epigenetics in the Neurodegeneration of Alzheimer's Disease: SAMP8 Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 943-963.	1.2	67
2262	Aging in a Dish: iPSC-Derived and Directly Induced Neurons for Studying Brain Aging and Age-Related Neurodegenerative Diseases. <i>Annual Review of Genetics</i> , 2018, 52, 271-293.	3.2	206
2263	Royal Jelly Delays Motor Functional Impairment During Aging in Genetically Heterogeneous Male Mice. <i>Nutrients</i> , 2018, 10, 1191.	1.7	22
2264	Somatic Mutagenesis in Mammals and Its Implications for Human Disease and Aging. <i>Annual Review of Genetics</i> , 2018, 52, 397-419.	3.2	83
2265	Epigenetic Age in Male Combat-Exposed War Veterans: Associations with Posttraumatic Stress Disorder Status. <i>Molecular Neuropsychiatry</i> , 2018, 4, 90-99.	3.0	35
2266	Healthy ageing and the science of longevity in dogs. Part II: a life course perspective. <i>Companion Animal</i> , 2018, 23, 514-522.	0.0	1
2267	Effects of aging on liver microcirculatory function and sinusoidal phenotype. <i>Aging Cell</i> , 2018, 17, e12829.	3.0	92
2268	Polycomb Proteins and their Roles in Skin Development and Regeneration. <i>Contributions To Management Science</i> , 2018, , 75-104.	0.4	0
2269	Probing the network structure of health deficits in human aging. <i>Physical Review E</i> , 2018, 98, .	0.8	16

#	ARTICLE	IF	CITATIONS
2270	Aging-related changes of EEG synchronization during a visual working memory task. <i>Cognitive Neurodynamics</i> , 2018, 12, 561-568.	2.3	14
2271	Updates on Old and Weary Haematopoiesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2567.	1.8	21
2272	Rank-Related Contrasts in Longevity Arise from Extra-Group Excursions Not Delayed Senescence in a Cooperative Mammal. <i>Current Biology</i> , 2018, 28, 2934-2939.e4.	1.8	31
2273	The Role of Advanced Glycation End Products in Aging and Metabolic Diseases: Bridging Association and Causality. <i>Cell Metabolism</i> , 2018, 28, 337-352.	7.2	371
2274	A framework for selection of blood-based biomarkers for geroscience-guided clinical trials: report from the TAME Biomarkers Workgroup. <i>GeroScience</i> , 2018, 40, 419-436.	2.1	221
2275	Glutathione as a Marker for Human Disease. <i>Advances in Clinical Chemistry</i> , 2018, 87, 141-159.	1.8	115
2276	Immune cells and inflammation in AKI to CKD progression. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1501-F1512.	1.3	152
2277	Evaluating intrinsic and non-intrinsic cancer risk factors. <i>Nature Communications</i> , 2018, 9, 3490.	5.8	218
2278	A microfluidic platform for lifelong high-resolution and high throughput imaging of subtle aging phenotypes in <i>C. elegans</i> . <i>Lab on A Chip</i> , 2018, 18, 3090-3100.	3.1	24
2279	Enhancing Lysosomal Activation Restores Neural Stem Cell Function During Aging. <i>Journal of Experimental Neuroscience</i> , 2018, 12, 117906951879587.	2.3	6
2280	The Basics of Biogerontology. , 2018, , .		1
2281	Healthy ageing: the natural consequences of good nutritionâ€”a conference report. <i>European Journal of Nutrition</i> , 2018, 57, 15-34.	1.8	58
2282	Nutritional Regulation of Intestinal Stem Cells. <i>Annual Review of Nutrition</i> , 2018, 38, 273-301.	4.3	44
2283	Switching off IMMP2L signaling drives senescence via simultaneous metabolic alteration and blockage of cell death. <i>Cell Research</i> , 2018, 28, 625-643.	5.7	37
2284	Low doses of DNA damaging agents extend <i>Saccharomyces cerevisiae</i> chronological lifespan by promoting entry into quiescence. <i>Experimental Gerontology</i> , 2018, 108, 189-200.	1.2	16
2285	Trend-analysis of dental hard-tissue conditions as function of tooth age. <i>Journal of Dentistry</i> , 2018, 74, 107-112.	1.7	17
2286	Social stress shortens lifespan in mice. <i>Aging Cell</i> , 2018, 17, e12778.	3.0	89
2287	The relationship of mammal survivorship and body mass modeled by metabolic and vitality theories. <i>Population Ecology</i> , 2018, 60, 111-125.	0.7	4

#	ARTICLE	IF	CITATIONS
2288	Exosomes, Stem Cells and MicroRNA. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	1
2289	Nucleolar Function in Lifespan Regulation. <i>Trends in Cell Biology</i> , 2018, 28, 662-672.	3.6	133
2290	Sleep disorders in the elderly: a growing challenge. <i>Psychogeriatrics</i> , 2018, 18, 155-165.	0.6	292
2291	Searching for a mitochondrial root to the decline in muscle function with ageing. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 435-440.	2.9	35
2292	Age associated decrease of sialin in salivary glands. <i>Biotechnic and Histochemistry</i> , 2018, 93, 505-511.	0.7	16
2293	The TORC1-Sch9 pathway as a crucial mediator of chronological lifespan in the yeast <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	39
2294	Biological Processes Modulating Longevity across Primates: A Phylogenetic Genome-Phenome Analysis. <i>Molecular Biology and Evolution</i> , 2018, 35, 1990-2004.	3.5	58
2295	A call to action in hematologic disorders: A report from the ASH scientific workshop on hematology and aging. <i>Journal of Geriatric Oncology</i> , 2018, 9, 287-290.	0.5	10
2296	Dietary polyphenols and neurogenesis: Molecular interactions and implication for brain ageing and cognition. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 456-470.	2.9	53
2297	Overexpression of <i>CYB</i> 5R3 and <i>NQO</i> 1, two <i>NAD</i> ⁺ -producing enzymes, mimics aspects of caloric restriction. <i>Aging Cell</i> , 2018, 17, e12767.	3.0	32
2298	Cellular Metabolism and Aging. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 155, 85-107.	0.9	33
2299	Extracellular <i>RNA</i> profiles with human age. <i>Aging Cell</i> , 2018, 17, e12785.	3.0	27
2300	Tetrahydroxystilbene Glucoside Delayed Senile Symptoms in Old Mice via Regulation of the AMPK/SIRT1/PGC-1 β Signaling Cascade. <i>Gerontology</i> , 2018, 64, 457-465.	1.4	23
2301	Resveratrol and Related Stilbenoids, Nutraceutical/Dietary Complements with Health-Promoting Actions: Industrial Production, Safety, and the Search for Mode of Action. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 808-826.	5.9	38
2302	Mitochondrial unfolded protein response gene <i>Clpp</i> is required to maintain ovarian follicular reserve during aging, for oocyte competence, and development of pre-implantation embryos. <i>Aging Cell</i> , 2018, 17, e12784.	3.0	71
2303	Nutriepigenetics and cardiovascular disease. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018, 21, 252-259.	1.3	36
2304	Integrating the DNA damage and protein stress responses during cancer development and treatment. <i>Journal of Pathology</i> , 2018, 246, 12-40.	2.1	79
2305	Reduction of protein kinase A-mediated phosphorylation of ATXN1-S776 in Purkinje cells delays onset of Ataxia in a SCA1 mouse model. <i>Neurobiology of Disease</i> , 2018, 116, 93-105.	2.1	27

#	ARTICLE	IF	CITATIONS
2306	Deficient mitochondrial biogenesis in IL-2 activated NK cells correlates with impaired PGC1- β upregulation in elderly humans. <i>Experimental Gerontology</i> , 2018, 110, 73-78.	1.2	18
2307	Presynaptic neurodegeneration: CSP- β /DNAJC5 at the synaptic vesicle cycle and beyond. <i>Current Opinion in Physiology</i> , 2018, 4, 65-69.	0.9	5
2308	Biological Embedding of Psychosocial Stress Over the Life Course. , 2018, , 251-270.		8
2309	Repression of human and mouse brain inflammaging transcriptome by broad gene-body histone hyperacetylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7611-7616.	3.3	55
2310	Parity-Dependent Hemosiderin and Lipofuscin Accumulation in the Reproductively Aged Mouse Ovary. <i>Analytical Cellular Pathology</i> , 2018, 2018, 1-7.	0.7	12
2311	The Role of Free Radicals in Autophagy Regulation: Implications for Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-19.	1.9	49
2312	Epigenetic Modifications of the <i>p16^{INK4}</i> -Synuclein Gene and Relative Protein Content Are Affected by Ageing and Physical Exercise in Blood from Healthy Subjects. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	1.9	16
2313	Modifying progression of aging and reducing the risk of neurodegenerative diseases by probiotics and synbiotics. <i>Frontiers in Bioscience - Elite</i> , 2018, 10, 344-351.	0.9	14
2314	Modulation of Heat Shock Factor 1 Activity through Silencing of Ser303/Ser307 Phosphorylation Supports a Metabolic Program Leading to Age-Related Obesity and Insulin Resistance. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	8
2315	Inducers of Senescence, Toxic Compounds, and Senolytics: The Multiple Faces of Nrf2-Activating Phytochemicals in Cancer Adjuvant Therapy. <i>Mediators of Inflammation</i> , 2018, 2018, 1-32.	1.4	49
2316	DNA Methylation-Based Measures of Biological Aging. , 2018, , 39-64.		16
2317	Mitochondrial Metabolism and Aging in Yeast. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 1-33.	1.6	24
2318	The mitochondria in lung fibrosis: friend or foe?. <i>Translational Research</i> , 2018, 202, 1-23.	2.2	38
2320	Engrailed homeoprotein blocks degeneration in adult dopaminergic neurons through LINE1 repression. <i>EMBO Journal</i> , 2018, 37, .	3.5	65
2321	Therapeutic effects of telomerase in mice with pulmonary fibrosis induced by damage to the lungs and short telomeres. <i>ELife</i> , 2018, 7, .	2.8	88
2322	A polymorphism in the tumor suppressor p53 affects aging and longevity in mouse models. <i>ELife</i> , 2018, 7, .	2.8	36
2323	Genomic instability and DNA replication defects in progeroid syndromes. <i>Nucleus</i> , 2018, 9, 368-379.	0.6	46
2324	Epigenetics of T cell aging. <i>Journal of Leukocyte Biology</i> , 2018, 104, 691-699.	1.5	46

#	ARTICLE	IF	CITATIONS
2325	Resveratrol prolongs lifespan and improves 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced oxidative damage and behavioural deficits in <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1042-1048.	1.0	80
2326	Intellectual outcome after a cortical lesion with versus without epilepsy: A life span neurodevelopmental view. <i>Epilepsy and Behavior</i> , 2018, 85, 129-140.	0.9	2
2327	Higher spermidine intake is linked to lower mortality: a prospective population-based study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 371-380.	2.2	150
2328	Metabolomics: State-of-the-Art Technologies and Applications on <i>Drosophila melanogaster</i> . <i>Advances in Experimental Medicine and Biology</i> , 2018, 1076, 257-276.	0.8	7
2329	Holothuria scabra extracts possess anti-oxidant activity and promote stress resistance and lifespan extension in <i>Caenorhabditis elegans</i> . <i>Experimental Gerontology</i> , 2018, 110, 158-171.	1.2	36
2330	Mitohormesis, an Antiaging Paradigm. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 35-77.	1.6	111
2331	Coordinating Mitochondrial Biology Through the Stress-Responsive Regulation of Mitochondrial Proteases. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 79-128.	1.6	17
2332	The temporal sequence of improved mitochondrial function on the dynamics of respiration, mobility, and cognition in aged <i>Drosophila</i> . <i>Neurobiology of Aging</i> , 2018, 70, 140-147.	1.5	17
2333	ER Proteostasis Control of Neuronal Physiology and Synaptic Function. <i>Trends in Neurosciences</i> , 2018, 41, 610-624.	4.2	80
2334	Decreased mitochondrial respiration in aneurysmal aortas of Fibulin-4 mutant mice is linked to PGC1A regulation. <i>Cardiovascular Research</i> , 2018, 114, 1776-1793.	1.8	47
2335	Evaluation of Oxidative Stress in Cardiomyocytes during the Aging Process in Rats Treated with Resveratrol. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	22
2336	Targeting Oxidatively Induced DNA Damage Response in Cancer: Opportunities for Novel Cancer Therapies. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-21.	1.9	85
2337	Short-Duration Swimming Exercise after Myocardial Infarction Attenuates Cardiac Dysfunction and Regulates Mitochondrial Quality Control in Aged Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-16.	1.9	55
2338	miR-200a Modulates the Expression of the DNA Repair Protein OGG1 Playing a Role in Aging of Primary Human Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	1.9	28
2339	Boosting ATM activity alleviates aging and extends lifespan in a mouse model of progeria. <i>ELife</i> , 2018, 7, .	2.8	54
2340	Defective recruitment of motor proteins to autophagic compartments contributes to autophagic failure in aging. <i>Aging Cell</i> , 2018, 17, e12777.	3.0	33
2341	Epigenetic drift of H3K27me3 in aging links glycolysis to healthy longevity in <i>Drosophila</i> . <i>ELife</i> , 2018, 7, .	2.8	113
2342	Increased TFAM binding to mtDNA damage hot spots is associated with mtDNA loss in aged rat heart. <i>Free Radical Biology and Medicine</i> , 2018, 124, 447-453.	1.3	33

#	ARTICLE	IF	CITATIONS
2343	Inhibition of the acetyltransferase NAT10 normalizes progeric and aging cells by rebalancing the Transportin-1 nuclear import pathway. <i>Science Signaling</i> , 2018, 11, .	1.6	57
2344	Aging and chromatoid body assembly: Are these two physiological events linked?. <i>Experimental Biology and Medicine</i> , 2018, 243, 917-925.	1.1	5
2345	Transgenerational dynamics of rDNA copy number in <i>Drosophila</i> male germline stem cells. <i>ELife</i> , 2018, 7, .	2.8	56
2346	TGF- β signaling alters H4K20me3 status via miR-29 and contributes to cellular senescence and cardiac aging. <i>Nature Communications</i> , 2018, 9, 2560.	5.8	124
2347	Inhibition of oxidative stress in cholinergic projection neurons fully rescues aging-associated olfactory circuit degeneration in <i>Drosophila</i> . <i>ELife</i> , 2018, 7, .	2.8	21
2348	Epigenetic Mechanisms in Osteoporosis. , 2018, , 365-388.		3
2349	The Relevance of Induced Pluripotent Stem Cells for the Study of Physiological and Premature Aging. , 2018, , 311-334.		0
2350	Zur Dystopie der Unsterblichkeit. , 2018, , 231-246.		1
2351	Myeloid-derived suppressor cells (MDSC): an important partner in cellular/tissue senescence. <i>Biogerontology</i> , 2018, 19, 325-339.	2.0	51
2352	Novel Insights Into the Anti-aging Role of Mitophagy. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 169-208.	1.6	31
2353	Enoxacin extends lifespan of <i>C. elegans</i> by inhibiting miR-34-5p and promoting mitohormesis. <i>Redox Biology</i> , 2018, 18, 84-92.	3.9	44
2354	Activation of the DNA damage response in vivo in synucleinopathy models of Parkinson's disease. <i>Cell Death and Disease</i> , 2018, 9, 818.	2.7	85
2355	Serum vitamin C levels modulate the lifespan and endoplasmic reticulum stress response pathways in mice synthesizing a nonfunctional mutant WRN protein. <i>FASEB Journal</i> , 2018, 32, 3623-3640.	0.2	7
2356	ESRD-associated immune phenotype depends on dialysis modality and iron status: clinical implications. <i>Immunity and Ageing</i> , 2018, 15, 16.	1.8	47
2357	Inflammageing: chronic inflammation in ageing, cardiovascular disease, and frailty. <i>Nature Reviews Cardiology</i> , 2018, 15, 505-522.	6.1	1,760
2358	Regulation of proteasome assembly and activity in health and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 697-712.	16.1	320
2359	Cellular metabolism and oxidative stress as a possible determinant for longevity in small breed and large breed dogs. <i>PLoS ONE</i> , 2018, 13, e0195832.	1.1	35
2360	The reality of getting old. <i>Nature Reviews Cardiology</i> , 2018, 15, 499-500.	6.1	28

#	ARTICLE	IF	CITATIONS
2361	The Role of Uron and Chlorobenzene Derivatives, as Potential Endocrine Disrupting Compounds, in the Secretion of ACTH and PRL. <i>International Journal of Endocrinology</i> , 2018, 2018, 1-7.	0.6	2
2362	Signaling in the stem cell niche: regulating cell fate, function and plasticity. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	143
2363	Deletion of mitochondrial inorganic pyrophosphatase gene extends life span in haploid yeast (<i>Saccharomyces cerevisiae</i>). <i>Journal of Biodiversity Conservation and Bioresource Management</i> , 2018, 3, 69-76.	0.3	0
2364	An Overview of the Role of Lipofuscin in Age-Related Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2018, 12, 464.	1.4	247
2365	The Physiology of Homeoprotein Transduction. <i>Physiological Reviews</i> , 2018, 98, 1943-1982.	13.1	45
2366	The Spectrum of Fundamental Basic Science Discoveries Contributing to Organismal Aging. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1568-1584.	3.1	54
2367	The role of melatonin, a multitasking molecule, in retarding the processes of ageing. <i>Ageing Research Reviews</i> , 2018, 47, 198-213.	5.0	84
2368	Telomere Length as Cardiovascular Aging Biomarker. <i>Journal of the American College of Cardiology</i> , 2018, 72, 805-813.	1.2	105
2369	Targeting senescence. <i>Nature Medicine</i> , 2018, 24, 1092-1094.	15.2	22
2370	DNA methylation and the epigenetic clock in relation to physical frailty in older people: the Lothian Birth Cohort 1936. <i>Clinical Epigenetics</i> , 2018, 10, 101.	1.8	62
2371	Lymphohematopoietic Stem Cells and Their Aging. , 2018, , 1-16.		0
2372	Role of the Inflammation-Autophagy-Senescence Integrative Network in Osteoarthritis. <i>Frontiers in Physiology</i> , 2018, 9, 706.	1.3	100
2373	Age Differences in Age Perceptions and Developmental Transitions. <i>Frontiers in Psychology</i> , 2018, 9, 67.	1.1	43
2374	The ubiquitin ligase UBR5 suppresses proteostasis collapse in pluripotent stem cells from Huntington's disease patients. <i>Nature Communications</i> , 2018, 9, 2886.	5.8	77
2375	Cardiac ageing: extrinsic and intrinsic factors in cellular renewal and senescence. <i>Nature Reviews Cardiology</i> , 2018, 15, 523-542.	6.1	103
2376	Ageing-related increase in store-operated Ca ²⁺ influx in human ventricular fibroblasts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H83-H91.	1.5	11
2377	Keynote lecture: strategies for optimal cardiovascular aging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H183-H188.	1.5	43
2378	Resveratrol counteracts bone loss via mitofilin-mediated osteogenic improvement of mesenchymal stem cells in senescence-accelerated mice. <i>Theranostics</i> , 2018, 8, 2387-2406.	4.6	80

#	ARTICLE	IF	CITATIONS
2379	Lithocholic Acid Improves the Survival of <i>Drosophila Melanogaster</i> . <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800424.	1.5	11
2380	Tetraploidy in cancer and its possible link to aging. <i>Cancer Science</i> , 2018, 109, 2632-2640.	1.7	41
2381	Impact of epigenetics in aging and age related neurodegenerative diseases. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1445-1464.	3.0	22
2382	Role of lncRNAs in aging and age-related diseases. <i>Aging Medicine (Milton (N S W))</i> , 2018, 1, 158-175.	0.9	57
2383	In vivo somatic cell reprogramming for tissue regeneration: the emerging role of the local microenvironment. <i>Current Opinion in Cell Biology</i> , 2018, 55, 119-128.	2.6	3
2384	Mitochondrial quality control mechanisms as molecular targets in cardiac ageing. <i>Nature Reviews Cardiology</i> , 2018, 15, 543-554.	6.1	207
2385	A virus-acquired host cytokine controls systemic aging by antagonizing apoptosis. <i>PLoS Biology</i> , 2018, 16, e2005796.	2.6	8
2386	Impact of Long-Term RF-EMF on Oxidative Stress and Neuroinflammation in Aging Brains of C57BL/6 Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2103.	1.8	27
2387	The Molecular Intersection Between Senescence and Major Depression in the Elderly. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 1097-1105.	0.6	25
2388	Inflammaging: a new immune metabolic viewpoint for age-related diseases. <i>Nature Reviews Endocrinology</i> , 2018, 14, 576-590.	4.3	1,643
2389	<i>Lactobacillus paracasei</i> PS23 Delays Progression of Age-Related Cognitive Decline in Senescence Accelerated Mouse Prone 8 (SAMP8) Mice. <i>Nutrients</i> , 2018, 10, 894.	1.7	61
2390	Clonal expansion of mitochondrial DNA deletions is a private mechanism of aging in long-lived animals. <i>Aging Cell</i> , 2018, 17, e12814.	3.0	32
2391	Mitophagy in Cardiomyocytes and in Platelets: A Major Mechanism of Cardioprotection Against Ischemia/Reperfusion Injury. <i>Physiology</i> , 2018, 33, 86-98.	1.6	38
2392	The Aging Mitochondria. <i>Genes</i> , 2018, 9, 22.	1.0	78
2393	Molecular and Cellular Mechanisms of Aging and Age-related Disorders. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2049.	1.8	14
2394	The Role of Na/K-ATPase Signaling in Oxidative Stress Related to Aging: Implications in Obesity and Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2139.	1.8	32
2395	Alcohol enhances type 1 interferon- β production and mortality in young mice infected with <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007174.	2.1	13
2396	DICER1: A Key Player in Rheumatoid Arthritis, at the Crossroads of Cellular Stress, Innate Immunity, and Chronic Inflammation in Aging. <i>Frontiers in Immunology</i> , 2018, 9, 1647.	2.2	14

#	ARTICLE	IF	CITATIONS
2397	Diabetes Mellitus; Diagnosis and Treatment in the Elderly. , 2018, , 133-140.		0
2398	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. <i>Ageing Research Reviews</i> , 2018, 47, 214-277.	5.0	309
2400	Marine derived bioactive compounds for treatment of Alzheimer rsquo s disease. <i>Frontiers in Bioscience - Elite</i> , 2018, 10, 537-548.	0.9	11
2401	Effect of a 12-month exercise intervention on leukocyte telomere length: Results from the ALPHA Trial. <i>Cancer Epidemiology</i> , 2018, 56, 67-74.	0.8	21
2402	The Therapeutic Potential of Metformin in Neurodegenerative Diseases. <i>Frontiers in Endocrinology</i> , 2018, 9, 400.	1.5	203
2403	Fernblock Prevents Dermal Cell Damage Induced by Visible and Infrared A Radiation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2250.	1.8	28
2404	Age Is Relativeâ€”Impact of Donor Age on Induced Pluripotent Stem Cell-Derived Cell Functionality. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 4.	1.1	42
2405	Vascular Senescence in Cardiovascular and Metabolic Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 18.	1.1	150
2406	Editorial: Non-Coding RNAs: Entwining Metabolism and Aging. <i>Frontiers in Endocrinology</i> , 2018, 9, 111.	1.5	4
2407	Aging Hallmarks: The Benefits of Physical Exercise. <i>Frontiers in Endocrinology</i> , 2018, 9, 258.	1.5	148
2408	Parallels in Immunometabolic Adipose Tissue Dysfunction with Ageing and Obesity. <i>Frontiers in Immunology</i> , 2018, 9, 169.	2.2	116
2409	Abnormal Epigenetic Regulation of Immune System during Aging. <i>Frontiers in Immunology</i> , 2018, 9, 197.	2.2	65
2410	Improved Immune Responses in Young and Aged Mice with Adjuvanted Vaccines against H1N1 Influenza Infection. <i>Frontiers in Immunology</i> , 2018, 9, 295.	2.2	22
2411	Role of Glial Immunity in Lifespan Determination: A Drosophila Perspective. <i>Frontiers in Immunology</i> , 2018, 9, 1362.	2.2	23
2412	Involvement of MicroRNAs in the Aging-Related Decline of CD28 Expression by Human T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1400.	2.2	13
2413	Metabolic Disorders in Chronic Lung Diseases. <i>Frontiers in Medicine</i> , 2017, 4, 246.	1.2	25
2414	Idiopathic Pulmonary Fibrosis: Aging, Mitochondrial Dysfunction, and Cellular Bioenergetics. <i>Frontiers in Medicine</i> , 2018, 5, 10.	1.2	115
2415	Treatment Outcomes of Tuberculosis at Asella Teaching Hospital, Ethiopia: Ten Yearsâ€™ Retrospective Aggregated Data. <i>Frontiers in Medicine</i> , 2018, 5, 38.	1.2	16

#	ARTICLE	IF	CITATIONS
2416	Genomic Instabilities, Cellular Senescence, and Aging: In Vitro, In Vivo and Aging-Like Human Syndromes. <i>Frontiers in Medicine</i> , 2018, 5, 104.	1.2	60
2417	Stem Cell Transcription Factor FoxO Controls Microbiome Resilience in Hydra. <i>Frontiers in Microbiology</i> , 2018, 9, 629.	1.5	24
2418	U1 snRNP Alteration and Neuronal Cell Cycle Reentry in Alzheimer Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 75.	1.7	16
2419	Recent Advances: Decoding Alzheimer's Disease With Stem Cells. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 77.	1.7	26
2420	Interplay Between the Autophagy-Lysosomal Pathway and the Ubiquitin-Proteasome System: A Target for Therapeutic Development in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 126.	1.8	62
2421	Cancer Imprints an Increased PARP-1 and p53-Dependent Resistance to Oxidative Stress on Lymphocytes of Patients That Later Develop Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 58.	1.4	8
2422	The Emerging Roles for Telomerase in the Central Nervous System. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 160.	1.4	54
2423	Monoamine oxidase-A is a novel driver of stress-induced premature senescence through inhibition of parkin-mediated mitophagy. <i>Aging Cell</i> , 2018, 17, e12811.	3.0	78
2424	The aging lung: tissue telomere shortening in health and disease. <i>Respiratory Research</i> , 2018, 19, 95.	1.4	46
2425	The Guardian of the Genome Revisited: p53 Downregulates Genes Required for Telomere Maintenance, DNA Repair, and Centromere Structure. <i>Cancers</i> , 2018, 10, 135.	1.7	93
2426	Autophagy in Age-Associated Neurodegeneration. <i>Cells</i> , 2018, 7, 37.	1.8	87
2427	Targeting Mitochondria to Counteract Age-Related Cellular Dysfunction. <i>Genes</i> , 2018, 9, 165.	1.0	40
2428	Epigenetic Mechanisms Impacting Aging: A Focus on Histone Levels and Telomeres. <i>Genes</i> , 2018, 9, 201.	1.0	61
2429	Chromatin Architectural Changes during Cellular Senescence and Aging. <i>Genes</i> , 2018, 9, 211.	1.0	60
2430	Telomere Maintenance Mechanisms in Cancer. <i>Genes</i> , 2018, 9, 241.	1.0	91
2431	Mechanisms of vascular aging: What can we learn from Hutchinson-Gilford progeria syndrome?. <i>Clínica e Investigación En Arteriosclerosis (English Edition)</i> , 2018, 30, 120-132.	0.1	1
2432	Senolytic drugs in respiratory medicine: is it an appropriate therapeutic approach?. <i>Expert Opinion on Investigational Drugs</i> , 2018, 27, 573-581.	1.9	18
2433	Unveiling the Musica Universalis of the Cell: A Brief History of Biological 12-Hour Rhythms. <i>Journal of the Endocrine Society</i> , 2018, 2, 727-752.	0.1	38

#	ARTICLE	IF	CITATIONS
2434	Asymmetric Segregation of Aged Spindle Pole Bodies During Cell Division: Mechanisms and Relevance Beyond Budding Yeast?. <i>BioEssays</i> , 2018, 40, e1800038.	1.2	15
2435	Aging With HIV and Oxidative Stress. , 2018, , 37-50.		1
2436	Ancient drug curcumin impedes 26S proteasome activity by direct inhibition of dual-specificity tyrosine-regulated kinase 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8155-8160.	3.3	121
2437	Telomere Homeostasis: Interplay with Magnesium. <i>International Journal of Molecular Sciences</i> , 2018, 19, 157.	1.8	31
2438	Articular Cartilage Aging-Potential Regenerative Capacities of Cell Manipulation and Stem Cell Therapy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 623.	1.8	18
2439	DNA Methyltransferases, DNA Methylation, and Age-Associated Cognitive Function. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1315.	1.8	105
2440	Activating the Anaphase Promoting Complex to Enhance Genomic Stability and Prolong Lifespan. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1888.	1.8	16
2441	Mitochondria, Oxidative Stress and the Kynurenine System, with a Focus on Ageing and Neuroprotection. <i>Molecules</i> , 2018, 23, 191.	1.7	142
2442	Differences in the Effects of EGCG on Chromosomal Stability and Cell Growth between Normal and Colon Cancer Cells. <i>Molecules</i> , 2018, 23, 788.	1.7	43
2443	Anthropometric and Dietary Factors as Predictors of DNA Damage in Obese Women. <i>Nutrients</i> , 2018, 10, 578.	1.7	26
2444	Whey Protein Concentrate WPC-80 Improves Antioxidant Defense Systems in the Salivary Glands of 14-Month Wistar Rats. <i>Nutrients</i> , 2018, 10, 782.	1.7	22
2445	Whole-transcriptome changes in gene expression accompany aging of sensory neurons in <i>Aplysia californica</i> . <i>BMC Genomics</i> , 2018, 19, 529.	1.2	30
2446	Altered monocyte phenotypes but not impaired peripheral T cell immunity may explain susceptibility of the elderly to develop tuberculosis. <i>Experimental Gerontology</i> , 2018, 111, 35-44.	1.2	21
2447	Aging-Induced Biological Changes and Cardiovascular Diseases. <i>BioMed Research International</i> , 2018, 2018, 1-14.	0.9	66
2448	JNK signaling triggers spermatogonial dedifferentiation during chronic stress to maintain the germline stem cell pool in the <i>Drosophila</i> testis. <i>ELife</i> , 2018, 7, .	2.8	29
2449	DNA damage and oxidative stress in long-lived aquatic organisms. <i>DNA Repair</i> , 2018, 69, 14-23.	1.3	16
2450	The aging heart. <i>Clinical Science</i> , 2018, 132, 1367-1382.	1.8	80
2451	Osthole Delays Tert-Butyl Hydroperoxide-Induced Premature Senescence in Neural Stem Cells. <i>Cellular Reprogramming</i> , 2018, 20, 268-274.	0.5	3

#	ARTICLE	IF	CITATIONS
2452	TORC1 inhibition enhances immune function and reduces infections in the elderly. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	323
2453	Muscle Stem Cells and Aging. <i>Current Topics in Developmental Biology</i> , 2018, 126, 299-322.	1.0	50
2454	Plasma proteomic signature of age in healthy humans. <i>Aging Cell</i> , 2018, 17, e12799.	3.0	325
2455	Autophagy as a promoter of longevity: insights from model organisms. <i>Nature Reviews Molecular Cell Biology</i> , 2018, 19, 579-593.	16.1	513
2456	Modeling Neuropsychiatric and Neurodegenerative Diseases With Induced Pluripotent Stem Cells. <i>Frontiers in Pediatrics</i> , 2018, 6, 82.	0.9	16
2457	With Great Age Comes Great Metastatic Ability: Ovarian Cancer and the Appeal of the Aging Peritoneal Microenvironment. <i>Cancers</i> , 2018, 10, 230.	1.7	27
2458	Targeting Protein Quality Control Mechanisms by Natural Products to Promote Healthy Ageing. <i>Molecules</i> , 2018, 23, 1219.	1.7	29
2459	Activation of AMPK-SIRT3 signaling is chondroprotective by preserving mitochondrial DNA integrity and function. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 1539-1550.	0.6	75
2460	Stem cell rejuvenation and the role of autophagy in age retardation by caloric restriction: An update. <i>Mechanisms of Ageing and Development</i> , 2018, 175, 46-54.	2.2	18
2461	Intestinal crypts recover rapidly from focal damage with coordinated motion of stem cells that is impaired by aging. <i>Scientific Reports</i> , 2018, 8, 10989.	1.6	24
2462	Long-Term Effects of Dietary Protein and Branched-Chain Amino Acids on Metabolism and Inflammation in Mice. <i>Nutrients</i> , 2018, 10, 918.	1.7	32
2463	Cellular senescence: a view throughout organismal life. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3553-3567.	2.4	44
2464	Microenvironment-Cell Nucleus Relationship in the Context of Oxidative Stress. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 23.	1.8	27
2465	Aging in a Relativistic Biological Space-Time. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 55.	1.8	4
2466	Idiopathic pulmonary fibrosis: pathogenesis and management. <i>Respiratory Research</i> , 2018, 19, 32.	1.4	339
2467	Human Aging and Cancer: Role of miRNA in Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1056, 137-152.	0.8	55
2468	Restoring Effects of Natural Anti-Oxidant Quercetin on Cellular Senescent Human Dermal Fibroblasts. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 853-873.	1.5	32
2469	Ageing: from inflammation to cancer. <i>Immunity and Ageing</i> , 2018, 15, 1.	1.8	166

#	ARTICLE	IF	CITATIONS
2470	Stem cells and anti-aging genes: double-edged sword“do the same job of life extension. Stem Cell Research and Therapy, 2018, 9, 3.	2.4	29
2472	Signaling Pathways Regulating Hematopoietic Stem Cell and Progenitor Aging. Current Stem Cell Reports, 2018, 4, 166-181.	0.7	15
2473	Asthma Over the Age of 65: All's Well That Ends Well. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 764-773.	2.0	37
2474	Adrenergic nerve degeneration in bone marrow drives aging of the hematopoietic stem cell niche. Nature Medicine, 2018, 24, 782-791.	15.2	253
2475	Impact of Age on Disease Progression and Microenvironment in Oral Cancer. Journal of Dental Research, 2018, 97, 1268-1276.	2.5	13
2476	Does dietary nitrate say NO to cardiovascular ageing? Current evidence and implications for research. Proceedings of the Nutrition Society, 2018, 77, 112-123.	0.4	30
2477	The longevity SNP rs2802292 uncovered: HSF1 activates stress-dependent expression of FOXO3 through an intronic enhancer. Nucleic Acids Research, 2018, 46, 5587-5600.	6.5	54
2478	Metformin directly targets the H3K27me3 demethylase KDM6A/UTX. Aging Cell, 2018, 17, e12772.	3.0	58
2479	Combined Inflammation and Metabolism Biomarker Indices of Robust and Impaired Physical Function in Older Adults. Journal of the American Geriatrics Society, 2018, 66, 1353-1359.	1.3	6
2480	Comprehensive map of age-associated splicing changes across human tissues and their contributions to age-associated diseases. Scientific Reports, 2018, 8, 10929.	1.6	46
2481	Intracellular and Intercellular Signalling Mechanisms following DNA Damage Are Modulated By PINK1. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-15.	1.9	5
2482	Cannabinoid 1 receptor signaling on GABAergic neurons influences astrocytes in the ageing brain. PLoS ONE, 2018, 13, e0202566.	1.1	12
2483	To Find and Destroy: Identification and Elimination of Senescent Cells. Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology, 2018, 12, 223-233.	0.3	1
2484	Mechanisms and consequences of oxidative stress in lung disease: therapeutic implications for an aging populace. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L642-L653.	1.3	95
2485	Assessment of the Aging of the Brown Adipose Tissue by ¹⁸ F-FDG PET/CT Imaging in the Progeria Mouse Model Lmna ^{fl/fl} . Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.4	7
2486	Telomeric epigenetic response mediated by Gadd45a regulates stem cell aging and lifespan. EMBO Reports, 2018, 19, .	2.0	14
2487	Measuring Immunological Age: From T Cell Repertoires to Populations. , 2018, , 1-62.		4
2488	The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation. Integrative and Comparative Biology, 2018, 58, 480-485.	0.9	39

#	ARTICLE	IF	CITATIONS
2489	mTORC Inhibitors as Broad-Spectrum Therapeutics for Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2325.	1.8	58
2490	Nasal delivery of nerve growth factor rescue hypogonadism by up-regulating GnRH and testosterone in aging male mice. <i>EBioMedicine</i> , 2018, 35, 295-306.	2.7	27
2491	Adult Sox2+ stem cell exhaustion in mice results in cellular senescence and premature aging. <i>Aging Cell</i> , 2018, 17, e12834.	3.0	24
2492	Endothelial Cell Metabolism in Atherosclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 82.	1.8	120
2493	Stress Runs Deep and Long: Identification of Molecular Biomarkers of Childhood Stress in Adults. <i>BioEssays</i> , 2018, 40, e1800126.	1.2	2
2494	An analysis of aging-related genes derived from the Genotype-Tissue Expression project (GTEx). <i>Cell Death Discovery</i> , 2018, 4, 26.	2.0	30
2495	An Oral Combination of Vitamins A, C, E, and Mg ⁺⁺ Improves Auditory Thresholds in Age-Related Hearing Loss. <i>Frontiers in Neuroscience</i> , 2018, 12, 527.	1.4	14
2496	Mitochondrial dysfunction in metabolism and ageing: shared mechanisms and outcomes?. <i>Biogerontology</i> , 2018, 19, 461-480.	2.0	44
2497	Myotonic Dystrophy—A Progeroid Disease?. <i>Frontiers in Neurology</i> , 2018, 9, 601.	1.1	34
2498	Bovine telomere dynamics and the association between telomere length and productive lifespan. <i>Scientific Reports</i> , 2018, 8, 12748.	1.6	28
2499	Biomarkers of Cellular Senescence and Skin Aging. <i>Frontiers in Genetics</i> , 2018, 9, 247.	1.1	258
2500	Methionine Restriction Extends Lifespan in Progeroid Mice and Alters Lipid and Bile Acid Metabolism. <i>Cell Reports</i> , 2018, 24, 2392-2403.	2.9	125
2501	Age-related gene expression profiles of immature human oocytes. <i>Molecular Human Reproduction</i> , 2018, 24, 469-477.	1.3	10
2502	Reduction in replication-independent endogenous DNA double-strand breaks promotes genomic instability during chronological aging in yeast. <i>FASEB Journal</i> , 2018, 32, 6252-6260.	0.2	14
2503	N-acetyl-cysteine attenuates oxidative damage and neurodegeneration in rat brain during aging. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 1189-1196.	0.7	22
2504	The Role of Pulmonary and Systemic Immunosenescence in Acute Lung Injury. , 2018, 9, 553.		34
2505	Natural genetic variation in <i>C. elegans</i> identified genomic loci controlling metabolite levels. <i>Genome Research</i> , 2018, 28, 1296-1308.	2.4	39
2506	Unveiling epigenetic regulation in cancer, aging, and rejuvenation with in vivo reprogramming technology. <i>Cancer Science</i> , 2018, 109, 2641-2650.	1.7	15

#	ARTICLE	IF	CITATIONS
2507	Aging and the immune system: An overview. <i>Journal of Immunological Methods</i> , 2018, 463, 21-26.	0.6	247
2508	The rate of telomere loss is related to maximum lifespan in birds. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160445.	1.8	109
2509	AAV9-mediated telomerase activation does not accelerate tumorigenesis in the context of oncogenic K-Ras-induced lung cancer. <i>PLoS Genetics</i> , 2018, 14, e1007562.	1.5	21
2510	Environmental Enrichment Improves Cognitive Deficits, AD Hallmarks and Epigenetic Alterations Presented in 5xFAD Mouse Model. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 224.	1.8	70
2511	Cannabinoid pharmacology/therapeutics in chronic degenerative disorders affecting the central nervous system. <i>Biochemical Pharmacology</i> , 2018, 157, 67-84.	2.0	75
2512	Quantitative phosphoproteomics reveals GTBP-1 regulating <i>C.elegans</i> lifespan at different environmental temperatures. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1962-1967.	1.0	15
2513	MYBL2 Supports DNA Double Strand Break Repair in Hematopoietic Stem Cells. <i>Cancer Research</i> , 2018, 78, 5767-5779.	0.4	30
2514	Suppression of Presymptomatic Oxidative Stress and Inflammation in Neurodegeneration by Grape-Derived Polyphenols. <i>Frontiers in Pharmacology</i> , 2018, 9, 867.	1.6	29
2515	A population neuroscience approach to the study of cerebral small vessel disease in midlife and late life: an invited review. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1117-H1136.	1.5	52
2516	PGC-1 β Protects RPE Cells of the Aging Retina against Oxidative Stress-Induced Degeneration through the Regulation of Senescence and Mitochondrial Quality Control. The Significance for AMD Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2317.	1.8	84
2517	The secretory phenotype of senescent astrocytes isolated from Wistar newborn rats changes with anti-inflammatory drugs, but does not have a short-term effect on neuronal mitochondrial potential. <i>Biogerontology</i> , 2018, 19, 415-433.	2.0	19
2518	The role of prehabilitation in frail surgical patients: A systematic review. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1356-1366.	0.7	80
2519	New mechanisms driving muscle stem cell regenerative decline with aging. <i>International Journal of Developmental Biology</i> , 2018, 62, 583-590.	0.3	18
2520	Genetic Code Expansion in Animals. <i>ACS Chemical Biology</i> , 2018, 13, 2375-2386.	1.6	77
2521	Adjustment of the lysosomal-mitochondrial axis for control of cellular senescence. <i>Ageing Research Reviews</i> , 2018, 47, 176-182.	5.0	68
2522	Aging: Antagonistic Pleiotropy Supported by Gut Eating. <i>Current Biology</i> , 2018, 28, R890-R892.	1.8	1
2523	Stem Cells in Dermatology and Anti-aging Care of the Skin. <i>Facial Plastic Surgery Clinics of North America</i> , 2018, 26, 425-437.	0.9	24
2524	Aging is an adaptation that selects in animals against disruption of homeostasis. <i>Medical Hypotheses</i> , 2018, 119, 68-78.	0.8	4

#	ARTICLE	IF	CITATIONS
2525	Improved age-related deficits in cognitive performance and affective-like behavior following acute, but not repeated, 8-OH-DPAT treatments in rats: regulation of hippocampal FADD. <i>Neurobiology of Aging</i> , 2018, 71, 115-126.	1.5	9
2526	Horizons in the evolution of aging. <i>BMC Biology</i> , 2018, 16, 93.	1.7	164
2527	The Telomerase Complex Directly Controls Hematopoietic Stem Cell Differentiation and Senescence in an Induced Pluripotent Stem Cell Model of Telomereopathy. <i>Frontiers in Genetics</i> , 2018, 9, 345.	1.1	18
2528	Intracellular protons accelerate aging and switch on aging hallmarks in mice. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9825-9837.	1.2	4
2529	The Dysfunctional MDM2-p53 Axis in Adipocytes Contributes to Aging-Related Metabolic Complications by Induction of Lipodystrophy. <i>Diabetes</i> , 2018, 67, 2397-2409.	0.3	36
2530	Extracellular Vesicles, Ageing, and Therapeutic Interventions. <i>Cells</i> , 2018, 7, 110.	1.8	35
2531	Colonoscopy in the very elderly. <i>British Medical Bulletin</i> , 2018, 127, 33-41.	2.7	9
2532	<i>Saccharomyces cerevisiae</i> : A Unicellular Model Genetic Organism of Enduring Importance. <i>Current Protocols in Essential Laboratory Techniques</i> , 2018, 16, e21.	2.6	13
2533	Hallmarks of Brain Aging: Adaptive and Pathological Modification by Metabolic States. <i>Cell Metabolism</i> , 2018, 27, 1176-1199.	7.2	721
2534	Chronic exposure to triadimenol at environmentally relevant concentration adversely affects aging biomarkers in <i>Caenorhabditis elegans</i> associated with insulin/IGF-1 signaling pathway. <i>Science of the Total Environment</i> , 2018, 640-641, 485-492.	3.9	29
2535	Temporal dynamics of microbiota before and after host death. <i>ISME Journal</i> , 2018, 12, 2076-2085.	4.4	21
2536	Epigenetics and aging research: Between adult malleability and early life programming. <i>BioSocieties</i> , 2018, 13, 715-736.	0.8	15
2537	How Do Chaperones Protect a Cell's Proteins from Oxidative Damage?. <i>Cell Systems</i> , 2018, 6, 743-751.e3.	2.9	22
2538	Effects of boron-containing compounds on cardiovascular disease risk factors – A review. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 47-56.	1.5	52
2539	Mitochondrial function is impaired in the skeletal muscle of pre-frail elderly. <i>Scientific Reports</i> , 2018, 8, 8548.	1.6	76
2540	Lung cellular senescence is independent of aging in a mouse model of COPD/emphysema. <i>Scientific Reports</i> , 2018, 8, 9023.	1.6	50
2541	Enhanced expression of thioredoxin-interacting protein regulates oxidative DNA damage and aging. <i>FEBS Letters</i> , 2018, 592, 2297-2307.	1.3	45
2542	Cancer-free aging: Insights from <i>Spalax ehrenbergi</i> superspecies. <i>Ageing Research Reviews</i> , 2018, 47, 18-23.	5.0	13

#	ARTICLE	IF	CITATIONS
2543	Chronic Obstructive Pulmonary Disease (COPD) as a disease of early aging: Evidence from the EpiChron Cohort. PLoS ONE, 2018, 13, e0193143.	1.1	70
2544	Dynamical analysis of cellular ageing by modeling of gene regulatory network based attractor landscape. PLoS ONE, 2018, 13, e0197838.	1.1	5
2545	Female Reproductive Aging. , 2018, , 109-130.		6
2546	Pathological modelling of pigmentation disorders associated with Hutchinson-Gilford Progeria Syndrome (HGPS) revealed an impaired melanogenesis pathway in iPS-derived melanocytes. Scientific Reports, 2018, 8, 9112.	1.6	5
2547	Comparative metabolomics of aging in a long-lived bat: Insights into the physiology of extreme longevity. PLoS ONE, 2018, 13, e0196154.	1.1	22
2548	The potential of non-myeloablative heterochronous autologous hematopoietic stem cell transplantation for extending a healthy life span. GeroScience, 2018, 40, 221-242.	2.1	15
2549	S-Adenosylmethionine Metabolism and Aging. , 2018, , 59-93.		3
2550	Histone Modification Changes During Aging. , 2018, , 309-328.		7
2551	Modeling Aging and Age-Associated Pathology in Zebrafish. , 2018, , 335-349.		0
2552	Invertebrates as Model Organisms for Research on Aging Biology —. , 2018, , 445-452.		2
2553	Hydra , a Model System for Deciphering the Mechanisms of Aging and Resistance to Aging. , 2018, , 507-520.		3
2554	Progeria Mouse Models. , 2018, , 689-701.		2
2555	Sex and the Aging Immune System. , 2018, , 803-830.		1
2556	Aging of Human Mesenchymal Stem Cells. , 2018, , 975-994.		2
2557	Helicases and Their Relevance to Aging. , 2018, , 995-1023.		0
2558	The Circadian Clock and the Aging Process. , 2018, , 1067-1081.		0
2559	Epigenome comparisons reveal linkage between gene expression and postnatal remodeling of chromatin domain topology. PLoS ONE, 2018, 13, e0191033.	1.1	0
2560	Identification of proteins interacting with the mitochondrial small heat shock protein Hsp22 of Drosophila melanogaster: Implication in mitochondrial homeostasis. PLoS ONE, 2018, 13, e0193771.	1.1	11

#	ARTICLE	IF	CITATIONS
2561	Aging in the Brain: New Roles of Epigenetics in Cognitive Decline. <i>Neuroscientist</i> , 2018, 24, 516-525.	2.6	73
2562	Polymeric microsphere-facilitated site-specific delivery of quercetin prevents senescence of pancreatic islets in vivo and improves transplantation outcomes in mouse model of diabetes. <i>Acta Biomaterialia</i> , 2018, 75, 287-299.	4.1	29
2563	Glucocorticoid-mediated modulation of morphological changes associated with aging in microglia. <i>Aging Cell</i> , 2018, 17, e12790.	3.0	30
2564	Catecholamine-Induced Senescence of Endothelial Cells and Bone Marrow Cells Promotes Cardiac Dysfunction in Mice. <i>International Heart Journal</i> , 2018, 59, 837-844.	0.5	22
2565	Proteasome-mediated proteostasis: Novel medicinal and pharmacological strategies for diseases. <i>Medicinal Research Reviews</i> , 2018, 38, 1916-1973.	5.0	29
2566	Impaired DNA demethylation of C/EBP sites causes premature aging. <i>Genes and Development</i> , 2018, 32, 742-762.	2.7	30
2567	Oxysterol Signatures Distinguish Age-Related Macular Degeneration from Physiologic Aging. <i>EBioMedicine</i> , 2018, 32, 9-20.	2.7	23
2568	Gut microbiome and aging: Physiological and mechanistic insights. <i>Nutrition and Healthy Aging</i> , 2018, 4, 267-285.	0.5	438
2569	Cellular stress alters 3'UTR landscape through alternative polyadenylation and isoform-specific degradation. <i>Nature Communications</i> , 2018, 9, 2268.	5.8	104
2570	Hsp90 inhibitors as senolytic drugs to extend healthy aging. <i>Cell Cycle</i> , 2018, 17, 1048-1055.	1.3	64
2571	Mitochondria and aging: A role for the mitochondrial transition pore?. <i>Aging Cell</i> , 2018, 17, e12793.	3.0	107
2572	Long-lived rodents reveal signatures of positive selection in genes associated with lifespan. <i>PLoS Genetics</i> , 2018, 14, e1007272.	1.5	39
2573	miRACA: A database for miRNAs associated with cancers and age related disorders (ARD). <i>Frontiers in Biology</i> , 2018, 13, 36-50.	0.7	0
2574	Autophagy and Fetal Programming. , 2018, , 225-235.		0
2575	The Epigenetic Regulation of Telomere Maintenance in Aging. , 2018, , 119-136.		4
2576	Multinutrient Approach to Slow Down Brain Aging and Related Neurodegenerative Disorders. , 2018, , 77-88.		0
2577	Sarcopenia. , 2018, , 19-26.		0
2578	Shelterin differentially respond to oxidative stress induced by TiO ₂ -NPs and regulate telomere length in human hepatocytes and Hepatocarcinoma cells in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 697-702.	1.0	11

#	ARTICLE	IF	CITATIONS
2579	Glycomic and Proteomic Changes in Aging Brain Nigrostriatal Pathway. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1778-1787.	2.5	27
2580	The causal relationship between epigenetic abnormality and cancer development: <i>in vivo</i> reprogramming and its future application. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2018, 94, 235-247.	1.6	6
2581	Yoga Meditation Lifestyle Intervention. , 2018, , 135-156.		0
2582	Nrf2: Molecular and epigenetic regulation during aging. <i>Ageing Research Reviews</i> , 2018, 47, 31-40.	5.0	127
2583	Proteofoms: Methods of Analysis and Clinical Prospects. <i>Molecular Biology</i> , 2018, 52, 335-349.	0.4	6
2584	Brain age and other bodily "ages": implications for neuropsychiatry. <i>Molecular Psychiatry</i> , 2019, 24, 266-281.	4.1	291
2585	Chemical screen identifies a geroprotective role of quercetin in premature aging. <i>Protein and Cell</i> , 2019, 10, 417-435.	4.8	88
2586	Breast cancer treatment and its effects on aging. <i>Journal of Geriatric Oncology</i> , 2019, 10, 346-355.	0.5	51
2588	Oxaloacetate decarboxylase FAHD1 is a new regulator of mitochondrial function and senescence. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 22-29.	2.2	16
2589	Polymorphism rs3819102 in thymidylate synthase and environmental factors: effects on lung cancer in Chinese population. <i>Current Problems in Cancer</i> , 2019, 43, 66-74.	1.0	6
2590	The three-dimensional organization of the genome in cellular senescence and age-associated diseases. <i>Seminars in Cell and Developmental Biology</i> , 2019, 90, 154-160.	2.3	20
2591	Biological and Social Theories of Aging. , 2019, , 20-29.		3
2592	Essential Physiological Differences Characterize Short- and Long-Lived Strains of <i>Drosophila melanogaster</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1835-1843.	1.7	9
2593	Influence of diet and metabolism on hematopoietic stem cells and leukemia development following ionizing radiation exposure. <i>International Journal of Radiation Biology</i> , 2019, 95, 452-479.	1.0	10
2594	Rapamycin Confers Neuroprotection Against Aging-Induced Oxidative Stress, Mitochondrial Dysfunction, and Neurodegeneration in Old Rats Through Activation of Autophagy. <i>Rejuvenation Research</i> , 2019, 22, 60-70.	0.9	33
2595	The ING1a model of rapid cell senescence. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 109-117.	2.2	7
2596	Stem Cell-Induced Pulp Regeneration Can Be Enhanced by Administration of CCL11-Neutralizing Antibody in the Ectopic Tooth Transplantation Model in the Aged Mice. <i>Rejuvenation Research</i> , 2019, 22, 51-59.	0.9	8
2597	Paradoxical Relationship Between Glycated Hemoglobin and Longitudinal Change in Physical Functioning in Older Adults: A Prospective Cohort Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 949-956.	1.7	8

#	ARTICLE	IF	CITATIONS
2598	Immune Deficiencies at the Extremes of Age. , 2019, , 535-543.e1.		3
2599	Vascular smooth muscle cell senescence and age-related diseases: State of the art. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1810-1821.	1.8	96
2600	Emerging topics in <i>C. elegans</i> aging research: Transcriptional regulation, stress response and epigenetics. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 4-21.	2.2	53
2601	Epigenetic Clock and Relative Telomere Length Represent Largely Different Aspects of Aging in the Berlin Aging Study II (BASE-II). <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 27-32.	1.7	59
2602	Diagnostic and Prognostic Relevance of Red Blood Cell Distribution Width for Vascular Aging and Cardiovascular Diseases. <i>Rejuvenation Research</i> , 2019, 22, 146-162.	0.9	25
2603	Senescence and senotherapeutics: a new field in cancer therapy. , 2019, 193, 31-49.		116
2604	Long non-coding RNA H19 regulates endothelial cell aging via inhibition of STAT3 signalling. <i>Cardiovascular Research</i> , 2019, 115, 230-242.	1.8	105
2605	Wnt signaling in bone, kidney, intestine, and adipose tissue and interorgan interaction in aging. <i>Annals of the New York Academy of Sciences</i> , 2019, 1442, 48-60.	1.8	49
2606	Particular Alimentations for Nutrition, Health and Pleasure. <i>Advances in Food and Nutrition Research</i> , 2019, 87, 371-408.	1.5	7
2607	Low Intake of Vitamin E Accelerates Cellular Aging in Patients With Established Cardiovascular Disease: The CORDIOPREV Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 770-777.	1.7	30
2608	Centenarians Overexpress Pluripotency-Related Genes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1391-1395.	1.7	11
2609	Age-Related Adverse Inflammatory and Metabolic Changes Begin Early in Adulthood. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 283-289.	1.7	15
2610	Linker histones and chromatin remodelling complexes maintain genome stability and control cellular ageing. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 55-65.	2.2	9
2611	Phenotypic instability of chondrocytes in osteoarthritis: on a path to hypertrophy. <i>Annals of the New York Academy of Sciences</i> , 2019, 1442, 17-34.	1.8	113
2612	Impact of aging on bone, marrow and their interactions. <i>Bone</i> , 2019, 119, 1-7.	1.4	18
2613	Acetylation of PGC1 β by Histone Deacetylase 1 Downregulation Is Implicated in Radiation-Induced Senescence of Brain Endothelial Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 787-793.	1.7	16
2614	Role of hypothalamus in aging and its underlying cellular mechanisms. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 74-79.	2.2	77
2615	Candidate Genes and MiRNAs Linked to the Inverse Relationship Between Cancer and Alzheimer's Disease: Insights From Data Mining and Enrichment Analysis. <i>Frontiers in Genetics</i> , 2019, 10, 846.	1.1	16

#	ARTICLE	IF	CITATIONS
2616	Deconstructing age reprogramming. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	4
2617	Reduction of blood IL-6 level on aged Sprague-Dawley rats treated with <i>Acalypha indica</i> Linn ethanolic extract. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
2618	Hallmarks of senescence and aging. <i>Biochemia Medica</i> , 2019, 29, 483-497.	1.2	187
2619	Resveratrol and SIRT1 Activators for the Treatment of Aging and Age-Related Diseases. , 0, , .		9
2620	Exosomal long noncoding RNAs in aging and age-related diseases. <i>IUBMB Life</i> , 2019, 71, 1846-1856.	1.5	27
2621	Emerging lysosomal pathways for quality control at the endoplasmic reticulum. <i>FEBS Letters</i> , 2019, 593, 2319-2329.	1.3	39
2622	The Molecular Physiology of Ageing: New Targets for Regenerative Medicine. , 2019, , 15-29.		0
2623	Expansion of Luminal Progenitor Cells in the Aging Mouse and Human Prostate. <i>Cell Reports</i> , 2019, 28, 1499-1510.e6.	2.9	56
2624	Proteasome Activation to Combat Proteotoxicity. <i>Molecules</i> , 2019, 24, 2841.	1.7	29
2625	Dietary Inflammatory Index in Ageing and Longevity. , 2019, , 71-86.		3
2626	Gut Microbiota Pattern of Centenarians. , 2019, , 149-160.		1
2627	Cerebrovascular disease: Neuroimaging of cerebral small vessel disease. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 165, 225-255.	0.9	16
2628	From molecular promise to preclinical results: HDAC inhibitors in the race for healthy aging drugs. <i>EMBO Molecular Medicine</i> , 2019, 11, e9854.	3.3	77
2629	Integration of Biochemical, Cellular, and Genetic Indicators for Understanding the Aging Process in a Bivalve Mollusk <i>Chlamys farreri</i> . <i>Marine Biotechnology</i> , 2019, 21, 718-730.	1.1	7
2630	Associations between a laboratory frailty index and adverse health outcomes across age and sex. <i>Aging Medicine (Milton (N S W))</i> , 2019, 2, 11-17.	0.9	23
2631	Prospects and challenges of imaging neuroinflammation beyond TSPO in Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2831-2847.	3.3	45
2632	Parkinson's Disease and Aging. <i>Advances in Gerontology</i> , 2019, 9, 164-173.	0.1	11
2633	MDT-15/MED15 permits longevity at low temperature via enhancing lipidostasis and proteostasis. <i>PLoS Biology</i> , 2019, 17, e3000415.	2.6	51

#	ARTICLE	IF	CITATIONS
2634	Allostatic load and ageing: linking the microbiome and nutrition with age-related health. <i>Biochemical Society Transactions</i> , 2019, 47, 1165-1172.	1.6	41
2635	Neuromuscular Junction as an Entity of Nerve-Muscle Communication. <i>Cells</i> , 2019, 8, 906.	1.8	50
2636	The metabolomics side of frailty: Toward personalized medicine for the aged. <i>Experimental Gerontology</i> , 2019, 126, 110692.	1.2	32
2637	Dietary restriction improves proteostasis and increases life span through endoplasmic reticulum hormesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17383-17392.	3.3	82
2638	The Aging Thyroid: A Reappraisal Within the Geroscience Integrated Perspective. <i>Endocrine Reviews</i> , 2019, 40, 1250-1270.	8.9	37
2639	Screening for genes that accelerate the epigenetic aging clock in humans reveals a role for the H3K36 methyltransferase NSD1. <i>Genome Biology</i> , 2019, 20, 146.	3.8	66
2640	A meta-analysis of genome-wide association studies identifies multiple longevity genes. <i>Nature Communications</i> , 2019, 10, 3669.	5.8	214
2641	Epigenetic aging is associated with clinical and experimental pain in community-dwelling older adults. <i>Molecular Pain</i> , 2019, 15, 174480691987181.	1.0	35
2643	Autophagic Control of Skin Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 143.	1.8	52
2644	Mitochondria in the signaling pathways that control longevity and health span. <i>Ageing Research Reviews</i> , 2019, 54, 100940.	5.0	118
2645	A Novel Pyrazolopyrimidine Ligand of Human PGK1 and Stress Sensor DJ1 Modulates the Shelterin Complex and Telomere Length Regulation. <i>Neoplasia</i> , 2019, 21, 893-907.	2.3	4
2646	Fine-Tuning of PGC1 β Expression Regulates Cardiac Function and Longevity. <i>Circulation Research</i> , 2019, 125, 707-719.	2.0	47
2647	Extracellular miRNAs: From Biomarkers to Mediators of Physiology and Disease. <i>Cell Metabolism</i> , 2019, 30, 656-673.	7.2	511
2648	Polyglucosan Bodies in Aged Brain and Neurodegeneration: Cause or Consequence?. , 2019, , 57-89.		5
2649	Genetics, Ageing and Human Health. , 2019, , 193-209.		0
2650	Genetic Syndromes and Aging. , 2019, , 211-239.		0
2651	Aldehyde Dehydrogenase 2 and Heart Failure. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1193, 89-106.	0.8	4
2652	Embryonic Stem Cells Modulate the Cancer-Permissive Microenvironment of Human Uveal Melanoma. <i>Theranostics</i> , 2019, 9, 4764-4778.	4.6	11

#	ARTICLE	IF	CITATIONS
2653	Mitophagy, Diseases, and Aging. , 2019, , 177-191.		0
2656	Mind-Body Wellness Program Benefits. , 2019, , 397-499.		0
2657	Chance and Causality in Ageing and Longevity. , 2019, , 1-21.		7
2658	Lifespan and Healthspan Extension by Nutraceuticals: An Overview. , 2019, , 169-179.		2
2659	Epigenetics and Ageing. , 2019, , 99-133.		3
2660	Sex Steroids, Cognate Receptors, and Aging. , 2019, , 265-296.		0
2661	Sorting out how Msp1 maintains mitochondrial membrane proteostasis. Mitochondrion, 2019, 49, 128-134.	1.6	9
2662	Post-replication repair: Rad5/HLTF regulation, activity on undamaged templates, and relationship to cancer. Critical Reviews in Biochemistry and Molecular Biology, 2019, 54, 301-332.	2.3	18
2663	Compartmentalized effects of aging on group 2 innate lymphoid cell development and function. Aging Cell, 2019, 18, e13019.	3.0	23
2664	Revamping the evolutionary theories of aging. Ageing Research Reviews, 2019, 55, 100947.	5.0	52
2665	Effect of different levels of exercise on telomere length: A systematic review and meta-analysis. Journal of Rehabilitation Medicine, 2019, 51, 473-478.	0.8	25
2666	Emerging Roles of Sestrins in Neurodegenerative Diseases: Counteracting Oxidative Stress and Beyond. Journal of Clinical Medicine, 2019, 8, 1001.	1.0	39
2667	Exercise-Induced Mitohormesis for the Maintenance of Skeletal Muscle and Healthspan Extension. Sports, 2019, 7, 170.	0.7	40
2668	Autophagy: An evolutionarily conserved process in the maintenance of stem cells and aging. Cell Biochemistry and Function, 2019, 37, 452-458.	1.4	30
2669	An expanding GSK3 network: implications for aging research. GeroScience, 2019, 41, 369-382.	2.1	58
2670	Discrete Changes in Glucose Metabolism Define Aging. Scientific Reports, 2019, 9, 10347.	1.6	42
2671	Measuring Aging and Identifying Aging Phenotypes in Cancer Survivors. Journal of the National Cancer Institute, 2019, 111, 1245-1254.	3.0	119
2672	Immunosenescence in wild animals: meta-analysis and outlook. Ecology Letters, 2019, 22, 1709-1722.	3.0	62

#	ARTICLE	IF	CITATIONS
2673	Zymolytic Grain Extract (ZGE) Significantly Extends the Lifespan and Enhances the Environmental Stress Resistance of <i>Caenorhabditis elegans</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 3489.	1.8	8
2674	Organ crosstalk: the potent roles of inflammation and fibrotic changes in the course of organ interactions. <i>Inflammation Research</i> , 2019, 68, 825-839.	1.6	47
2675	Early-onset aging and mitochondrial defects associated with loss of histone acetyltransferase 1 (Hat1). <i>Aging Cell</i> , 2019, 18, e12992.	3.0	26
2676	Structural characterization of life-extending <i>Caenorhabditis elegans</i> Lipid Binding Protein 8. <i>Scientific Reports</i> , 2019, 9, 9966.	1.6	8
2677	Intrarenal Renin-Angiotensin System Involvement in the Pathogenesis of Chronic Progressive Nephropathy Bridging the Informational Gap Between Disciplines. <i>Toxicologic Pathology</i> , 2019, 47, 799-816.	0.9	12
2678	Age-dependent dysregulation of redox genes may contribute to fibrotic pulmonary disease susceptibility. <i>Free Radical Biology and Medicine</i> , 2019, 141, 438-446.	1.3	12
2679	Exercise Training for the Elderly: Inflammaging and the Central Role for HSP70. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 97-115.	0.4	10
2680	Loss of Slug Compromises DNA Damage Repair and Accelerates Stem Cell Aging in Mammary Epithelium. <i>Cell Reports</i> , 2019, 28, 394-407.e6.	2.9	30
2681	Epigenetic Aging Clocks in Ecology and Evolution. <i>Trends in Ecology and Evolution</i> , 2019, 34, 767-770.	4.2	34
2682	Fibrates as drugs with senolytic and autophagic activity for osteoarthritis therapy. <i>EBioMedicine</i> , 2019, 45, 588-605.	2.7	86
2683	From discoveries in ageing research to therapeutics for healthy ageing. <i>Nature</i> , 2019, 571, 183-192.	13.7	730
2684	Restoring extracellular matrix synthesis in senescent stem cells. <i>FASEB Journal</i> , 2019, 33, 10954-10965.	0.2	10
2685	Mitochondrial Homeostasis and Cellular Senescence. <i>Cells</i> , 2019, 8, 686.	1.8	146
2686	Computational Drug Screening Identifies Compounds Targeting Renal Age-associated Molecular Profiles. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 843-853.	1.9	6
2687	Age-related changes in DNA methylation affect renal histology and post-transplant fibrosis. <i>Kidney International</i> , 2019, 96, 1195-1204.	2.6	17
2688	Remodeling of Bone Marrow Hematopoietic Stem Cell Niches Promotes Myeloid Cell Expansion during Premature or Physiological Aging. <i>Cell Stem Cell</i> , 2019, 25, 407-418.e6.	5.2	202
2689	Elevated H3K27ac in aged skeletal muscle leads to increase in extracellular matrix and fibrogenic conversion of muscle satellite cells. <i>Aging Cell</i> , 2019, 18, e12996.	3.0	35
2690	Re: Regulation of S-Nitrosylation in Aging and Senescence by Larrick and Mendelsohn (Rejuvenation) <i>Trends in Molecular Medicine</i> , 2019, 19, 107-114.	0.9	4

#	ARTICLE	IF	CITATIONS
2691	Heterogeneity of healthy aging: comparing long-lived families across five healthy aging phenotypes of blood pressure, memory, pulmonary function, grip strength, and metabolism. <i>GeroScience</i> , 2019, 41, 383-393.	2.1	11
2692	Alterations in Organismal Physiology, Impaired Stress Resistance, and Accelerated Aging in <i>Drosophila</i> Flies Adapted to Multigenerational Proteome Instability. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	5
2693	Age-Related DNA Methylation Changes: Potential Impact on Skeletal Muscle Aging in Humans. <i>Frontiers in Physiology</i> , 2019, 10, 996.	1.3	35
2694	Dicarbonyl Stress at the Crossroads of Healthy and Unhealthy Aging. <i>Cells</i> , 2019, 8, 749.	1.8	57
2695	Flower isoforms promote competitive growth in <i>Â</i> cancer. <i>Nature</i> , 2019, 572, 260-264.	13.7	96
2696	Cellular Senescence and the Kidney: Potential Therapeutic Targets and Tools. <i>Frontiers in Pharmacology</i> , 2019, 10, 770.	1.6	56
2697	Translational Regulation of Non-autonomous Mitochondrial Stress Response Promotes Longevity. <i>Cell Reports</i> , 2019, 28, 1050-1062.e6.	2.9	50
2698	Identification and Application of Gene Expression Signatures Associated with Lifespan Extension. <i>Cell Metabolism</i> , 2019, 30, 573-593.e8.	7.2	113
2699	A photostable fluorescent marker for the superresolution live imaging of the dynamic structure of the mitochondrial cristae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15817-15822.	3.3	145
2700	Multi-level remodeling of transcriptional landscapes in aging and longevity. <i>BMB Reports</i> , 2019, 52, 86-108.	1.1	42
2701	Long-term every-other-day administration of DMAMCL has little effect on aging and age-associated physiological decline in mice. <i>Aging</i> , 2019, 11, 2583-2609.	1.4	8
2702	Telomere dynamic in humans and animals: Review and perspectives in environmental toxicology. <i>Environment International</i> , 2019, 131, 105025.	4.8	53
2703	Time for the systems-level integration of aging: Resilience enhancing strategies to prevent Alzheimer's disease. <i>Progress in Neurobiology</i> , 2019, 181, 101662.	2.8	38
2704	Stabilizing heterochromatin by DGCR8 alleviates senescence and osteoarthritis. <i>Nature Communications</i> , 2019, 10, 3329.	5.8	82
2705	Downregulation of mTOR Signaling Increases Stem Cell Population Telomere Length during Starvation of Immortal Planarians. <i>Stem Cell Reports</i> , 2019, 13, 405-418.	2.3	18
2706	Ferric Tannic Nanoparticles Increase Neuronal Cellular Clearance. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4136-4144.	1.7	8
2707	<p>The cGAS/STING pathway: a sensor of senescence-associated DNA damage and trigger of inflammation in early age-related macular degeneration</p>. <i>Clinical Interventions in Aging</i> , 2019, Volume 14, 1277-1283.	1.3	25
2708	On the Fly: Recent Progress on Autophagy and Aging in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 140.	1.8	46

#	ARTICLE	IF	CITATIONS
2709	Nucleolar and Ribosomal DNA Structure under Stress: Yeast Lessons for Aging and Cancer. <i>Cells</i> , 2019, 8, 779.	1.8	37
2711	Analysis of the Isolated and the Clustered DNA Damages by Single-Molecule Counting. <i>Analytical Chemistry</i> , 2019, 91, 10381-10385.	3.2	10
2712	Metabolic Reprogramming Promotes Myogenesis During Aging. <i>Frontiers in Physiology</i> , 2019, 10, 897.	1.3	19
2713	Analysis of potential anti-aging beverage Pru, a traditional Cuban refreshment, by desorption electrospray ionization-mass spectrometry and FTICR tandem mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 833-840.	0.9	8
2714	Circadian gene variants and the skeletal muscle circadian clock contribute to the evolutionary divergence in longevity across <i>Drosophila</i> populations. <i>Genome Research</i> , 2019, 29, 1262-1276.	2.4	20
2715	Ageing in men with normal spermatogenesis alters spermatogonial dynamics and nuclear morphology in Sertoli cells. <i>Andrology</i> , 2019, 7, 827-839.	1.9	26
2716	Mitochondrial Network State Scales mtDNA Genetic Dynamics. <i>Genetics</i> , 2019, 212, 1429-1443.	1.2	46
2717	Nutrition interventions for healthy ageing across the lifespan: a conference report. <i>European Journal of Nutrition</i> , 2019, 58, 1-11.	1.8	42
2718	Loss of RNA binding protein, human antigen R enhances mitochondrial elongation by regulating Drp1 expression in SH-SY5Y cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 713-718.	1.0	3
2719	Epigenetic programming underpins B cell dysfunction in human SLE. <i>Nature Immunology</i> , 2019, 20, 1071-1082.	7.0	142
2720	Root canal treatment in elderly patients. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2019, 40, 217-223.	0.5	9
2721	Exploring the Relationship of Relative Telomere Length and the Epigenetic Clock in the LipidCardio Cohort. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3032.	1.8	31
2722	Metabolic features and regulation in cell senescence. <i>BMB Reports</i> , 2019, 52, 5-12.	1.1	63
2723	T-reg Homeostasis and Functions in Aging. , 2019, , 337-358.		1
2724	Lymphocyte Subtypes and Functions in Centenarians as Models for Successful Aging. , 2019, , 3-38.		0
2725	Nuclear Organization in Stress and Aging. <i>Cells</i> , 2019, 8, 664.	1.8	28
2726	Invertebrates and Humans: Science, Ethics, and Policy. <i>Animal Welfare</i> , 2019, , 7-22.	1.0	14
2727	Cell competition: the winners and losers of fitness selection. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	116

#	ARTICLE	IF	CITATIONS
2728	Cross-species functional modules link proteostasis to human normal aging. <i>PLoS Computational Biology</i> , 2019, 15, e1007162.	1.5	11
2729	Aging and Age-related Disorders: From Molecular Mechanisms to Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3280.	1.8	1
2730	Differential mechanisms of tolerance to extreme environmental conditions in tardigrades. <i>Scientific Reports</i> , 2019, 9, 14938.	1.6	15
2731	Proteostasis collapse is a driver of cell aging and death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22173-22178.	3.3	115
2732	Lipid-Binding Proteins in Brain Health and Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1152.	1.1	19
2733	Human Umbilical Vein Endothelial Cells (HUVECs) Co-Culture with Osteogenic Cells: From Molecular Communication to Engineering Prevascularised Bone Grafts. <i>Journal of Clinical Medicine</i> , 2019, 8, 1602.	1.0	66
2734	A Hypothesis to Explain How the DNA of Elderly People Is Prone to Damage: Genome-Wide Hypomethylation Drives Genomic Instability in the Elderly by Reducing Youth-Associated Gnome-Stabilizing DNA Gaps. , 0, , .		4
2735	The diet and the damage done. <i>Nature Metabolism</i> , 2019, 1, 1030-1031.	5.1	0
2736	Microglia and the aging brain: are senescent microglia the key to neurodegeneration?. <i>Journal of Neurochemistry</i> , 2019, 151, 676-688.	2.1	150
2737	The Role of DNA Repair in Cellular Aging Process. , 2019, , .		7
2738	Moderation of neural excitation promotes longevity. <i>Nature</i> , 2019, 574, 338-340.	13.7	0
2739	Increased Gene Expression of RUNX2 and SOX9 in Mesenchymal Circulating Progenitors Is Associated with Autophagy during Physical Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	27
2740	Somatic maintenance impacts the evolution of mutation rate. <i>BMC Evolutionary Biology</i> , 2019, 19, 172.	3.2	9
2741	Exosomes and STUB1/CHIP cooperate to maintain intracellular proteostasis. <i>PLoS ONE</i> , 2019, 14, e0223790.	1.1	14
2742	Introductory Chapter: DNA Repair in Human Cells - A Daily Challenge. , 0, , .		0
2743	Mice with hyper-long telomeres show less metabolic aging and longer lifespans. <i>Nature Communications</i> , 2019, 10, 4723.	5.8	102
2744	Ribosomal mistranslation leads to silencing of the unfolded protein response and increased mitochondrial biogenesis. <i>Communications Biology</i> , 2019, 2, 381.	2.0	33
2745	Time for a New Strategy in the War on Alzheimer's Disease. <i>The Public Policy and Aging Report</i> , 2019, 29, 119-122.	0.8	9

#	ARTICLE	IF	CITATIONS
2746	The Possible Role of Telomere Length and Chemokines in the Aging Process: A Transdiagnostic Review in Psychiatry. <i>Current Psychiatry Research and Reviews</i> , 2019, 15, 171-192.	0.1	0
2747	Genetic Pathways of Aging and Their Relevance in the Dog as a Natural Model of Human Aging. <i>Frontiers in Genetics</i> , 2019, 10, 948.	1.1	36
2748	Src Tyrosine Kinase Inhibitors: New Perspectives on Their Immune, Antiviral, and Senotherapeutic Potential. <i>Frontiers in Pharmacology</i> , 2019, 10, 1011.	1.6	38
2749	Multidimensional informatic deconvolution defines gender-specific roles of hypothalamic GIT2 in aging trajectories. <i>Mechanisms of Ageing and Development</i> , 2019, 184, 111150.	2.2	9
2750	Bacterial ageing in the absence of external stressors. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180442.	1.8	59
2751	Vitamin D as a Biomarker of Ill Health among the Over-50s: A Systematic Review of Cohort Studies. <i>Nutrients</i> , 2019, 11, 2384.	1.7	23
2752	Quantitative iTRAQ-based proteomic analysis of differentially expressed proteins in aging in human and monkey. <i>BMC Genomics</i> , 2019, 20, 725.	1.2	11
2753	A day in the life of mitochondria reveals shifting workloads. <i>Scientific Reports</i> , 2019, 9, 13898.	1.6	21
2754	TOR Signaling in <i>Caenorhabditis elegans</i> Development, Metabolism, and Aging. <i>Genetics</i> , 2019, 213, 329-360.	1.2	101
2755	Early-life DNA methylation profiles are indicative of age-related transcriptome changes. <i>Epigenetics and Chromatin</i> , 2019, 12, 58.	1.8	22
2756	Proteasome Modulation: A Way to Delay Aging?. , 2019, , 92-92.		1
2757	Recent advances in microfiber sensors for highly sensitive biochemical detection. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 493002.	1.3	23
2759	Differential effects of extracellular vesicles from aging and young mesenchymal stem cells in acute lung injury. <i>Aging</i> , 2019, 11, 7996-8014.	1.4	92
2760	TGF- β 2 Signaling in Cellular Senescence and Aging-Related Pathology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5002.	1.8	185
2761	Senescent synovial fibroblasts accumulate prematurely in rheumatoid arthritis tissues and display an enhanced inflammatory phenotype. <i>Immunity and Ageing</i> , 2019, 16, 29.	1.8	54
2762	CO ameliorates endothelial senescence induced by 5-fluorouracil through SIRT1 activation. <i>Archives of Biochemistry and Biophysics</i> , 2019, 677, 108185.	1.4	7
2763	Caloric restriction modulates the monoaminergic and glutamatergic systems in the hippocampus, and attenuates age-dependent spatial memory decline. <i>Neurobiology of Learning and Memory</i> , 2019, 166, 107107.	1.0	11
2764	The role of cellular senescence in diabetes mellitus and osteoporosis: molecular pathways and potential interventions. <i>Hormones</i> , 2019, 18, 339-351.	0.9	9

#	ARTICLE	IF	CITATIONS
2765	Remyelination and ageing: Reversing the ravages of time. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1835-1841.	1.4	63
2766	Autophagy is inhibited by ubiquitin ligase activity in the nervous system. <i>Nature Communications</i> , 2019, 10, 5017.	5.8	27
2767	Hyperglycemia-induced inflamm-aging accelerates gingival senescence via NLRC4 phosphorylation. <i>Journal of Biological Chemistry</i> , 2019, 294, 18807-18819.	1.6	34
2768	To help aging populations, classify organismal senescence. <i>Science</i> , 2019, 366, 576-578.	6.0	42
2769	Omics Approaches to Understanding Muscle Biology. , 2019, , .		3
2770	Long-Term Moderate Exercise Combined with Metformin Treatment Induces an Hormetic Response That Prevents Strength and Muscle Mass Loss in Old Female Wistar Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	23
2771	Development of Tissue-Specific Age Predictors Using DNA Methylation Data. <i>Genes</i> , 2019, 10, 888.	1.0	21
2772	Genetic Support for Longevity-Enhancing Drug Targets: Issues, Preliminary Data, and Future Directions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, S61-S71.	1.7	4
2773	Recent Insights into the Mitochondrial Role in Autophagy and Its Regulation by Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	102
2774	Allogeneic mesenchymal stem cell therapy: A regenerative medicine approach to geroscience. <i>Aging Medicine (Milton (N S W))</i> , 2019, 2, 142-146.	0.9	16
2775	Wnt Glycation Inhibits Canonical Signaling. <i>Cells</i> , 2019, 8, 1320.	1.8	7
2776	A functional genetic screen identifies the Mediator complex as essential for SSX2-induced senescence. <i>Cell Death and Disease</i> , 2019, 10, 841.	2.7	4
2777	Genetic regulation of gene expression and splicing during a 10-year period of human aging. <i>Genome Biology</i> , 2019, 20, 230.	3.8	57
2778	Objectively Measured Physical Activity in Asymptomatic Middle-Aged Men Is Associated With Routine Blood-Based Biomarkers. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, S32-S37.	1.7	3
2779	Mini Nutritional Assessment Scores Indicate Higher Risk for Prospective Mortality and Contrasting Correlation With Age-Related Epigenetic Biomarkers. <i>Frontiers in Endocrinology</i> , 2019, 10, 672.	1.5	1
2780	Does Reproduction Shorten Telomeres? Towards Integrating Individual Quality with Lifeâ€™History Strategies in Telomere Biology. <i>BioEssays</i> , 2019, 41, e1900095.	1.2	54
2781	Lipid Assemblies at the Crossroads of Aging, Proteostasis, and Neurodegeneration. <i>Trends in Cell Biology</i> , 2019, 29, 954-963.	3.6	6
2782	Serum haptoglobin levels are associated with renal function decline in type 2 diabetes mellitus patients in a Chinese Han population. <i>Diabetes Research and Clinical Practice</i> , 2019, 156, 107865.	1.1	4

#	ARTICLE	IF	CITATIONS
2783	Rho-kinase activity is upregulated in the skeletal muscle of aged exercised rats. <i>Experimental Gerontology</i> , 2019, 128, 110746.	1.2	5
2784	Monitoring changes in the cellular content of biomolecules during ageing with FTIR spectroscopy. <i>Vibrational Spectroscopy</i> , 2019, 105, 102972.	1.2	5
2785	Hydralazine targets cAMP-dependent protein kinase leading to sirtuin1/5 activation and lifespan extension in <i>C. elegans</i> . <i>Nature Communications</i> , 2019, 10, 4905.	5.8	33
2786	Repression of eEF2K transcription by NF- κ B tunes translation elongation to inflammation and dsDNA-sensing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22583-22590.	3.3	26
2787	Methionine metabolism and methyltransferases in the regulation of aging and lifespan extension across species. <i>Aging Cell</i> , 2019, 18, e13034.	3.0	151
2788	The role of lipid metabolism in aging, lifespan regulation, and age-related disease. <i>Aging Cell</i> , 2019, 18, e13048.	3.0	227
2789	Saponin-rich extracts from <i>Holothuria leucospilota</i> mediate lifespan extension and stress resistance in <i>Caenorhabditis elegans</i> via <i>daf-16</i> . <i>Journal of Food Biochemistry</i> , 2019, 43, e13075.	1.2	14
2790	Autophagy in T Cell Function and Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 213.	1.8	48
2791	Longitudinal associations of physical activity levels with morphological and functional changes related with aging: The MAPT study. <i>Experimental Gerontology</i> , 2019, 128, 110758.	1.2	3
2792	DNA methylation age and physical and cognitive ageing. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 504-511.	1.7	35
2793	Childhood obesity and leucocyte telomere length. <i>European Journal of Clinical Investigation</i> , 2019, 49, e13178.	1.7	28
2794	The Signaling of Cellular Senescence in Diabetic Nephropathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	104
2795	Age-related schwannomatosis with potential exosome-mediated contribution to prostate hyperplasia: a case report and mini-review. <i>Therapeutic Advances in Urology</i> , 2019, 11, 175628721987557.	0.9	3
2796	Gut microbes, ageing & organ function: a chameleon in modern biology?. <i>EMBO Molecular Medicine</i> , 2019, 11, e9872.	3.3	14
2797	Enhancing Autophagy Diminishes Aberrant Ca ²⁺ Homeostasis and Arrhythmogenesis in Aging Rabbit Hearts. <i>Frontiers in Physiology</i> , 2019, 10, 1277.	1.3	12
2798	Atherosclerosis and Coenzyme Q10. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5195.	1.8	27
2799	Physical Exercise in the Oldest Old. , 2019, 9, 1281-1304.		79
2801	Normal Ribosomal Biogenesis but Shortened Protein Synthetic Response to Acute Eccentric Resistance Exercise in Old Skeletal Muscle. <i>Frontiers in Physiology</i> , 2018, 9, 1915.	1.3	24

#	ARTICLE	IF	CITATIONS
2802	Bring It to an End: Does Telomeres Size Matter?. <i>Cells</i> , 2019, 8, 30.	1.8	56
2803	Interplay between Autophagy and the Ubiquitin-Proteasome System and Its Role in the Pathogenesis of Age-Related Macular Degeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 210.	1.8	86
2804	Insights into replicative senescence of human testicular peritubular cells. <i>Scientific Reports</i> , 2019, 9, 15052.	1.6	33
2805	It is Time to Embrace 21st-Century Medicine. <i>The Public Policy and Aging Report</i> , 2019, 29, 111-115.	0.8	6
2807	A Revised Perspective of Skeletal Stem Cell Biology. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 189.	1.8	143
2808	Optimism is associated with exceptional longevity in 2 epidemiologic cohorts of men and women. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18357-18362.	3.3	96
2809	Cellular senescence: at the nexus between ageing and diabetes. <i>Diabetologia</i> , 2019, 62, 1835-1841.	2.9	170
2810	The Microbiota-Gut-Brain Axis. <i>Physiological Reviews</i> , 2019, 99, 1877-2013.	13.1	2,304
2811	G Protein-Coupled Receptor Systems and Their Role in Cellular Senescence. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1265-1277.	1.9	28
2812	Targeting age-related differences in brain and cognition with multimodal imaging and connectome topography profiling. <i>Human Brain Mapping</i> , 2019, 40, 5213-5230.	1.9	33
2813	Hallmarks of Aging in the Liver. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1151-1161.	1.9	177
2814	Major depression and enhanced molecular senescence abnormalities in young and middle-aged adults. <i>Translational Psychiatry</i> , 2019, 9, 198.	2.4	31
2815	Deoxysphingolipids and ether-linked diacylglycerols accumulate in the tissues of aged mice. <i>Cell and Bioscience</i> , 2019, 9, 61.	2.1	16
2816	Multidimensional Proteomics Identifies Declines in Protein Homeostasis and Mitochondria as Early Signals for Normal Aging and Age-associated Disease in <i>Drosophila</i> *[S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2078-2088.	2.5	38
2817	Aging in transport processes on networks with stochastic cumulative damage. <i>Physical Review E</i> , 2019, 100, 022312.	0.8	9
2818	Peripheral antibody concentrations are associated with highly differentiated T cells and inflammatory processes in the human bone marrow. <i>Immunity and Ageing</i> , 2019, 16, 21.	1.8	14
2819	Ten Years of BrainAGE as a Neuroimaging Biomarker of Brain Aging: What Insights Have We Gained?. <i>Frontiers in Neurology</i> , 2019, 10, 789.	1.1	348
2820	Aging in <i>Drosophila melanogaster</i> . , 2019, , .		1

#	ARTICLE	IF	CITATIONS
2821	Association of Aggresomes with Survival Outcomes in Pediatric Medulloblastoma. <i>Scientific Reports</i> , 2019, 9, 12605.	1.6	5
2822	Fundamental differences in patterns of retinal ageing between primates and mice. <i>Scientific Reports</i> , 2019, 9, 12574.	1.6	14
2823	Oxidative Stress and Advanced Lipoxidation and Glycation End Products (ALEs and AGEs) in Aging and Age-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	287
2825	What sustains the multidrug resistance phenotype beyond ABC efflux transporters? Looking beyond the tip of the iceberg. <i>Drug Resistance Updates</i> , 2019, 46, 100643.	6.5	52
2826	The Microbiome and Aging. <i>Annual Review of Genetics</i> , 2019, 53, 239-261.	3.2	127
2827	Sargassum fusiforme Fucoïdan SP2 Extends the Lifespan of <i>Drosophila melanogaster</i> by Upregulating the Nrf2-Mediated Antioxidant Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	21
2828	DCR2, a Cellular Senescent Molecule, Is a Novel Marker for Assessing Tubulointerstitial Fibrosis in Patients with Immunoglobulin A Nephropathy. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 1063-1074.	0.9	9
2829	Classical monocytes from older adults maintain capacity for metabolic compensation during glucose deprivation and lipopolysaccharide stimulation. <i>Mechanisms of Ageing and Development</i> , 2019, 183, 111146.	2.2	21
2830	Maximizing Longevity and Healthspan: Multiple Approaches All Converging on Autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 183.	1.8	28
2831	The protective function of non-coding DNA in DNA damage accumulation with age and its roles in age-related diseases. <i>Biogerontology</i> , 2019, 20, 741-761.	2.0	8
2832	Harvard HIV and Aging Workshop: Perspectives and Priorities from Claude D. Pepper Centers and Centers for AIDS Research. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 999-1012.	0.5	12
2833	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019, 10, 3923.	5.8	123
2834	Growth Hormone (GH) and Wound Healing. , 2019, , .		1
2835	Ageing as a risk factor for neurodegenerative disease. <i>Nature Reviews Neurology</i> , 2019, 15, 565-581.	4.9	1,578
2837	Aberrant Function of the C-Terminal Tail of HIST1H1E Accelerates Cellular Senescence and Causes Premature Aging. <i>American Journal of Human Genetics</i> , 2019, 105, 493-508.	2.6	48
2838	Fisetin, a potential caloric restriction mimetic, modulates ionic homeostasis in senescence induced and naturally aged rats. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 51-58.	1.0	17
2839	Nrf2, stress and aging. <i>Aging</i> , 2019, 11, 5289-5291.	1.4	8
2840	Biomarkers of Human Aging. <i>Healthy Ageing and Longevity</i> , 2019, , .	0.2	11

#	ARTICLE	IF	CITATIONS
2841	Senescence in immunity against helminth parasites predicts adult mortality in a wild mammal. <i>Science</i> , 2019, 365, 1296-1298.	6.0	55
2842	Stem cell derived exosomes: microRNA therapy for age-related musculoskeletal disorders. <i>Biomaterials</i> , 2019, 224, 119492.	5.7	45
2843	Stable Regulation of Senescence-Related Genes in Galactose-alpha1,3-galactose Epitope Knockout and Human Membrane Cofactor Protein hCD46 Pig. <i>Transplantation Proceedings</i> , 2019, 51, 2043-2050.	0.3	1
2844	SK1 Attenuates Oxidative Stress-Induced Renal Tubular Epithelial Cell Injury by Regulating Mitochondrial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	26
2845	Ginger (<i>Zingiber officinale</i> Roscoe) in the Prevention of Ageing and Degenerative Diseases: Review of Current Evidence. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-13.	0.5	44
2846	Inflammaging and Oxidative Stress in Human Diseases: From Molecular Mechanisms to Novel Treatments. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4472.	1.8	283
2847	TGF β ¹ induces periodontal ligament stem cell senescence through increase of ROS production. <i>Molecular Medicine Reports</i> , 2019, 20, 3123-3130.	1.1	19
2848	Hypoxia conditioning enhances neuroprotective effects of aged human bone marrow mesenchymal stem cell-derived conditioned medium against cerebral ischemia in vitro. <i>Brain Research</i> , 2019, 1725, 146432.	1.1	36
2849	Mitochondrial lipoylation integrates age-associated decline in brown fat thermogenesis. <i>Nature Metabolism</i> , 2019, 1, 886-898.	5.1	50
2850	Breast cancer risk in a rapidly aging population: advances and approaches to study the aging tissue microenvironment. <i>Breast Cancer: Targets and Therapy</i> , 2019, Volume 11, 111-113.	1.0	3
2851	Identification of reference genes for RT-qPCR data normalisation in aging studies. <i>Scientific Reports</i> , 2019, 9, 13970.	1.6	25
2852	Dietary n-3 polyunsaturated fatty acids, fish intake and healthy ageing. <i>International Journal of Epidemiology</i> , 2019, 48, 1914-1924.	0.9	20
2853	The NSL complex maintains nuclear architecture stability via lamin A/C acetylation. <i>Nature Cell Biology</i> , 2019, 21, 1248-1260.	4.6	61
2854	A triple drug combination targeting components of the nutrient-sensing network maximizes longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20817-20819.	3.3	63
2855	Lifespan-increasing drug nordihydroguaiaretic acid inhibits p300 and activates autophagy. <i>Npj Aging and Mechanisms of Disease</i> , 2019, 5, 7.	4.5	21
2856	Identifying blood-specific age-related DNA methylation markers on the Illumina MethylationEPIC [®] BeadChip. <i>Forensic Science International</i> , 2019, 303, 109944.	1.3	22
2857	Vitamin D3 regulates apoptosis and proliferation in the testis of D-galactose-induced aged rat model. <i>Scientific Reports</i> , 2019, 9, 14103.	1.6	45
2858	Socio-Economic Position Under the Microscope: Getting "Under the Skin" and into the Cells. <i>Current Epidemiology Reports</i> , 2019, 6, 403-411.	1.1	6

#	ARTICLE	IF	CITATIONS
2859	Mechanical regulation of bone homeostasis through p130Cas-mediated alleviation of NF- κ B activity. <i>Science Advances</i> , 2019, 5, eaau7802.	4.7	27
2860	Age-Related Alterations Affecting the Chondrogenic Differentiation of Synovial Fluid Mesenchymal Stromal Cells in an Equine Model. <i>Cells</i> , 2019, 8, 1116.	1.8	19
2861	CD38 Deficiency Alleviates D-Galactose-Induced Myocardial Cell Senescence Through NAD ⁺ /Sirt1 Signaling Pathway. <i>Frontiers in Physiology</i> , 2019, 10, 1125.	1.3	39
2862	Natural Products as Modulators of the Proteostasis Machinery: Implications in Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4666.	1.8	14
2863	Viewpoint on the role of tissue maintenance in ageing: focus on biomarkers of bone, cartilage, muscle, and brain tissue maintenance. <i>Ageing Research Reviews</i> , 2019, 56, 100964.	5.0	8
2864	Environmental Factors in Successful Aging: The Potential Impact of Air Pollution. <i>Environmental Health Perspectives</i> , 2019, 127, 102001.	2.8	17
2865	Ageing Triggers H3K27 Trimethylation Hoarding in the Chromatin of <i>Nothobranchius furzeri</i> Skeletal Muscle. <i>Cells</i> , 2019, 8, 1169.	1.8	15
2866	Allostatic Load as a Biological Substrate to Intrinsic Capacity: A Secondary Analysis of CRELES. <i>Journal of Nutrition, Health and Aging</i> , 2019, 23, 788-795.	1.5	44
2867	Genome aging: somatic mutation in the brain links age-related decline with disease and nominates pathogenic mechanisms. <i>Human Molecular Genetics</i> , 2019, 28, R197-R206.	1.4	37
2868	Age is in the nucleus. <i>Nature Metabolism</i> , 2019, 1, 931-932.	5.1	9
2869	The RING-type E3 ligase RNF186 ubiquitinates Sestrin-2 and thereby controls nutrient sensing. <i>Journal of Biological Chemistry</i> , 2019, 294, 16527-16534.	1.6	20
2870	Tissue-specific telomere dynamics in hibernating arctic ground squirrels (<i>Urocyon parryi</i>). <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	6
2871	The Epigenetics of Aging in Invertebrates. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4535.	1.8	15
2872	Gene-environment interaction and Mendelian randomisation. <i>Revue Neurologique</i> , 2019, 175, 597-603.	0.6	9
2873	Chronic Nucleoside Reverse Transcriptase Inhibitors Disrupt Mitochondrial Homeostasis and Promote Premature Endothelial Senescence. <i>Toxicological Sciences</i> , 2019, 172, 445-456.	1.4	13
2874	Devimistat in combination with high dose cytarabine and mitoxantrone compared with high dose cytarabine and mitoxantrone in older patients with relapsed/refractory acute myeloid leukemia: ARMADA 2000 Phase III study. <i>Future Oncology</i> , 2019, 15, 3197-3208.	1.1	23
2875	Epigenetics and Aging. , 2019, , 1413-1433.		8
2876	Cellular senescence in bone. <i>Bone</i> , 2019, 121, 121-133.	1.4	133

#	ARTICLE	IF	CITATIONS
2877	Brain region-specific effects of long-term caloric restriction on redox balance of the aging rat. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 51-59.	2.2	11
2878	Transcriptome profiling of human papillary and reticular fibroblasts from adult interfollicular dermis pinpoints the "tissue skeleton" gene network as a component of skin chrono-ageing. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 60-77.	2.2	23
2879	Initiation of Pulmonary Fibrosis after Silica Inhalation in Rats is linked with Dysfunctional Shelterin Complex and DNA Damage Response. <i>Scientific Reports</i> , 2019, 9, 471.	1.6	15
2880	A multi-institutional comparison of younger and older adults with sickle cell disease. <i>American Journal of Hematology</i> , 2019, 94, E115-E117.	2.0	9
2881	Aggregation of Respiratory Complex Subunits Marks the Onset of Proteotoxicity in Proteasome Inhibited Cells. <i>Journal of Molecular Biology</i> , 2019, 431, 996-1015.	2.0	16
2882	An integrative modeling approach to the age-performance relationship in mammals at the cellular scale. <i>Scientific Reports</i> , 2019, 9, 418.	1.6	28
2883	Gastrointestinal Tract Disorders in Older Age. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2019, 2019, 1-19.	0.8	140
2884	ASF1a inhibition induces p53-dependent growth arrest and senescence of cancer cells. <i>Cell Death and Disease</i> , 2019, 10, 76.	2.7	24
2885	Aging Processes in the Subcortical Auditory System. , 0, , 639-680.		13
2886	Frailty and Rejuvenation with Stem Cells: Therapeutic Opportunities and Clinical Challenges. <i>Rejuvenation Research</i> , 2019, 22, 484-497.	0.9	13
2888	Combining modifiable risk factors and risk of dementia: a systematic review and meta-analysis. <i>BMJ Open</i> , 2019, 9, e022846.	0.8	138
2889	The Biomedical Bases of Successful Aging. , 2019, , 23-26.		2
2890	Telomere Dynamics and Aging Related Diseases. , 2019, , 66-90.		0
2891	The Promise of Active Aging. , 2019, , 557-569.		0
2892	Short-term gain, long-term pain: the senescence life cycle and cancer. <i>Genes and Development</i> , 2019, 33, 127-143.	2.7	64
2893	Age-related changes in the BACH2 and PRDM1 genes in lymphocytes from healthy donors and chronic lymphocytic leukemia patients. <i>BMC Cancer</i> , 2019, 19, 81.	1.1	9
2894	PAGE4 promotes prostate cancer cells survive under oxidative stress through modulating MAPK/JNK/ERK pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 24.	3.5	21
2895	Studying Werner syndrome to elucidate mechanisms and therapeutics of human aging and age-related diseases. <i>Biogerontology</i> , 2019, 20, 255-269.	2.0	22

#	ARTICLE	IF	CITATIONS
2896	Mitochondrial Stress-Initiated Aberrant Activation of the NLRP3 Inflammasome Regulates the Functional Deterioration of Hematopoietic Stem Cell Aging. <i>Cell Reports</i> , 2019, 26, 945-954.e4.	2.9	98
2897	Rapamycin and Alzheimer's disease: Time for a clinical trial?. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	121
2898	Gene network analysis of senescence-associated genes in annual plants and comparative assessment of aging in perennials and animals. <i>Translational Medicine of Aging</i> , 2019, 3, 6-13.	0.6	6
2899	Female subfertility. <i>Nature Reviews Disease Primers</i> , 2019, 5, 7.	18.1	85
2900	Hereditary Hemochromatosis Associations with Frailty, Sarcopenia and Chronic Pain: Evidence from 200,975 Older UK Biobank Participants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 337-342.	1.7	28
2901	Mitochondrial unfolded protein response: a stress response with implications for fertility and reproductive aging. <i>Fertility and Sterility</i> , 2019, 111, 197-204.	0.5	50
2902	Submandibular gland-specific inflammaging-induced hyposalivation in the male senescence-accelerated mouse prone -1Aline (SAM-P1). <i>Biogerontology</i> , 2019, 20, 421-432.	2.0	15
2903	An Introduction to a Special Issue of Free Radical Biology and Medicine - "Reactive Oxygen Species and Musculoskeletal Aging". <i>Free Radical Biology and Medicine</i> , 2019, 132, 1-2.	1.3	2
2904	Cognitive aging is not created equally: differentiating unique cognitive phenotypes in "normal" adults. <i>Neurobiology of Aging</i> , 2019, 77, 13-19.	1.5	41
2905	Potential role of E4orf1 protein in aging-associated impairment in glycemic control. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 261-265.	1.2	2
2906	HIF1 α -mediated AIMP3 suppression delays stem cell aging via the induction of autophagy. <i>Aging Cell</i> , 2019, 18, e12909.	3.0	29
2907	The vivo antioxidant activity of self-made aged garlic extract on the d-galactose-induced mice and its mechanism research via gene chip analysis. <i>RSC Advances</i> , 2019, 9, 3669-3678.	1.7	3
2908	Defining the impact of mutation accumulation on replicative lifespan in yeast using cancer-associated mutator phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3062-3071.	3.3	17
2909	Rodent models of frailty and their application in preclinical research. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 1-10.	2.2	26
2910	A novel healthy metabolic phenotype developed among a cohort of families enriched for longevity. <i>Metabolism: Clinical and Experimental</i> , 2019, 94, 28-38.	1.5	7
2911	Low plasma lysophosphatidylcholines are associated with impaired mitochondrial oxidative capacity in adults in the Baltimore Longitudinal Study of Aging. <i>Aging Cell</i> , 2019, 18, e12915.	3.0	34
2912	Telomeres in Plants and Humans: Not So Different, Not So Similar. <i>Cells</i> , 2019, 8, 58.	1.8	39
2913	Crosstalk between P53 and DNA damage response in ageing. <i>DNA Repair</i> , 2019, 80, 8-15.	1.3	24

#	ARTICLE	IF	CITATIONS
2914	Exosomes, cancerâ€™s little army. <i>Stem Cell Investigation</i> , 2019, 6, 9-9.	1.3	8
2915	Mitochondrial Function, Mobility and Lifespan Are Improved in <i>Drosophila melanogaster</i> by Extracts of 9-cis-Î²-Carotene from <i>Dunaliella salina</i> . <i>Marine Drugs</i> , 2019, 17, 279.	2.2	12
2916	The Resveratrol Rice DJ526 Callus Significantly Increases the Lifespan of <i>Drosophila</i> (Resveratrol Rice) Tj ETQq0 0 0 IgBT /Overlock 10 Tf	1.7	18
2917	Rapamycin modulates tissue aging and lifespan independently of the gut microbiota in <i>Drosophila</i> . <i>Scientific Reports</i> , 2019, 9, 7824.	1.6	66
2918	Cell aging preserves cellular immortality in the presence of lethal levels of damage. <i>PLoS Biology</i> , 2019, 17, e3000266.	2.6	24
2919	Are There Common Mechanisms Between the Hutchinsonâ€™Gilford Progeria Syndrome and Natural Aging?. <i>Frontiers in Genetics</i> , 2019, 10, 455.	1.1	58
2920	In vitro aged, hiPSC-origin engineered heart tissue models with age-dependent functional deterioration to study myocardial infarction. <i>Acta Biomaterialia</i> , 2019, 94, 372-391.	4.1	36
2921	Longevity Activism. , 2019, , 1-7.		1
2922	Cellular senescence in cardiac diseases. <i>Journal of Cardiology</i> , 2019, 74, 313-319.	0.8	101
2923	Epimedium flavonoids mitigate proteotoxicity and extend healthspan via DAF-16 in <i>C.Âlegans</i> . <i>Traditional Medicine and Modern Medicine</i> , 2019, 02, 19-25.	0.2	3
2924	Total body irradiation induced mouse small intestine senescence as a late effect. <i>Journal of Radiation Research</i> , 2019, 60, 442-450.	0.8	16
2925	Aerobic and resistance exercise training reverses ageâ€dependent decline in NAD⁺ salvage capacity in human skeletal muscle. <i>Physiological Reports</i> , 2019, 7, e14139.	0.7	59
2926	Mitochondrial dysfunction and cell senescence: deciphering a complex relationship. <i>FEBS Letters</i> , 2019, 593, 1566-1579.	1.3	209
2927	FOXO3 on the Road to Longevity: Lessons From SNPs and Chromatin Hubs. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 737-745.	1.9	43
2928	Aging, Cancer and Immunity. <i>Journal of Cancer</i> , 2019, 10, 3021-3027.	1.2	48
2929	Structure Characterization and Action Mechanism of an Antiaging New Compound from <i>Gastrodia elata</i> Blume. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	1.9	14
2930	Higher Number of Night Shifts Associates with Good Perception of Work Capacity and Optimal Lung Function but Correlates with Increased Oxidative Damage and Telomere Attrition. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	19
2931	The molecular clock in the skin, its functionality, and how it is disrupted in cutaneous melanoma: a new pharmacological target?. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3801-3826.	2.4	28

#	ARTICLE	IF	CITATIONS
2932	Evaluation of six blood-based age prediction models using DNA methylation analysis by pyrosequencing. <i>Scientific Reports</i> , 2019, 9, 8862.	1.6	44
2933	Iron homeostasis and iron-regulated ROS in cell death, senescence and human diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1398-1409.	1.1	283
2934	Measuring gait speed to better identify prodromal dementia. <i>Experimental Gerontology</i> , 2019, 124, 110625.	1.2	100
2935	SIRT7 mediates L1 elements transcriptional repression and their association with the nuclear lamina. <i>Nucleic Acids Research</i> , 2019, 47, 7870-7885.	6.5	55
2936	Lipotoxicity, aging, and muscle contractility: does fiber type matter?. <i>GeroScience</i> , 2019, 41, 297-308.	2.1	41
2937	Alteration of Hypoxia-Associated Gene Expression in Replicatively Senescent Mesenchymal Stromal Cells under Physiological Oxygen Level. <i>Biochemistry (Moscow)</i> , 2019, 84, 263-271.	0.7	12
2938	Anticipatory measure: Alex Comfort, experimental gerontology and the measurement of senescence. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2019, 77, 101179.	0.8	3
2939	The function of lncRNAs in aging-related diseases and 3D genome. <i>Translational Medicine of Aging</i> , 2019, 3, 57-63.	0.6	1
2940	Developments in molecular epidemiology of aging. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 411-421.	1.1	19
2941	Epigenetics of Aging and Cancer: A Comprehensive Look. , 2019, , 885-901.		0
2942	Oxidative Stress in Neurodegenerative Diseases: From a Mitochondrial Point of View. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-18.	1.9	311
2943	Nucleolar and Ribosomal Dysfunctionâ€”A Common Pathomechanism in Childhood Progerias?. <i>Cells</i> , 2019, 8, 534.	1.8	9
2944	The Origins of Ageing. <i>Practical Issues in Geriatrics</i> , 2019, , 25-36.	0.3	0
2945	Attenuation of frailty in older adults with mesenchymal stem cells. <i>Mechanisms of Ageing and Development</i> , 2019, 181, 47-58.	2.2	16
2946	Can you be too old for oral implants? An update on ageing and plasticity in the oroâ€”facial sensorimotor system. <i>Journal of Oral Rehabilitation</i> , 2019, 46, 936-951.	1.3	13
2947	mTOR and Aging: An Old Fashioned Dress. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2774.	1.8	64
2948	NADPH Oxidases and Aging Models of Lung Fibrosis. <i>Methods in Molecular Biology</i> , 2019, 1982, 487-496.	0.4	4
2949	How to Treat or Prevent, or Slow Down, Cellular Ageing and Senescence?. <i>Practical Issues in Geriatrics</i> , 2019, , 83-88.	0.3	0

#	ARTICLE	IF	CITATIONS
2950	Longitudinal comparative transcriptomics reveals unique mechanisms underlying extended healthspan in bats. <i>Nature Ecology and Evolution</i> , 2019, 3, 1110-1120.	3.4	70
2951	Can physical activity ameliorate immunosenescence and thereby reduce age-related multi-morbidity?. <i>Nature Reviews Immunology</i> , 2019, 19, 563-572.	10.6	269
2952	Alpha-1 Antitrypsin Deficiency and Accelerated Aging: A New Model for an Old Disease?. <i>Drugs and Aging</i> , 2019, 36, 823-840.	1.3	7
2953	Improving mitochondrial function significantly reduces the rate of age related photoreceptor loss. <i>Experimental Eye Research</i> , 2019, 185, 107691.	1.2	16
2954	Towards a unified mechanistic theory of aging. <i>Experimental Gerontology</i> , 2019, 124, 110627.	1.2	66
2955	Mechanisms underlying T cell ageing. <i>Nature Reviews Immunology</i> , 2019, 19, 573-583.	10.6	250
2956	Network analysis of aging acceleration reveals systematic properties of 11 types of cancers. <i>FEBS Open Bio</i> , 2019, 9, 1292-1304.	1.0	2
2957	The A1 astrocyte paradigm: New avenues for pharmacological intervention in neurodegeneration. <i>Movement Disorders</i> , 2019, 34, 959-969.	2.2	68
2958	Brown and Beige Adipose Tissue and Aging. <i>Frontiers in Endocrinology</i> , 2019, 10, 368.	1.5	122
2959	Association between histone lysine methyltransferase KMT2C mutation and clinicopathological factors in breast cancer. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108997.	2.5	21
2960	The role of lipids in aging-related metabolic changes. <i>Chemistry and Physics of Lipids</i> , 2019, 222, 59-69.	1.5	28
2961	Skin Biophysics. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2019, , .	0.7	13
2962	Acceleration of β Cell Aging Determines Diabetes and Senolysis Improves Disease Outcomes. <i>Cell Metabolism</i> , 2019, 30, 129-142.e4.	7.2	277
2963	The role of GDF11 in aging and skeletal muscle, cardiac and bone homeostasis. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 174-183.	2.3	37
2964	Differences in Liver TFAM Binding to mtDNA and mtDNA Damage between Aged and Extremely Aged Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2601.	1.8	17
2965	Constitutive Modelling of Skin Ageing. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2019, , 135-192.	0.7	0
2966	Nutrient Sensing and Redox Balance: GCN2 as a New Integrator in Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	16
2967	Multifaceted Mechanisms of Vascular Calcification in Aging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1307-1316.	1.1	89

#	ARTICLE	IF	CITATIONS
2968	Role of Vascular Smooth Muscle Cell Phenotypic Switching and Calcification in Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1351-1368.	1.1	203
2969	Regulation of Mitochondrial Biogenesis as a Way for Active Longevity: Interaction Between the Nrf2 and PGC-1 β Signaling Pathways. <i>Frontiers in Genetics</i> , 2019, 10, 435.	1.1	380
2970	Slowing Down Ageing: The Role of Nutrients and Microbiota in Modulation of the Epigenome. <i>Nutrients</i> , 2019, 11, 1251.	1.7	35
2971	Genomic and Epigenomic Potential With Age: Genome, Epigenome, and the Epigenetic Clock. , 2019, , 445-459.		0
2972	Epigenetics and Lifestyle: The Impact of Stress, Diet, and Social Habits on Tissue Homeostasis. , 2019, , 461-489.		3
2973	Telomere length and frailty in older adultsâ€”A systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2019, 54, 100914.	5.0	33
2974	Prenatal exposure to thallium is associated with decreased mitochondrial DNA copy number in newborns: Evidence from a birth cohort study. <i>Environment International</i> , 2019, 129, 470-477.	4.8	50
2975	The Microbiome Mediates Environmental Effects on Aging. <i>BioEssays</i> , 2019, 41, e1800257.	1.2	33
2976	Decelerating ageing and biological clocks by autophagy. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 385-386.	16.1	24
2977	Long noncoding RNA in cardiac aging and disease. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 860-867.	1.5	32
2978	Early Mobility in the Intensive Care Unit: Evidence, Barriers, and Future Directions. <i>Critical Care Nurse</i> , 2019, 39, 33-42.	0.5	27
2979	Plasma-Based Strategies for Therapeutic Modulation of Brain Aging. <i>Neurotherapeutics</i> , 2019, 16, 675-684.	2.1	11
2980	Stilbene Compounds Inhibit Tumor Growth by the Induction of Cellular Senescence and the Inhibition of Telomerase Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2716.	1.8	30
2981	SIRT1 protects cochlear hair cell and delays age-related hearing loss via autophagy. <i>Neurobiology of Aging</i> , 2019, 80, 127-137.	1.5	42
2982	Pairwise combinations of chemical compounds that delay yeast chronological aging through different signaling pathways display synergistic effects on the extent of aging delay. <i>Oncotarget</i> , 2019, 10, 313-338.	0.8	8
2983	Spontaneous and induced platelet aggregation in apparently healthy subjects in relation to age. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 71, 425-435.	0.9	10
2984	Epidermal stem cell lineages. <i>Advances in Stem Cells and Their Niches</i> , 2019, 3, 31-72.	0.1	1
2985	The biology of frailty in humans and animals: Understanding frailty and promoting translation. <i>Aging Medicine (Milton (N S W))</i> , 2019, 2, 27-34.	0.9	53

#	ARTICLE	IF	CITATIONS
2986	Targeting pro-senescence mitogen activated protein kinase (Mapk) enzymes with bioactive natural compounds. <i>Food and Chemical Toxicology</i> , 2019, 131, 110544.	1.8	20
2987	The chemistry of senescence. <i>Nature Reviews Chemistry</i> , 2019, 3, 426-441.	13.8	88
2988	Skeletal muscle LINE-1 retrotransposon activity is upregulated in older versus younger rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R397-R406.	0.9	11
2989	The transcription factor Slug represses p16Ink4a and regulates murine muscle stem cell aging. <i>Nature Communications</i> , 2019, 10, 2568.	5.8	38
2990	Histologic analysis and lipid profiling reveal reproductive age-associated changes in peri-ovarian adipose tissue. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 46.	1.4	29
2991	Mechanisms of cellular rejuvenation. <i>FEBS Letters</i> , 2019, 593, 3381-3392.	1.3	7
2992	Ubiquitylome study identifies increased histone 2A ubiquitylation as an evolutionarily conserved aging biomarker. <i>Nature Communications</i> , 2019, 10, 2191.	5.8	27
2993	Challenges in measuring and understanding biological noise. <i>Nature Reviews Genetics</i> , 2019, 20, 536-548.	7.7	154
2994	Epigenetic upregulation of FKBP5 by aging and stress contributes to NF- κ B-driven inflammation and cardiovascular risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11370-11379.	3.3	193
2995	Recombinant Buckwheat Trypsin Inhibitor Improves the Protein and Mitochondria Homeostasis in <i>Caenorhabditis elegans</i> Model of Aging and Age-Related Disease. <i>Gerontology</i> , 2019, 65, 513-523.	1.4	7
2996	The clinical impact and biological mechanisms of skeletal muscle aging. <i>Bone</i> , 2019, 127, 26-36.	1.4	46
2997	PPAR γ Activation Alleviates Age-Associated Renal Fibrosis in Sprague Dawley Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 452-458.	1.7	10
2998	Human embryonic stem cell-derived exosomes promote pressure ulcer healing in aged mice by rejuvenating senescent endothelial cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 142.	2.4	110
2999	Age of patients undergoing surgery. <i>British Journal of Surgery</i> , 2019, 106, 1012-1018.	0.1	207
3001	Stress, Affective Status and Neurodegenerative Onslaughts. <i>Contemporary Clinical Neuroscience</i> , 2019, , 41-58.	0.3	2
3002	Degenerative protein modifications in the aging vasculature and central nervous system: A problem shared is not always halved. <i>Ageing Research Reviews</i> , 2019, 53, 100909.	5.0	22
3003	Early life exposure to di(2-ethylhexyl)phthalate causes age-related declines associated with insulin/IGF-1-like signaling pathway and SKN-1 in <i>Caenorhabditis elegans</i> . <i>Environmental Pollution</i> , 2019, 251, 871-878.	3.7	27
3004	Wild-type and SAMP8 mice show age-dependent changes in distinct stem cell compartments of the interfollicular epidermis. <i>PLoS ONE</i> , 2019, 14, e0215908.	1.1	9

#	ARTICLE	IF	CITATIONS
3005	Mechanisms Through Which Some Mitochondria-Generated Metabolites Act as Second Messengers That Are Essential Contributors to the Aging Process in Eukaryotes Across Phyla. <i>Frontiers in Physiology</i> , 2019, 10, 461.	1.3	8
3006	Molecular footprint of Medawar's mutation accumulation process in mammalian aging. <i>Aging Cell</i> , 2019, 18, e12965.	3.0	15
3007	Nutrigenomics as a tool to study the impact of diet on aging and age-related diseases: the <i>Drosophila</i> approach. <i>Genes and Nutrition</i> , 2019, 14, 12.	1.2	26
3008	Emerging senolytic agents derived from natural products. <i>Mechanisms of Ageing and Development</i> , 2019, 181, 1-6.	2.2	69
3009	Applications of high-throughput "omics" data in the study of frailty. <i>Translational Medicine of Aging</i> , 2019, 3, 40-51.	0.6	5
3010	Immune Checkpoint Blockade for Advanced NSCLC: A New Landscape for Elderly Patients. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2258.	1.8	31
3011	<i>Schisandra chinensis</i> extract ameliorates age-related muscle wasting and bone loss in ovariectomized rats. <i>Phytotherapy Research</i> , 2019, 33, 1865-1877.	2.8	16
3012	Life course associations of height, weight, fatness, grip strength, and all-cause mortality for high socioeconomic status Guatemalans. <i>American Journal of Human Biology</i> , 2019, 31, e23253.	0.8	2
3013	Functional wiring of proteostatic and mitostatic modules ensures transient organismal survival during imbalanced mitochondrial dynamics. <i>Redox Biology</i> , 2019, 24, 101219.	3.9	15
3014	Early neuronal accumulation of DNA double strand breaks in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2019, 7, 77.	2.4	145
3015	6-Bromoindirubin-3-Oxime (6BIO) Suppresses the mTOR Pathway, Promotes Autophagy, and Exerts Anti-aging Effects in Rodent Liver. <i>Frontiers in Pharmacology</i> , 2019, 10, 320.	1.6	8
3016	Are skin senescence and immunosenescence linked within individuals?. <i>Aging Cell</i> , 2019, 18, e12956.	3.0	22
3017	Mitochondrial Dysfunction in the Aging Retina. <i>Biology</i> , 2019, 8, 31.	1.3	78
3018	Chromosomal instability and pro-inflammatory response in aging. <i>Mechanisms of Ageing and Development</i> , 2019, 182, 111118.	2.2	19
3019	The Effect of Exercise on Glucoregulatory Hormones: A Countermeasure to Human Aging: Insights from a Comprehensive Review of the Literature. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1709.	1.2	23
3020	A Natural mtDNA Polymorphism in Complex III Is a Modifier of Healthspan in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2359.	1.8	12
3021	Arginine induces IGF-1 secretion from the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 1128-1132.	1.0	19
3022	Characterization of long living yeast deletion mutants that lack mitochondrial metabolism genes DSS1, PPA2 and AFG3. <i>Gene</i> , 2019, 706, 172-180.	1.0	8

#	ARTICLE	IF	CITATIONS
3023	Data-Driven Analysis of Age, Sex, and Tissue Effects on Gene Expression Variability in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 392.	1.4	22
3024	Peak Power Output Is Similarly Recovered After Three- and Five-Days Rest Following Sprint Interval Training in Young and Older Adults. <i>Sports</i> , 2019, 7, 94.	0.7	13
3025	Carotenoids: How Effective Are They to Prevent Age-Related Diseases?. <i>Molecules</i> , 2019, 24, 1801.	1.7	96
3026	Oxidative Stress and the Epigenetics of Cell Senescence: Insights from Progeroid Syndromes. <i>Current Pharmaceutical Design</i> , 2019, 24, 4755-4770.	0.9	14
3027	Ageing characteristics of bone indicated by transcriptomic and exosomal proteomic analysis of cortical bone cells. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 129.	0.9	18
3028	Losing Sense of Self and Surroundings: Hematopoietic Stem Cell Aging and Leukemic Transformation. <i>Trends in Molecular Medicine</i> , 2019, 25, 494-515.	3.5	84
3029	The reduction effect of blood interleukin-6 concentration on aged Sprague-Dawley rats after <i>Centella asiatica</i> ethanolic extract administration. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
3030	From Powerhouse to Perpetrator Mitochondria in Health and Disease. <i>Biology</i> , 2019, 8, 35.	1.3	12
3031	Phytochemical composition and biological activities of differently pigmented cabbage (<i>Brassica</i>) varieties. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5499-5507.	1.7	35
3032	Link between cardiac function and the antioxidative defense mechanism in aged rats. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 1100-1105.	1.0	8
3033	Tetra-linoleoyl cardiolipin depletion plays a major role in the pathogenesis of sarcopenia. <i>Medical Hypotheses</i> , 2019, 127, 142-149.	0.8	24
3034	Comparability of biological aging measures in the National Health and Nutrition Examination Study, 1999-2002. <i>Psychoneuroendocrinology</i> , 2019, 106, 171-178.	1.3	73
3035	COPD as a Disease of Immunosenescence. <i>Yonsei Medical Journal</i> , 2019, 60, 407.	0.9	48
3036	Mitochondrial Quality Control in Aging and Heart Failure: Influence of Ketone Bodies and Mitofusin-Stabilizing Peptides. <i>Frontiers in Physiology</i> , 2019, 10, 382.	1.3	68
3037	Senotherapeutics: emerging strategy for healthy aging and age-related disease. <i>BMB Reports</i> , 2019, 52, 47-55.	1.1	134
3038	Physical Activity at Adulthood and Old Age. , 2019, , 59-69.		4
3039	Obstructive sleep apnea, nighttime arousals, and leukocyte telomere length: the Multi-Ethnic Study of Atherosclerosis. <i>Sleep</i> , 2019, 42, .	0.6	31
3040	Obesity May Accelerate the Aging Process. <i>Frontiers in Endocrinology</i> , 2019, 10, 266.	1.5	139

#	ARTICLE	IF	CITATIONS
3041	Proteasome dysfunction induces excessive proteome instability and loss of mitostasis that can be mitigated by enhancing mitochondrial fusion or autophagy. <i>Autophagy</i> , 2019, 15, 1757-1773.	4.3	29
3042	Quantification of the Lamin A/C Transcript Variants in Cancer Cell Lines by Targeted Absolute Quantitative Proteomics and Correlation with mRNA Expression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1902.	1.8	8
3043	Neurochemical Aspects of Alzheimer's Type of Dementia. , 2019, , 73-112.		1
3044	Primary cilium and brain aging: role in neural stem cells, neurodegenerative diseases and glioblastoma. <i>Ageing Research Reviews</i> , 2019, 52, 53-63.	5.0	24
3045	Pathophysiological Role of TRPM2 in Age-Related Cognitive Impairment in Mice. <i>Neuroscience</i> , 2019, 408, 204-213.	1.1	12
3046	The Human Lung Cell Atlas: A High-Resolution Reference Map of the Human Lung in Health and Disease. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 31-41.	1.4	178
3047	Generation and Characterization of Germline-Specific Autophagy and Mitochondrial Reactive Oxygen Species Reporters in <i>Drosophila</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 47.	1.8	10
3048	Novel Anti-Aging Benzoquinone Derivatives from <i>Onosma bracteatum</i> Wall. <i>Molecules</i> , 2019, 24, 1428.	1.7	12
3049	Sick of retirement?. <i>Journal of Health Economics</i> , 2019, 65, 133-152.	1.3	34
3050	Redox control of non-shivering thermogenesis. <i>Molecular Metabolism</i> , 2019, 25, 11-19.	3.0	35
3051	Drug screening in <i>Drosophila</i> ; why, when, and when not?. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2019, 8, e346.	5.9	26
3052	Oxidative stress resistance as a factor in aging: evidence from an extended longevity phenotype of <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2019, 20, 497-513.	2.0	33
3053	Effects of moderate mountain hiking and balneotherapy on community-dwelling older people: A randomized controlled trial. <i>Experimental Gerontology</i> , 2019, 122, 74-84.	1.2	16
3054	Moving Frailty Toward Clinical Practice: NIA Intramural Frailty Science Symposium Summary. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 1559-1564.	1.3	126
3055	Cellular parabiosis and the latency of age-related diseases. <i>Open Biology</i> , 2019, 9, 180250.	1.5	8
3056	Mitochondrial stress-dependent regulation of cellular protein synthesis. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	39
3057	Organelle aging: Lessons from model organisms. <i>Journal of Genetics and Genomics</i> , 2019, 46, 171-185.	1.7	10
3058	Effects of sulforaphane on D-galactose-induced liver aging in rats: Role of keap-1/nrf-2 pathway.. <i>European Journal of Pharmacology</i> , 2019, 855, 40-49.	1.7	43

#	ARTICLE	IF	CITATIONS
3059	Quest for Bioactive Compounds in Our Diet with Anti-Ageing and Anti-Aggregation Properties. Proceedings (mdpi), 2019, 11, .	0.2	0
3060	TGF β 2-induced senescence during early inner ear development. Scientific Reports, 2019, 9, 5912.	1.6	42
3061	Healthy skeletal muscle aging: The role of satellite cells, somatic mutations and exercise. International Review of Cell and Molecular Biology, 2019, 346, 157-200.	1.6	10
3062	Age-related deficit accumulation and the diseases of ageing. Mechanisms of Ageing and Development, 2019, 180, 107-116.	2.2	112
3063	Frailty biomarkers in humans and rodents: Current approaches and future advances. Mechanisms of Ageing and Development, 2019, 180, 117-128.	2.2	66
3064	Lizard Tail Extracts Exert Protective Effect Against Oxidative Stress-Induced Cellular Senescence in Human Fibroblasts. Journal of Medicinal Food, 2019, 22, 639-643.	0.8	0
3065	Disease-Specific Comorbidity Clusters in COPD and Accelerated Aging. Journal of Clinical Medicine, 2019, 8, 511.	1.0	32
3066	The Epigenetics of Stem Cell Aging Comes of Age. Trends in Cell Biology, 2019, 29, 563-568.	3.6	40
3067	NO-age in Norway. Translational Medicine of Aging, 2019, 3, 37-39.	0.6	1
3068	The Impact of Caloric Restriction on the Epigenetic Signatures of Aging. International Journal of Molecular Sciences, 2019, 20, 2022.	1.8	71
3069	The age modification to leukocyte telomere length effect on bone mineral density and osteoporosis among Chinese elderly women. Journal of Bone and Mineral Metabolism, 2019, 37, 1004-1012.	1.3	10
3070	Telomere attrition: metabolic regulation and signalling function?. Biology Letters, 2019, 15, 20180885.	1.0	76
3071	Photobiomodulation and Coenzyme Q10 Treatments Attenuate Cognitive Impairment Associated With Model of Transient Global Brain Ischemia in Artificially Aged Mice. Frontiers in Cellular Neuroscience, 2019, 13, 74.	1.8	57
3072	Circular RNA expression profile in human fibroblast premature senescence after repeated ultraviolet B irradiations revealed by microarray. Journal of Cellular Physiology, 2019, 234, 18156-18168.	2.0	23
3073	Endoplasmic reticulum stress at the crossroads of progeria and atherosclerosis. EMBO Molecular Medicine, 2019, 11, .	3.3	10
3074	T cell Co-Stimulatory molecules ICOS and CD28 stratify idiopathic pulmonary fibrosis survival. Respiratory Medicine: X, 2019, 1, 100002.	1.4	7
3075	The Aging Lung and Idiopathic Pulmonary Fibrosis. American Journal of the Medical Sciences, 2019, 357, 384-389.	0.4	66
3076	Untangling Aging Using Dynamic, Organism-Level Phenotypic Networks. Cell Systems, 2019, 8, 172-181.	2.9	29

#	ARTICLE	IF	CITATIONS
3077	Loss of genomic integrity induced by lysosphingolipid imbalance drives ageing in the heart. EMBO Reports, 2019, 20, .	2.0	26
3078	Pulmonary Diseases and Ageing. Sub-Cellular Biochemistry, 2019, 91, 45-74.	1.0	29
3079	Ageing and Cognition. Sub-Cellular Biochemistry, 2019, 91, 107-122.	1.0	61
3080	Down Syndrome, Ageing and Epigenetics. Sub-Cellular Biochemistry, 2019, 91, 161-193.	1.0	10
3081	Signal Transduction, Ageing and Disease. Sub-Cellular Biochemistry, 2019, 91, 227-247.	1.0	23
3082	Appropriate dose of ethanol exerts anti-senescence and anti-atherosclerosis protective effects by activating ALDH2. Biochemical and Biophysical Research Communications, 2019, 512, 319-325.	1.0	11
3083	Age-related loss of mitochondrial glutathione exacerbates menadione-induced inhibition of Complex I. Redox Biology, 2019, 22, 101155.	3.9	6
3084	Proteasome β 5 subunit overexpression improves proteostasis during aging and extends lifespan in <i>Drosophila melanogaster</i> . Scientific Reports, 2019, 9, 3170.	1.6	36
3085	The Role of Pathological Aging in Cardiac and Pulmonary Fibrosis. , 2019, 10, 419.		59
3086	The effects of ageing on dental pulp stem cells, the tooth longevity elixir. , 2019, 37, 175-185.		35
3087	Collagen. Methods in Molecular Biology, 2019, , .	0.4	5
3088	Measuring population ageing: an analysis of the Global Burden of Disease Study 2017. Lancet Public Health, The, 2019, 4, e159-e167.	4.7	403
3089	Anti-ageing and anti-Parkinsonian effects of natural flavonol, tambulin from <i>Zanthoxylum armatum</i> promotes longevity in <i>Caenorhabditis elegans</i> . Experimental Gerontology, 2019, 120, 50-61.	1.2	45
3090	The consequences of ageing, progeroid syndromes and cellular senescence on mechanotransduction and the nucleus. Experimental Cell Research, 2019, 378, 98-103.	1.2	17
3091	A clinically meaningful metric of immune age derived from high-dimensional longitudinal monitoring. Nature Medicine, 2019, 25, 487-495.	15.2	317
3092	Advantages and disadvantages of apoptosis in the aging process. Annals of the New York Academy of Sciences, 2019, 1443, 20-33.	1.8	43
3093	Icariin Delays Brain Aging in Senescence-Accelerated Mouse Prone 8 (SAMP8) Model via Inhibiting Autophagy. Journal of Pharmacology and Experimental Therapeutics, 2019, 369, 121-128.	1.3	23
3094	LINE1 Derepression in Aged Wild-Type and SIRT6-Deficient Mice Drives Inflammation. Cell Metabolism, 2019, 29, 871-885.e5.	7.2	299

#	ARTICLE	IF	CITATIONS
3095	Loss of a proteostatic checkpoint in intestinal stem cells contributes to age-related epithelial dysfunction. <i>Nature Communications</i> , 2019, 10, 1050.	5.8	39
3096	Esc2 promotes telomere stability in response to DNA replication stress. <i>Nucleic Acids Research</i> , 2019, 47, 4597-4611.	6.5	6
3097	Lifelong Football Training: Effects on Autophagy and Healthy Longevity Promotion. <i>Frontiers in Physiology</i> , 2019, 10, 132.	1.3	21
3098	Age-related gene and miRNA expression changes in airways of healthy individuals. <i>Scientific Reports</i> , 2019, 9, 3765.	1.6	34
3099	Klotho: An Elephant in Aging Research. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1031-1042.	1.7	52
3100	The p53/miRNAs/Ccna2 pathway serves as a novel regulator of cellular senescence: Complement of the canonical p53/p21 pathway. <i>Aging Cell</i> , 2019, 18, e12918.	3.0	50
3101	Normative range of blood biochemical parameters in urban Indian school-going adolescents. <i>PLoS ONE</i> , 2019, 14, e0213255.	1.1	5
3102	Epigenetic changes during aging and their reprogramming potential. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 61-83.	2.3	176
3103	JNK modifies neuronal metabolism to promote proteostasis and longevity. <i>Aging Cell</i> , 2019, 18, e12849.	3.0	18
3104	Astrocyte senescence: Evidence and significance. <i>Aging Cell</i> , 2019, 18, e12937.	3.0	162
3105	Antioxidant effects of curcumin in models of neurodegeneration, aging, oxidative and nitrosative stress: A review. <i>Neuroscience</i> , 2019, 406, 1-21.	1.1	194
3106	Maternal Sleep in Pregnancy and Postpartum Part II: Biomechanisms and Intervention Strategies. <i>Current Psychiatry Reports</i> , 2019, 21, 19.	2.1	14
3107	Fibroblast origin shapes tissue homeostasis, epidermal differentiation, and drug uptake. <i>Scientific Reports</i> , 2019, 9, 2913.	1.6	41
3108	Histone Modifications and the Maintenance of Telomere Integrity. <i>Cells</i> , 2019, 8, 199.	1.8	29
3109	Nicotinamide adenine dinucleotide emerges as a therapeutic target in aging and ischemic conditions. <i>Biogerontology</i> , 2019, 20, 381-395.	2.0	27
3110	Independent Roles of Estrogen Deficiency and Cellular Senescence in the Pathogenesis of Osteoporosis: Evidence in Young Adult Mice and Older Humans. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1407-1418.	3.1	77
3111	The Genetics of Aging: A Vertebrate Perspective. <i>Cell</i> , 2019, 177, 200-220.	13.5	177
3112	Maintenance of Nucleolar Homeostasis by CBX4 Alleviates Senescence and Osteoarthritis. <i>Cell Reports</i> , 2019, 26, 3643-3656.e7.	2.9	81

#	ARTICLE	IF	CITATIONS
3113	The Link Between Epigenetic Clocks for Aging and Senescence. <i>Frontiers in Genetics</i> , 2019, 10, 303.	1.1	44
3114	Regulatory mechanisms and clinical manifestations of musculoskeletal aging. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1475-1488.	1.2	22
3115	Yeast at the Forefront of Research on Ageing and Age-Related Diseases. <i>Progress in Molecular and Subcellular Biology</i> , 2019, 58, 217-242.	0.9	21
3116	Mitochondrial Permeability Uncouples Elevated Autophagy and Lifespan Extension. <i>Cell</i> , 2019, 177, 299-314.e16.	13.5	137
3117	Modulation of miR-34a/SIRT1 signaling protects cochlear hair cells against oxidative stress and delays age-related hearing loss through coordinated regulation of mitophagy and mitochondrial biogenesis. <i>Neurobiology of Aging</i> , 2019, 79, 30-42.	1.5	73
3118	Protein damage, ageing and age-related diseases. <i>Open Biology</i> , 2019, 9, 180249.	1.5	84
3119	Histone Modifications as an Intersection Between Diet and Longevity. <i>Frontiers in Genetics</i> , 2019, 10, 192.	1.1	58
3120	Dynamic DNA Methylation During Aging: A "Prophet" of Age-Related Outcomes. <i>Frontiers in Genetics</i> , 2019, 10, 107.	1.1	91
3121	Phytochemicals Rosmarinic Acid, Ampelopsin, and Amorfrutin-A Can Modulate Age-Related Phenotype of Serially Passaged Human Skin Fibroblasts in vitro. <i>Frontiers in Genetics</i> , 2019, 10, 81.	1.1	20
3122	Blood and brain protein levels of ubiquitin-conjugating enzyme E2K (UBE2K) are elevated in individuals with schizophrenia. <i>Journal of Psychiatric Research</i> , 2019, 113, 51-57.	1.5	14
3123	Hydroxytyrosol protects from aging process via AMPK and autophagy; a review of its effects on cancer, metabolic syndrome, osteoporosis, immune-mediated and neurodegenerative diseases. <i>Pharmacological Research</i> , 2019, 143, 58-72.	3.1	92
3124	Telomere shortening as a hallmark of stem cell senescence. <i>Stem Cell Investigation</i> , 2019, 6, 7-7.	1.3	49
3125	Two stochastic processes shape diverse senescence patterns in a single-cell organism. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 847-857.	1.1	12
3126	Circulating miR-146a in healthy aging and type 2 diabetes: Age- and gender-specific trajectories. <i>Mechanisms of Ageing and Development</i> , 2019, 180, 1-10.	2.2	64
3127	The Effect of Gaussian Noise on Maximum Likelihood Fitting of Gompertz and Weibull Mortality Models with Yeast Lifespan Data. <i>Experimental Aging Research</i> , 2019, 45, 167-179.	0.6	4
3128	The curcumin analog EF24 is a novel senolytic agent. <i>Aging</i> , 2019, 11, 771-782.	1.4	100
3129	Mitochondrial Impairment Induced by Sub-Chronic Exposure to Multi-Walled Carbon Nanotubes. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 792.	1.2	19
3130	Mouse models in modeling aging and cancer. <i>Experimental Gerontology</i> , 2019, 120, 88-94.	1.2	10

#	ARTICLE	IF	CITATIONS
3131	The Role of Curcumin in the Modulation of Ageing. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1239.	1.8	93
3132	Effect of aging on the tendon structure and tendon-associated gene expression in mouse foot flexor tendon. <i>Biomedical Reports</i> , 2019, 10, 238-244.	0.9	11
3133	Remodeling of epigenome and transcriptome landscapes with aging in mice reveals widespread induction of inflammatory responses. <i>Genome Research</i> , 2019, 29, 697-709.	2.4	234
3134	Cellular Senescence as a Mechanism and Target in Chronic Lung Diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 556-564.	2.5	282
3135	<scp>KMT</scp> 1 family methyltransferases regulate heterochromatin-associated nuclear periphery tethering via histone and non-histone protein methylation. <i>EMBO Reports</i> , 2019, 20, .	2.0	18
3136	Entanglement of Genetics and Epigenetics in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 277.	1.4	51
3137	Assessing Collagen Deposition During Aging in Mammalian Tissue and in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2019, 1944, 169-188.	0.4	40
3138	Accelerating research on biological aging and mental health: Current challenges and future directions. <i>Psychoneuroendocrinology</i> , 2019, 106, 293-311.	1.3	61
3139	Enhanced autophagic-lysosomal activity and increased BAG3-mediated selective macroautophagy as adaptive response of neuronal cells to chronic oxidative stress. <i>Redox Biology</i> , 2019, 24, 101181.	3.9	25
3140	Epigenetics as a New Frontier in Orthopedic Regenerative Medicine and Oncology. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1465-1474.	1.2	49
3141	Changes in ultrastructure of gonads and external morphology during aging in the parthenogenetic cladoceran <i>Daphnia pulex</i> . <i>Micron</i> , 2019, 122, 1-7.	1.1	8
3142	The receptor for advanced glycation end-products (RAGE) is an important pattern recognition receptor (PRR) for inflammaging. <i>Biogerontology</i> , 2019, 20, 279-301.	2.0	93
3143	Cellular Senescence: The Trojan Horse in Chronic Lung Diseases. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 61, 21-30.	1.4	45
3144	The epigenetic clock as a predictor of disease and mortality risk: a systematic review and meta-analysis. <i>Clinical Epigenetics</i> , 2019, 11, 62.	1.8	198
3145	In vitro model of chronological aging of adipocytes: Interrelationships with hypoxia and oxidation. <i>Experimental Gerontology</i> , 2019, 121, 81-90.	1.2	18
3146	Mesenchymal stem cells and their mitochondrial transfer: a double-edged sword. <i>Bioscience Reports</i> , 2019, 39, .	1.1	69
3147	Earlier changes in mice after D-galactose treatment were improved by mitochondria derived small peptide MOTS-c. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 439-445.	1.0	27
3148	Reactive Oxygen Species (ROS)-Based Nanomedicine. <i>Chemical Reviews</i> , 2019, 119, 4881-4985.	23.0	1,519

#	ARTICLE	IF	CITATIONS
3149	Drugs that target aging: how do we discover them?. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 541-548.	2.5	10
3150	Role of Combined Lipoic Acid and Vitamin D3 on Astrocytes as a Way to Prevent Brain Ageing by Induced Oxidative Stress and Iron Accumulation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	34
3151	Up-regulation of FOXD1 by YAP alleviates senescence and osteoarthritis. <i>PLoS Biology</i> , 2019, 17, e3000201.	2.6	104
3152	A Review and Hypothesized Model of the Mechanisms That Underpin the Relationship Between Inflammation and Cognition in the Elderly. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 56.	1.7	74
3153	Basic and translational aging research in China: present and future. <i>Protein and Cell</i> , 2019, 10, 476-484.	4.8	27
3154	Sulforaphane - role in aging and neurodegeneration. <i>GeroScience</i> , 2019, 41, 655-670.	2.1	89
3155	Enhanced β -adrenergic signalling underlies an age-dependent beneficial metabolic effect of PI3K p110 α inactivation in adipose tissue. <i>Nature Communications</i> , 2019, 10, 1546.	5.8	27
3156	Age-Dependent Changes in Transcription Factor FOXO Targeting in Female Drosophila. <i>Frontiers in Genetics</i> , 2019, 10, 312.	1.1	37
3157	Heparin: An essential drug for modern medicine. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 163, 1-19.	0.9	53
3158	Heparinoids Danaparoid and Sulodexide as clinically used drugs. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 163, 55-74.	0.9	19
3159	GRSF1 is an age-related regulator of senescence. <i>Scientific Reports</i> , 2019, 9, 5546.	1.6	11
3160	N-terminal residues of human dyskerin are required for interactions with telomerase RNA that prevent RNA degradation. <i>Nucleic Acids Research</i> , 2019, 47, 5368-5380.	6.5	20
3161	Structural and biochemical analysis of DNA lesion-induced RNA polymerase II arrest. <i>Methods</i> , 2019, 159-160, 29-34.	1.9	6
3162	New Insights into the Role of Epithelial-Mesenchymal Transition during Aging. <i>International Journal of Molecular Sciences</i> , 2019, 20, 891.	1.8	38
3163	Redox Imbalance in Idiopathic Pulmonary Fibrosis: A Role for Oxidant Cross-Talk Between NADPH Oxidase Enzymes and Mitochondria. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 1092-1115.	2.5	57
3164	Knockout of receptor for advanced glycation end-products attenuates age-related renal lesions. <i>Aging Cell</i> , 2019, 18, e12850.	3.0	34
3165	Telomere-dependent and telomere-independent roles of RAP1 in regulating human stem cell homeostasis. <i>Protein and Cell</i> , 2019, 10, 649-667.	4.8	35
3166	Molecular Mechanisms of Intervertebral Disc Degeneration. <i>Spine Surgery and Related Research</i> , 2019, 3, 1-11.	0.4	51

#	ARTICLE	IF	CITATIONS
3167	Approaches towards Longevity: Reprogramming, Senolysis, and Improved Mitotic Competence as Anti-Aging Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 938.	1.8	17
3168	Reduced lifespan of mice lacking catalase correlates with altered lipid metabolism without oxidative damage or premature aging. <i>Free Radical Biology and Medicine</i> , 2019, 135, 102-115.	1.3	24
3169	The mTORC1-autophagy pathway is a target for senescent cell elimination. <i>Biogerontology</i> , 2019, 20, 331-335.	2.0	24
3170	Trajectories of Accumulation of Health Deficits in Older Adults: Are There Variations According to Health Domains?. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 710-717.e6.	1.2	21
3171	Divergent patterns of telomere shortening in tropical compared to temperate stonechats. <i>Ecology and Evolution</i> , 2019, 9, 511-521.	0.8	8
3172	Natural Killer Cells and Alzheimer's Disease. , 2019, , 1-17.		0
3173	Association of physical activity and fitness with S-Klotho plasma levels in middle-aged sedentary adults: The FIT-AGEING study. <i>Maturitas</i> , 2019, 123, 25-31.	1.0	20
3174	L1 drives IFN in senescent cells and promotes age-associated inflammation. <i>Nature</i> , 2019, 566, 73-78.	13.7	701
3175	High doses of synthetic antioxidants induce premature senescence in cultivated mesenchymal stem cells. <i>Scientific Reports</i> , 2019, 9, 1296.	1.6	86
3176	Complement factor H regulates retinal development and its absence may establish a footprint for age related macular degeneration. <i>Scientific Reports</i> , 2019, 9, 1082.	1.6	29
3177	Senescent Cells in Early Vascular Ageing and Bone Disease of Chronic Kidney Disease – A Novel Target for Treatment. <i>Toxins</i> , 2019, 11, 82.	1.5	31
3178	Cancer epigenetics in solid organ tumours: A primer for surgical oncologists. <i>European Journal of Surgical Oncology</i> , 2019, 45, 736-746.	0.5	16
3179	Immune aging in diabetes and its implications in wound healing. <i>Clinical Immunology</i> , 2019, 200, 43-54.	1.4	60
3180	Prenatal cadmium exposure is associated with shorter leukocyte telomere length in Chinese newborns. <i>BMC Medicine</i> , 2019, 17, 27.	2.3	31
3181	Biological markers for the effects of yoga as a complementary and alternative medicine. <i>Journal of Complementary and Integrative Medicine</i> , 2019, 16, .	0.4	24
3182	Mitochondrial Dysfunction and Aging: Insights from the Analysis of Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 805.	1.8	125
3183	Imbalanced nucleocytoskeletal connections create common polarity defects in progeria and physiological aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3578-3583.	3.3	52
3185	Functional genomics of dietary restriction and longevity in yeast. <i>Mechanisms of Ageing and Development</i> , 2019, 179, 36-43.	2.2	11

#	ARTICLE	IF	CITATIONS
3186	Sirtuins and FoxOs in osteoporosis and osteoarthritis. <i>Bone</i> , 2019, 121, 284-292.	1.4	89
3187	Effects on longevity extension and mechanism of action of carnosic acid in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2019, 10, 1398-1410.	2.1	58
3188	Roles of angiopoietin-like proteins in regulation of stem cell activity. <i>Journal of Biochemistry</i> , 2019, 165, 309-315.	0.9	14
3189	<i>Biology of the Aging Process.</i> , 2019, , 272-272.		0
3190	Accelerated lung aging and chronic obstructive pulmonary disease. <i>Expert Review of Respiratory Medicine</i> , 2019, 13, 369-380.	1.0	14
3191	Oxytocin alleviates cellular senescence through oxytocin receptor-mediated extracellular signal-regulated kinase/Nrf2 signalling. <i>British Journal of Dermatology</i> , 2019, 181, 1216-1225.	1.4	21
3192	Adult Cardiac Stem Cell Aging: A Reversible Stochastic Phenomenon?. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	1.9	31
3193	Long live the queen, the king and the commoner? Transcript expression differences between old and young in the termite <i>Cryptotermes secundus</i> . <i>PLoS ONE</i> , 2019, 14, e0210371.	1.1	23
3194	The OncoAge Consortium: Linking Aging and Oncology from Bench to Bedside and Back Again. <i>Cancers</i> , 2019, 11, 250.	1.7	2
3195	Psychological Wellbeing and Healthy Aging: Focus on Telomeres. <i>Geriatrics (Switzerland)</i> , 2019, 4, 25.	0.6	31
3196	Targeting Cell Senescence for the Treatment of Age-Related Bone Loss. <i>Current Osteoporosis Reports</i> , 2019, 17, 70-85.	1.5	32
3197	Growth hormone impact on adipose tissue and aging. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2019, 5, 45-57.	0.6	0
3198	An atlas of the aging lung mapped by single cell transcriptomics and deep tissue proteomics. <i>Nature Communications</i> , 2019, 10, 963.	5.8	408
3199	The Neuroprotector Benzothiazepine CGP37157 Extends Lifespan in <i>C. elegans</i> Worms. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 440.	1.7	9
3200	Sex-specific stress tolerance, proteolysis, and lifespan in the invertebrate <i>Tigriopus californicus</i> . <i>Experimental Gerontology</i> , 2019, 119, 146-156.	1.2	43
3201	Epigenetic clock analysis of blood samples from Japanese schizophrenia patients. <i>NPJ Schizophrenia</i> , 2019, 5, 4.	2.0	37
3202	DAF-16 stabilizes the aging transcriptome and is activated in mid-aged <i>Caenorhabditis elegans</i> to cope with internal stress. <i>Aging Cell</i> , 2019, 18, e12896.	3.0	53
3203	The angiotensin(1-7)/Mas receptor axis protects from endothelial cell senescence via klotho and Nrf2 activation. <i>Aging Cell</i> , 2019, 18, e12913.	3.0	80

#	ARTICLE	IF	CITATIONS
3204	Elimination of senescent osteoclast progenitors has no effect on the age-associated loss of bone mass in mice. <i>Aging Cell</i> , 2019, 18, e12923.	3.0	57
3205	Senescence lncRNAs govern cell surface components: lncRNA-OIS1 transcriptionally elevates DPP4. <i>Non-coding RNA Investigation</i> , 0, 3, 6-6.	0.6	1
3206	White shark genome reveals ancient elasmobranch adaptations associated with wound healing and the maintenance of genome stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4446-4455.	3.3	92
3207	Mitochondrion-processed TERC regulates senescence without affecting telomerase activities. <i>Protein and Cell</i> , 2019, 10, 631-648.	4.8	34
3208	Relationships Between Ion Channels, Mitochondrial Functions and Inflammation in Human Aging. <i>Frontiers in Physiology</i> , 2019, 10, 158.	1.3	43
3209	Chronic Obstructive Pulmonary Disease as a Main Factor of Premature Aging. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 540.	1.2	3
3210	The global clonal complexity of the murine blood system declines throughout life and after serial transplantation. <i>Blood</i> , 2019, 133, 1927-1942.	0.6	45
3211	The LNT model for cancer induction is not supported by radiobiological data. <i>Chemico-Biological Interactions</i> , 2019, 301, 34-53.	1.7	37
3212	Macrophage achieves self-protection against oxidative stress-induced ageing through the Mst-Nrf2 axis. <i>Nature Communications</i> , 2019, 10, 755.	5.8	150
3213	Interferon-induced guanylate-binding proteins: Guardians of host defense in health and disease. <i>Journal of Experimental Medicine</i> , 2019, 216, 482-500.	4.2	184
3214	Set1-catalyzed H3K4 trimethylation antagonizes the HIR/Asf1/Rtt106 repressor complex to promote histone gene expression and chronological life span. <i>Nucleic Acids Research</i> , 2019, 47, 3434-3449.	6.5	29
3215	Ribosomal DNA harbors an evolutionarily conserved clock of biological aging. <i>Genome Research</i> , 2019, 29, 325-333.	2.4	98
3216	Role of physical exercise in the regulation of epigenetic mechanisms in inflammation, cancer, neurodegenerative diseases, and aging process. <i>Journal of Cellular Physiology</i> , 2019, 234, 14852-14864.	2.0	45
3218	Ageing research using the common marmoset: Focus on aging interventions. <i>Nutrition and Healthy Aging</i> , 2019, 5, 97-109.	0.5	22
3219	REVISITING THE HALLMARKS OF AGING TO IDENTIFY MARKERS OF BIOLOGICAL AGE. <i>Journal of Prevention of Alzheimer's Disease</i> , The, 2020, 7, 1-9.	1.5	56
3220	Latest advances in aging research and drug discovery. <i>Aging</i> , 2019, 11, 9971-9981.	1.4	13
3221	Mesenchymal Stromal Cells as a Therapeutic Intervention. , 2019, , .		0
3222	Metformin Modulates the Mechanisms of Ageing. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
3223	Inhibition of DRP-1-Dependent Mitophagy Promotes Cochlea Hair Cell Senescence and Exacerbates Age-Related Hearing Loss. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 550.	1.8	31
3224	The many ages of man. <i>Current Opinion in Psychiatry</i> , 2019, 32, 130-137.	3.1	10
3225	Mitochondria and Alzheimer's Disease: An Electron Microscopy Study. , 2019, , .		4
3226	Different strokes for older folks (with TTP). <i>Blood</i> , 2019, 134, 2125-2126.	0.6	1
3227	Molecular Mechanisms of Aging: The Role of Oxidative Stress and Epigenetic Modifications. <i>Advances in Gerontology</i> , 2019, 9, 417-425.	0.1	6
3228	Epigenetic Drugs. , 2019, , 11-11.		0
3229	Geroscience and the challenges of aging societies. <i>Aging Medicine (Milton (N S W))</i> , 2019, 2, 132-134.	0.9	26
3230	DNA damage responses in ageing. <i>Open Biology</i> , 2019, 9, 190168.	1.5	46
3231	Let-7 miRNA's Expression Profile and Its Potential Prognostic Role in Uterine Leiomyosarcoma. <i>Cells</i> , 2019, 8, 1452.	1.8	16
3232	Murine single-cell RNA-seq reveals cell-identity- and tissue-specific trajectories of aging. <i>Genome Research</i> , 2019, 29, 2088-2103.	2.4	132
3233	Proteostasis In The Endoplasmic Reticulum: Road to Cure. <i>Cancers</i> , 2019, 11, 1793.	1.7	21
3234	The clock is ticking: the impact of ageing on T cell metabolism. <i>Clinical and Translational Immunology</i> , 2019, 8, e01091.	1.7	30
3235	KDM3A and KDM4C Regulate Mesenchymal Stromal Cell Senescence and Bone Aging via Condensin-mediated Heterochromatin Reorganization. <i>IScience</i> , 2019, 21, 375-390.	1.9	38
3236	Apocynin Dietary Supplementation Delays Mouse Ovarian Ageing. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	13
3237	Redox modulating effects of grape juice during aging. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020, 31, .	0.7	1
3238	Inhibition of DNA damage response at telomeres improves the detrimental phenotypes of Hutchinson's Gilford Progeria Syndrome. <i>Nature Communications</i> , 2019, 10, 4990.	5.8	85
3239	Tryptophan Metabolism in Inflammaging: From Biomarker to Therapeutic Target. <i>Frontiers in Immunology</i> , 2019, 10, 2565.	2.2	206
3240	Agephagy – Adapting Autophagy for Health During Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 308.	1.8	43

#	ARTICLE	IF	CITATIONS
3241	Dissecting Aging and Senescence—Current Concepts and Open Lessons. <i>Cells</i> , 2019, 8, 1446.	1.8	86
3242	Mitochondrial Dysfunction in Aging and Cancer. <i>Journal of Clinical Medicine</i> , 2019, 8, 1983.	1.0	47
3243	Suppressing Aneuploidy-Associated Phenotypes Improves the Fitness of Trisomy 21 Cells. <i>Cell Reports</i> , 2019, 29, 2473-2488.e5.	2.9	40
3244	Plant-Rich Dietary Patterns, Plant Foods and Nutrients, and Telomere Length. <i>Advances in Nutrition</i> , 2019, 10, S296-S303.	2.9	51
3245	Mitochondrial oxidative capacity and NAD ⁺ biosynthesis are reduced in human sarcopenia across ethnicities. <i>Nature Communications</i> , 2019, 10, 5808.	5.8	159
3246	Exonic Variants in Aging-Related Genes Are Predictive of Phenotypic Aging Status. <i>Frontiers in Genetics</i> , 2019, 10, 1277.	1.1	5
3247	Implications of Aging in Plastic Surgery. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2085.	0.3	15
3248	Future Cell and Gene Therapy for Osteoarthritis (OA): Potential for Using Mammalian Protein Production Platforms, Irradiated and Transfected Protein Packaging Cell Lines for Over-Production of Therapeutic Proteins and Growth Factors. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1247, 17-31.	0.8	10
3249	Comparison of methylation patterns generated from genomic and cell-line derived DNA using the Illumina Infinium MethylationEPIC BeadChip array. <i>BMC Research Notes</i> , 2019, 12, 821.	0.6	2
3250	High-glucose diets induce mitochondrial dysfunction in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2019, 14, e0226652.	1.1	29
3251	Emerging Insights into the Metabolic Alterations in Aging Using Metabolomics. <i>Metabolites</i> , 2019, 9, 301.	1.3	72
3252	The deteriorating soma and the indispensable germline: gamete senescence and offspring fitness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192187.	1.2	53
3253	Effects of Ginsenoside Rg1 Regulating Wnt/ β -Catenin Signaling on Neural Stem Cells to Delay Brain Senescence. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	19
3254	The Anti-Aging Potential of Neohesperidin and Its Synergistic Effects with Other Citrus Flavonoids in Extending Chronological Lifespan of <i>Saccharomyces Cerevisiae</i> BY4742. <i>Molecules</i> , 2019, 24, 4093.	1.7	31
3255	Natural Bioactive Compounds As Protectors Of Mitochondrial Dysfunction In Cardiovascular Diseases And Aging. <i>Molecules</i> , 2019, 24, 4259.	1.7	30
3256	4-Phenylbutyric Acid Reduces Endoplasmic Reticulum Stress in Chondrocytes That Is Caused by Loss of the Protein Disulfide Isomerase ERp57. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	27
3257	Mitochondria, Telomeres and Telomerase Subunits. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 274.	1.8	66
3258	Preclinical Research of Dihydromyricetin for Brain Aging and Neurodegenerative Diseases. <i>Frontiers in Pharmacology</i> , 2019, 10, 1334.	1.6	29

#	ARTICLE	IF	CITATIONS
3259	Role of Nicotinamide in Genomic Stability and Skin Cancer Chemoprevention. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5946.	1.8	48
3260	Multi-dimensional computational pipeline for large-scale deep screening of compound effect assessment: an in silico case study on ageing-related compounds. <i>Npj Systems Biology and Applications</i> , 2019, 5, 42.	1.4	3
3261	ATM Deficiency Accelerates DNA Damage, Telomere Erosion, and Premature T Cell Aging in HIV-Infected Individuals on Antiretroviral Therapy. <i>Frontiers in Immunology</i> , 2019, 10, 2531.	2.2	27
3262	Advanced Age Is Associated with Iron Dyshomeostasis and Mitochondrial DNA Damage in Human Skeletal Muscle. <i>Cells</i> , 2019, 8, 1525.	1.8	39
3263	The Effects of Calorie Restriction on Autophagy: Role on Aging Intervention. <i>Nutrients</i> , 2019, 11, 2923.	1.7	56
3264	Senescent cell turnover slows with age providing an explanation for the Gompertz law. <i>Nature Communications</i> , 2019, 10, 5495.	5.8	94
3265	Oxidative Stress, DNA Damage and Repair Pathways in Patients with Type 2 Diabetes Mellitus. , 0, , .		1
3266	Poor Oral Health as a Determinant of Malnutrition and Sarcopenia. <i>Nutrients</i> , 2019, 11, 2898.	1.7	140
3267	Editorial: Cognitive and Brain Aging: Interventions to Promote Well-Being in Old Age. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 268.	1.7	9
3268	Autophagy: Biology and Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	28
3270	Telomeres as Therapeutic Targets in Heart Disease. <i>JACC Basic To Translational Science</i> , 2019, 4, 855-865.	1.9	26
3271	The exercise cytokine interleukin-15 rescues slow wound healing in aged mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 20024-20038.	1.6	16
3272	DNA methylation aging clocks: challenges and recommendations. <i>Genome Biology</i> , 2019, 20, 249.	3.8	552
3273	Temporal Control of Axonal Transport: The Extreme Case of Organismal Ageing. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 393.	1.8	22
3274	çŹ`ãçfãœ`ã¥ã°`è€3/4,,ãE-æ%`œ1/4”çš,,èS`è%`2i1/4šç©°æ” æ±jæŸ“çš,,æ1/2œãœ`ã1/2±ã“: Environmental Health Perspectives (Chinese		0
3275	Insights From Atrial Fibrillation Genomics. <i>Cardiology in Review</i> , 2019, 27, 302-307.	0.6	5
3276	Dermoscopic Evaluation of Skin Frailty. <i>Journal of Wound, Ostomy and Continence Nursing</i> , 2019, 46, 547-549.	0.6	2
3277	Induced Liver Fibrosis Is Accompanied in Young and Old Animals by Age-Dependent Changes in Bone Marrow Cells. <i>Advances in Gerontology</i> , 2019, 9, 289-297.	0.1	2

#	ARTICLE	IF	CITATIONS
3278	Adipose-Derived Mesenchymal Stem Cells Isolated from Patients with Abdominal Aortic Aneurysm Exhibit Senescence Phenomena. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	22
3279	Are We Ill Because We Age?. <i>Frontiers in Physiology</i> , 2019, 10, 1508.	1.3	41
3281	Mitochondria and Aging. , 2019, , 97-100.		0
3282	CSB promoter downregulation via histone H3 hypoacetylation is an early determinant of replicative senescence. <i>Nature Communications</i> , 2019, 10, 5576.	5.8	28
3283	Testosterone propionate activated the Nrf2-ARE pathway in ageing rats and ameliorated the age-related changes in liver. <i>Scientific Reports</i> , 2019, 9, 18619.	1.6	12
3284	CircHECTD1 mediates pulmonary fibroblast activation <i>via</i> HECTD1. <i>Therapeutic Advances in Chronic Disease</i> , 2019, 10, 204062231989155.	1.1	25
3285	Epidemiological pathology of A β ² deposition in the ageing brain in CFAS: addition of multiple A β ² -derived measures does not improve dementia assessment using logistic regression and machine learning approaches. <i>Acta Neuropathologica Communications</i> , 2019, 7, 198.	2.4	14
3286	The Rules of Engagement: Do Microglia Seal the Fate in the Inverse Relation of Glioma and Alzheimer's Disease?. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 522.	1.8	6
3287	Accelerated aging in serious mental disorders. <i>Current Opinion in Psychiatry</i> , 2019, 32, 381-387.	3.1	30
3288	A genomic predictor of lifespan in vertebrates. <i>Scientific Reports</i> , 2019, 9, 17866.	1.6	50
3289	Identification and characterization of Cardiac Glycosides as senolytic compounds. <i>Nature Communications</i> , 2019, 10, 4731.	5.8	230
3290	The DNA damage response to transcription stress. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 766-784.	16.1	184
3291	Single-cell transcriptomic profiling of the aging mouse brain. <i>Nature Neuroscience</i> , 2019, 22, 1696-1708.	7.1	432
3292	Muscle stem cell renewal suppressed by GAS1 can be reversed by GDNF in mice. <i>Nature Metabolism</i> , 2019, 1, 985-995.	5.1	19
3293	Defects in mtDNA replication challenge nuclear genome stability through nucleotide depletion and provide a unifying mechanism for mouse progerias. <i>Nature Metabolism</i> , 2019, 1, 958-965.	5.1	57
3294	Inflamm-aging of hematopoietic stem cells. <i>Blood Science</i> , 2019, 1, 141-143.	0.4	3
3295	Genetic aspects of early menopause. <i>Journal of Bio-X Research</i> , 2019, 2, 105-111.	0.3	2
3296	Exploring the Causal Pathway From Telomere Length to Alzheimer's Disease: An Update Mendelian Randomization Study. <i>Frontiers in Psychiatry</i> , 2019, 10, 843.	1.3	19

#	ARTICLE	IF	CITATIONS
3297	Causal roles of mitochondrial dynamics in longevity and healthy aging. <i>EMBO Reports</i> , 2019, 20, e48395.	2.0	114
3298	mTORC1-Rps15 Axis Contributes to the Mechanisms Underlying Global Translation Reduction During Senescence of Mouse Embryonic Fibroblasts. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 337.	1.8	6
3299	Comprehensive longitudinal study of epigenetic mutations in aging. <i>Clinical Epigenetics</i> , 2019, 11, 187.	1.8	21
3300	Dietary Factors in the Control of Gut Homeostasis, Intestinal Stem Cells, and Colorectal Cancer. <i>Nutrients</i> , 2019, 11, 2936.	1.7	25
3301	Compare and contrast: pediatric cancer versus adult malignancies. <i>Cancer and Metastasis Reviews</i> , 2019, 38, 673-682.	2.7	52
3302	New Insights for Cellular and Molecular Mechanisms of Aging and Aging-Related Diseases: Herbal Medicine as Potential Therapeutic Approach. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-25.	1.9	60
3304	Nrf2 in aging – Focus on the cardiovascular system. <i>Vascular Pharmacology</i> , 2019, 112, 42-53.	1.0	31
3305	Conserved signaling pathways genetically associated with longevity across the species. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1745-1755.	1.8	30
3306	Telomere and its role in the aging pathways: telomere shortening, cell senescence and mitochondria dysfunction. <i>Biogerontology</i> , 2019, 20, 1-16.	2.0	135
3307	Quercetin in Idiopathic Pulmonary Fibrosis: Another Brick in the Senolytic Wall. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 3-4.	1.4	13
3308	Stem cell therapy for neurological disorders: A focus on aging. <i>Neurobiology of Disease</i> , 2019, 126, 85-104.	2.1	52
3309	Impaired proteostasis during skeletal muscle aging. <i>Free Radical Biology and Medicine</i> , 2019, 132, 58-66.	1.3	89
3310	Metabolism of sleep and aging: Bridging the gap using metabolomics. <i>Nutrition and Healthy Aging</i> , 2019, 5, 167-184.	0.5	7
3311	Reactive oxygen species, aging and articular cartilage homeostasis. <i>Free Radical Biology and Medicine</i> , 2019, 132, 73-82.	1.3	337
3312	MicroRNAs and the Genetic Nexus of Brain Aging, Neuroinflammation, Neurodegeneration, and Brain Trauma. , 2019, 10, 329.		33
3313	Hallmarks of Aging: An Autophagic Perspective. <i>Frontiers in Endocrinology</i> , 2018, 9, 790.	1.5	174
3314	Aging-Related Changes in Cognition and Cortical Integrity are Associated With Serum Expression of Candidate MicroRNAs for Alzheimer Disease. <i>Cerebral Cortex</i> , 2019, 29, 4426-4437.	1.6	28
3315	Recovery from mild <i>Escherichia coli</i> O157:H7 infection in young and aged C57BL/6 mice with intact flora estimated by fecal shedding, locomotor activity and grip strength. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 63, 1-9.	0.7	4

#	ARTICLE	IF	CITATIONS
3316	The role of arginase in aging: A systematic review. <i>Experimental Gerontology</i> , 2019, 116, 54-73.	1.2	24
3317	Regenerative Medicine in the Digital Age. <i>Computers in Health Care</i> , 2019, , 71-83.	0.2	1
3318	To the freezers! Stored biospecimens from human randomized trials are an important new direction for studies of biological aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 89-90.	1.7	2
3319	HIV infection epidemiology: a change of scenery. <i>European Geriatric Medicine</i> , 2019, 10, 169-174.	1.2	4
3320	Why are people with HIV considered "older adults" in their fifties?. <i>European Geriatric Medicine</i> , 2019, 10, 183-188.	1.2	13
3321	The Clearance Effect of Tetrahedral DNA Nanostructures on Senescent Human Dermal Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1942-1950.	4.0	37
3322	Knockdown of heterochromatin protein 1 binding protein 3 recapitulates phenotypic, cellular, and molecular features of aging. <i>Aging Cell</i> , 2019, 18, e12886.	3.0	13
3323	Association between Body Iron Status and Leukocyte Telomere Length, a Biomarker of Biological Aging, in a Nationally Representative Sample of US Adults. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2019, 119, 617-625.	0.4	22
3324	The role of neuro-immune interactions in cancer-related fatigue: Biobehavioral risk factors and mechanisms. <i>Cancer</i> , 2019, 125, 353-364.	2.0	115
3325	Cellular senescence is associated with reorganization of the microtubule cytoskeleton. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1169-1183.	2.4	56
3326	Synthetic lethal interaction between oxidative stress response and DNA damage repair in the budding yeast and its application to targeted anticancer therapy. <i>Journal of Microbiology</i> , 2019, 57, 9-17.	1.3	8
3327	Mitochondrial quality control as a key determinant of cell survival. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 575-587.	1.9	97
3328	Diminished Jak/STAT Signaling Causes Early-Onset Aging Defects in Stem Cell Cytokinesis. <i>Current Biology</i> , 2019, 29, 256-267.e3.	1.8	12
3329	Heme oxygenase-1 prevents heart against myocardial infarction by attenuating ischemic injury-induced cardiomyocytes senescence. <i>EBioMedicine</i> , 2019, 39, 59-68.	2.7	42
3330	Healthy aging: A bibliometric analysis of the literature. <i>Experimental Gerontology</i> , 2019, 116, 93-105.	1.2	15
3331	Turning back time with emerging rejuvenation strategies. <i>Nature Cell Biology</i> , 2019, 21, 32-43.	4.6	120
3332	<i>Lactobacillus</i> Strains Alleviated Aging Symptoms and Aging-Induced Metabolic Disorders in Aged Rats. <i>Journal of Medicinal Food</i> , 2019, 22, 1-13.	0.8	34
3333	Identifying Potential Ageing-Modulating Drugs In Silico. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 118-131.	3.1	15

#	ARTICLE	IF	CITATIONS
3334	Harnessing cellular aging in human stem cell models of amyotrophic lateral sclerosis. <i>Aging Cell</i> , 2019, 18, e12862.	3.0	23
3335	Pan-senescence transcriptome analysis identified RRAD as a marker and negative regulator of cellular senescence. <i>Free Radical Biology and Medicine</i> , 2019, 130, 267-277.	1.3	19
3336	Low proteasomal activity in fast skeletal muscle fibers is not associated with increased age-related oxidative damage. <i>Experimental Gerontology</i> , 2019, 117, 45-52.	1.2	6
3337	Aging leads to dysfunctional innate immune responses to TLR2 and TLR4 agonists. <i>Aging Clinical and Experimental Research</i> , 2019, 31, 1185-1193.	1.4	32
3338	A Novel Quantitative Method for the Detection of Lipofuscin, the Main By-Product of Cellular Senescence, in Fluids. <i>Methods in Molecular Biology</i> , 2019, 1896, 119-138.	0.4	11
3339	Differential effects of endurance, interval, and resistance training on telomerase activity and telomere length in a randomized, controlled study. <i>European Heart Journal</i> , 2019, 40, 34-46.	1.0	135
3340	FOXO Transcription Factors. <i>Methods in Molecular Biology</i> , 2019, , .	0.4	1
3341	Cause or casualty: The role of mitochondrial DNA in aging and age-associated disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 285-297.	1.8	66
3342	NAD ⁺ Metabolism in Aging and Cancer. <i>Annual Review of Cancer Biology</i> , 2019, 3, 105-130.	2.3	48
3343	Hydra as Model to Determine the Role of FOXO in Longevity. <i>Methods in Molecular Biology</i> , 2019, 1890, 231-238.	0.4	2
3345	Autophagy and aging: Maintaining the proteome through exercise and caloric restriction. <i>Aging Cell</i> , 2019, 18, e12876.	3.0	157
3346	Effects of Physical Activity Program on cognitive function and sleep quality in elderly with mild cognitive impairment: A randomized controlled trial. <i>Perspectives in Psychiatric Care</i> , 2019, 55, 401-408.	0.9	47
3347	Does Seipin Play a Role in Oxidative Stress Protection and Peroxisome Biogenesis? New Insights from Human Brain Autopsies. <i>Neuroscience</i> , 2019, 396, 119-137.	1.1	9
3348	The potential nutrigenoprotective role of Mediterranean diet and its functional components on telomere length dynamics. <i>Ageing Research Reviews</i> , 2019, 49, 1-10.	5.0	60
3349	The relationships and interactions between age, exercise and physiological function. <i>Journal of Physiology</i> , 2019, 597, 1299-1309.	1.3	38
3350	Cellular Senescence. <i>Methods in Molecular Biology</i> , 2019, , .	0.4	3
3351	Cognitive performance in survivors of breast cancer and markers of biological aging. <i>Cancer</i> , 2019, 125, 298-306.	2.0	39
3352	Enhanced inter-compartmental Ca ²⁺ flux modulates mitochondrial metabolism and apoptotic threshold during aging. <i>Redox Biology</i> , 2019, 20, 458-466.	3.9	50

#	ARTICLE	IF	CITATIONS
3353	Mitochondria as central regulators of neural stem cell fate and cognitive function. <i>Nature Reviews Neuroscience</i> , 2019, 20, 34-48.	4.9	246
3354	LncRNAs regulating stemness in aging. <i>Aging Cell</i> , 2019, 18, e12870.	3.0	27
3355	Arsenic enhances cell death and <scp>DNA</scp> damage induced by ultraviolet B exposure in mouse epidermal cells through the production of reactive oxygen species. <i>Clinical and Experimental Dermatology</i> , 2019, 44, 512-519.	0.6	12
3356	TMTâ€Based Quantitative Proteomic Analysis Reveals Proteomic Changes Involved in Longevity. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800024.	0.8	23
3357	Fisetin, a potential caloric restriction mimetic, attenuates senescence biomarkers in rat erythrocytes. <i>Biochemistry and Cell Biology</i> , 2019, 97, 480-487.	0.9	18
3358	Differential peroxiredoxin hyperoxidation regulates MAP kinase signaling in human articular chondrocytes. <i>Free Radical Biology and Medicine</i> , 2019, 134, 139-152.	1.3	18
3359	Redox regulation by NRF2 in aging and disease. <i>Free Radical Biology and Medicine</i> , 2019, 134, 702-707.	1.3	280
3360	FOXO3-Engineered Human ESC-Derived Vascular Cells Promote Vascular Protection and Regeneration. <i>Cell Stem Cell</i> , 2019, 24, 447-461.e8.	5.2	78
3361	Crosstalk between metabolism and circadian clocks. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 227-241.	16.1	375
3362	Cellular Senescence: Aging, Cancer, and Injury. <i>Physiological Reviews</i> , 2019, 99, 1047-1078.	13.1	641
3363	Postoperative cognitive dysfunction in the aged: the collision of neuroinflammaging with perioperative neuroinflammation. <i>Inflammopharmacology</i> , 2019, 27, 27-37.	1.9	76
3364	Reactive oxygen speciesâ€induced changes in glucose and lipid metabolism contribute to the accumulation of cholesterol in the liver during aging. <i>Aging Cell</i> , 2019, 18, e12895.	3.0	86
3365	Methods to Determine the Role of Autophagy Proteins in <i>C. elegans</i> Aging. <i>Methods in Molecular Biology</i> , 2019, 1880, 561-586.	0.4	1
3366	Mitophagy Dynamics in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2019, 1880, 655-668.	0.4	3
3367	Therapeutic effects of curcumin on age-induced alterations in daily rhythms of clock genes and Sirt1 expression in the SCN of male Wistar rats. <i>Biogerontology</i> , 2019, 20, 405-419.	2.0	12
3368	Metabolic Alterations in Aging Macrophages: Ingredients for Inflammaging?. <i>Trends in Immunology</i> , 2019, 40, 113-127.	2.9	125
3369	Bakuchiol: A newly discovered warrior against organ damage. <i>Pharmacological Research</i> , 2019, 141, 208-213.	3.1	33
3370	Brain organoids: a next step for humanized Alzheimerâ€™s disease models?. <i>Molecular Psychiatry</i> , 2019, 24, 474-478.	4.1	50

#	ARTICLE	IF	CITATIONS
3371	Lifelong exercise practice and immunosenescence: Master athletes cytokine response to acute exercise. <i>Cytokine</i> , 2019, 115, 1-7.	1.4	26
3372	How to Measure Population Aging? The Answer Is Less than Obvious: A Review. <i>Gerontology</i> , 2019, 65, 136-144.	1.4	41
3373	Health and Aging: Unifying Concepts, Scores, Biomarkers and Pathways. , 2019, 10, 883.		56
3374	Bioactive Compounds as Therapeutic Alternatives. , 2019, , 247-264.		23
3375	Sociodemographic correlates of change in leukocyte telomere length during mid- to late-life: The Multi-Ethnic Study of Atherosclerosis. <i>Psychoneuroendocrinology</i> , 2019, 102, 182-188.	1.3	14
3376	MANF regulates metabolic and immune homeostasis in ageing and protects against liver damage. <i>Nature Metabolism</i> , 2019, 1, 276-290.	5.1	89
3377	Effects of a resistanceâ€”training programme on endoplasmic reticulum unfolded protein response and mitochondrial functions in PBMCs from elderly subjects. <i>European Journal of Sport Science</i> , 2019, 19, 931-940.	1.4	18
3378	Waves of Maturation and Senescence in Micro-structural MRI Markers of Human Cortical Myelination over the Lifespan. <i>Cerebral Cortex</i> , 2019, 29, 1369-1381.	1.6	91
3379	Bioassay for monitoring the anti-aging effect of cord blood treatment. <i>Theranostics</i> , 2019, 9, 1-10.	4.6	5
3380	Cell Senescence in Lupus. <i>Current Rheumatology Reports</i> , 2019, 21, 1.	2.1	13
3381	Mapping of Î³Î³ T cells reveals VÎ²2+ T cells resistance to senescence. <i>EBioMedicine</i> , 2019, 39, 44-58.	2.7	54
3382	Identification of key genes and transcription factors in aging mesenchymal stem cells by DNA microarray data. <i>Gene</i> , 2019, 692, 79-87.	1.0	15
3383	Oxytocin administration prevents cellular aging caused by social isolation. <i>Psychoneuroendocrinology</i> , 2019, 103, 52-60.	1.3	38
3384	Osteoporotic Changes in the Periodontium Impair Alveolar Bone Healing. <i>Journal of Dental Research</i> , 2019, 98, 450-458.	2.5	35
3385	RNA sequencing identifies common pathways between cigarette smoke exposure and replicative senescence in human airway epithelia. <i>BMC Genomics</i> , 2019, 20, 22.	1.2	11
3386	Interplay between Nutrition and Hearing Loss: State of Art. <i>Nutrients</i> , 2019, 11, 35.	1.7	83
3387	Deciphering the metabolic secret of longevity through the analysis of metabolic response to stress on long-lived species. <i>Medical Hypotheses</i> , 2019, 122, 62-67.	0.8	3
3388	Coaching from the sidelines: the nuclear periphery in genome regulation. <i>Nature Reviews Genetics</i> , 2019, 20, 39-50.	7.7	147

#	ARTICLE	IF	CITATIONS
3389	Metabolic Stressâ€™ Signaling and Metabolic Adaptation. , 2019, , 139-148.		2
3390	Hydroxytyrosol from olive fruits prevents blueâ€™lightâ€™induced damage in human keratinocytes and fibroblasts. <i>Journal of Cellular Physiology</i> , 2019, 234, 9065-9076.	2.0	50
3391	Extensive growth is followed by neurodegenerative pathology in the continuously expanding adult zebrafish retina. <i>Biogerontology</i> , 2019, 20, 109-125.	2.0	17
3392	Alcohol consumption and S-Klotho plasma levels in sedentary healthy middle-aged adults: A cross sectional study. <i>Drug and Alcohol Dependence</i> , 2019, 194, 107-111.	1.6	20
3393	Do later-born birth cohorts of septuagenarians sleep better? A prospective population-based study of two birth cohorts of 70-year-olds. <i>Sleep</i> , 2019, 42, .	0.6	6
3394	STING SNP R293Q Is Associated with a Decreased Risk of Aging-Related Diseases. <i>Gerontology</i> , 2019, 65, 145-154.	1.4	32
3395	Hypothalamic Inflammation at a Crossroad of Somatic Diseases. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 11-29.	1.7	13
3396	Fibronectin on the Surface of Extracellular Vesicles Mediates Fibroblast Invasion. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 279-288.	1.4	68
3397	Predictive factors and prognostic effect of telomere shortening in pulmonary fibrosis. <i>Respirology</i> , 2019, 24, 146-153.	1.3	35
3398	Therapeutic potential of melatonin related to its role as an autophagy regulator: A review. <i>Journal of Pineal Research</i> , 2019, 66, e12534.	3.4	124
3399	Footprints of unconventional mitochondrial inheritance in bivalve phylogeny: Signatures of positive selection on clades with doubly uniparental inheritance. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2019, 57, 258-271.	0.6	18
3400	Conclusion: Realising Active Ageing. , 2019, , 309-328.		0
3401	Marmosets in Aging Research. , 2019, , 355-376.		11
3402	Chronic stress exposure and daily stress appraisals relate to biological aging marker p16INK4a. <i>Psychoneuroendocrinology</i> , 2019, 102, 139-148.	1.3	39
3403	Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. <i>Aging Cell</i> , 2019, 18, e12845.	3.0	53
3404	Digital Medicine. <i>Computers in Health Care</i> , 2019, , .	0.2	2
3405	Mechanisms for the Resolution of Organ Fibrosis. <i>Physiology</i> , 2019, 34, 43-55.	1.6	78
3406	Intracellular Heat Shock Protein 70 Deficiency in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 629-636.	1.4	26

#	ARTICLE	IF	CITATIONS
3407	Mathematical model to study the aging of the human follicle according to the telomerase activity. <i>Journal of Theoretical Biology</i> , 2019, 462, 446-454.	0.8	5
3408	Giant tortoise genomes provide insights into longevity and age-related disease. <i>Nature Ecology and Evolution</i> , 2019, 3, 87-95.	3.4	79
3409	Induction of a senescent like phenotype and loss of gap junctional intercellular communication by carbon nanoparticle exposure of lung epithelial cells. <i>Experimental Gerontology</i> , 2019, 117, 106-112.	1.2	7
3410	Epigenomic drivers of immune dysfunction in aging. <i>Aging Cell</i> , 2019, 18, e12878.	3.0	60
3411	As time flies by: Investigating cardiac aging in the short-lived <i>Drosophila</i> model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1831-1844.	1.8	18
3412	Reduced TIPE2 expression is inversely associated with proinflammatory cytokines and positively correlated with bone mineral density in patients with osteoporosis. <i>Life Sciences</i> , 2019, 216, 227-232.	2.0	5
3413	Circular RNA involvement in aging: An emerging player with great potential. <i>Mechanisms of Ageing and Development</i> , 2019, 178, 16-24.	2.2	105
3414	A review of inflammatory mechanism in airway diseases. <i>Inflammation Research</i> , 2019, 68, 59-74.	1.6	161
3415	Embryonic Stem Cellâ€‘Derived mmu-miR-291a-3p Inhibits Cellular Senescence in Human Dermal Fibroblasts Through the TGF- β 2 Receptor 2 Pathway. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1359-1367.	1.7	51
3416	Toward understanding genomic instability, mitochondrial dysfunction and aging. <i>FEBS Journal</i> , 2019, 286, 1058-1073.	2.2	52
3417	The effect of age, sex and strains on the performance and outcome in animal models of stroke. <i>Neurochemistry International</i> , 2019, 127, 2-11.	1.9	25
3418	PRKN-regulated mitophagy and cellular senescence during COPD pathogenesis. <i>Autophagy</i> , 2019, 15, 510-526.	4.3	116
3419	Ethnic disparities in relationships of obesity indices with telomere length in Asians with type 2 diabetes. <i>Journal of Diabetes</i> , 2019, 11, 386-393.	0.8	13
3420	Early Manifestations of Brain Aging in Mice Due to Low Dietary Folate and Mild MTHFR Deficiency. <i>Molecular Neurobiology</i> , 2019, 56, 4175-4191.	1.9	15
3421	Iron and iron-dependent reactive oxygen species in the regulation of macrophages and fibroblasts in non-healing chronic wounds. <i>Free Radical Biology and Medicine</i> , 2019, 133, 262-275.	1.3	47
3422	Roles of long noncoding RNAs in aging and aging complications. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1763-1771.	1.8	24
3423	Modelling physical resilience in ageing mice. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 91-102.	2.2	13
3424	Cellular calcium signaling in the aging brain. <i>Journal of Chemical Neuroanatomy</i> , 2019, 95, 95-114.	1.0	40

#	ARTICLE	IF	CITATIONS
3425	Role of Nicotinamide Adenine Dinucleotide and Related Precursors as Therapeutic Targets for Age-Related Degenerative Diseases: Rationale, Biochemistry, Pharmacokinetics, and Outcomes. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 251-294.	2.5	147
3426	Protein aggregates and proteostasis in aging: Amylin and β -cell function. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 46-54.	2.2	48
3427	Age-related evolutions of the dermis: Clinical signs, fibroblast and extracellular matrix dynamics. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 150-156.	2.2	101
3428	SOX2 expression diminishes with ageing in several tissues in mice and humans. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 30-36.	2.2	25
3429	Electrophysiological Measures of Aging Pharynx Function in <i>C. elegans</i> Reveal Enhanced Organ Functionality in Older, Long-lived Mutants. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1173-1179.	1.7	11
3430	In situ evidence of cellular senescence in Thymic Epithelial Cells (TECs) during human thymic involution. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 88-90.	2.2	28
3431	Association of 10-Year C-Reactive Protein Trajectories With Markers of Healthy Aging: Findings From the English Longitudinal Study of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 195-203.	1.7	60
3432	Scarless wound healing: From development to senescence. <i>Advanced Drug Delivery Reviews</i> , 2019, 146, 325-343.	6.6	59
3433	A genome wide association study identifies new genes potentially associated with eyelid sagging. <i>Experimental Dermatology</i> , 2019, 28, 892-898.	1.4	9
3434	DNA damage and tissue repair: What we can learn from planaria. <i>Seminars in Cell and Developmental Biology</i> , 2019, 87, 145-159.	2.3	22
3435	Vitamin K status and inflammation are associated with cognition in older Irish adults. <i>Nutritional Neuroscience</i> , 2020, 23, 591-599.	1.5	30
3436	Proteomic analyses reveal that ginsenoside Rg3(S) partially reverses cellular senescence in human dermal fibroblasts by inducing peroxiredoxin. <i>Journal of Ginseng Research</i> , 2020, 44, 50-57.	3.0	7
3437	Telomeres Increasingly Develop Aberrant Structures in Aging Humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 230-235.	1.7	10
3438	Sex hormone replacement therapy in periodontology—A systematic review. <i>Oral Diseases</i> , 2020, 26, 270-284.	1.5	8
3439	A pro longevity role for cellular senescence. <i>GeroScience</i> , 2020, 42, 867-879.	2.1	18
3440	Experiencing community and domestic violence is associated with epigenetic changes in DNA methylation of <i>BDNF</i> and <i>CLPX1</i> in adolescents. <i>Psychophysiology</i> , 2020, 57, e13382.	1.2	21
3441	Short-term Calorie Restriction and 17 β -Estradiol Administration Elicit Divergent Effects on Proteostatic Processes and Protein Content in Metabolically Active Tissues. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 849-857.	1.7	28
3442	Antiaging Therapies, Cognitive Impairment, and Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1643-1652.	1.7	14

#	ARTICLE	IF	CITATIONS
3443	Loss of hnRNP A1 in murine skeletal muscle exacerbates high-fat diet-induced onset of insulin resistance and hepatic steatosis. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 277-290.	1.5	9
3444	Role of Senescence and Neuroprotective Effects of Telomerase in Neurodegenerative Diseases. <i>Rejuvenation Research</i> , 2020, 23, 150-158.	0.9	8
3445	Nucleusâ€“cytoplasm crossâ€“talk in the aging brain. <i>Journal of Neuroscience Research</i> , 2020, 98, 247-261.	1.3	3
3446	A Systematic Review and Meta-analysis of Environmental, Lifestyle, and Health Factors Associated With DNA Methylation Age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 481-494.	1.7	92
3447	Spermine and gene methylation: a mechanism of lifespan extension induced by polyamine-rich diet. <i>Amino Acids</i> , 2020, 52, 213-224.	1.2	23
3448	Mechanistic target of rapamycin signaling in mouse models of accelerated aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 64-72.	1.7	9
3449	Organizational Innovation for Developing New Medicines That Target Aging and Age-Related Conditions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 87-88.	1.7	1
3450	How cancer therapeutics cause accelerated aging: Insights from the hallmarks of aging. <i>Journal of Geriatric Oncology</i> , 2020, 11, 191-193.	0.5	16
3451	Lipidome alterations in human prefrontal cortex during development, aging, and cognitive disorders. <i>Molecular Psychiatry</i> , 2020, 25, 2952-2969.	4.1	66
3452	Functional ageing in fibrotic interstitial lung disease: the impact of frailty on adverse health outcomes. <i>European Respiratory Journal</i> , 2020, 55, 1900647.	3.1	28
3453	Cell organelles and yeast longevity: an intertwined regulation. <i>Current Genetics</i> , 2020, 66, 15-41.	0.8	10
3454	Association of inflammatory markers with hearing impairment: The English Longitudinal Study of Ageing. <i>Brain, Behavior, and Immunity</i> , 2020, 83, 112-119.	2.0	21
3455	Fabry Disease: A New Model of Premature Ageing?. <i>Nephron</i> , 2020, 144, 1-4.	0.9	4
3456	Elastic titin properties and protein quality control in the aging heart. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118532.	1.9	12
3457	Oxidative stress and exceptional human longevity: Systematic review. <i>Free Radical Biology and Medicine</i> , 2020, 149, 51-63.	1.3	49
3458	Determining histone H4 acetylation patterns in human peripheral blood mononuclear cells using mass spectrometry. <i>Clinical Mass Spectrometry</i> , 2020, 15, 54-60.	1.9	3
3459	Aging and bone. , 2020, , 275-292.		2
3460	Ageâ€“related neurodegenerative diseases. <i>Journal of Cellular Physiology</i> , 2020, 235, 3131-3141.	2.0	19

#	ARTICLE	IF	CITATIONS
3461	Evaluation of transcriptional levels of the natriuretic peptides, endothelin-1, adrenomedullin, their receptors and long non-coding RNAs in rat cardiac tissue as cardiovascular biomarkers of aging. <i>Peptides</i> , 2020, 123, 170173.	1.2	7
3462	Nutrition and longevity – From mechanisms to uncertainties. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 3063-3082.	5.4	42
3463	Neuronal Mechanisms that Drive Organismal Aging Through the Lens of Perception. <i>Annual Review of Physiology</i> , 2020, 82, 227-249.	5.6	11
3464	AMPK-mediated senolytic and senostatic activity of quercetin surface functionalized Fe ₃ O ₄ nanoparticles during oxidant-induced senescence in human fibroblasts. <i>Redox Biology</i> , 2020, 28, 101337.	3.9	67
3465	Emerging role of mitophagy in cardiovascular physiology and pathology. <i>Molecular Aspects of Medicine</i> , 2020, 71, 100822.	2.7	114
3466	The Prospective Association of Social Integration With Life Span and Exceptional Longevity in Women. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 2132-2141.	2.4	14
3467	Testing Proposed Quantifications of Biological Aging in Taiwanese Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1680-1685.	1.7	11
3468	Know your enemy: Genetics, aging, exposomic and inflammation in the war against triple negative breast cancer. <i>Seminars in Cancer Biology</i> , 2020, 60, 285-293.	4.3	16
3469	Lipid Hydrolase Enzymes: Pragmatic Prolongevity Targets for Improved Human Healthspan?. <i>Rejuvenation Research</i> , 2020, 23, 107-121.	0.9	3
3470	The Evaluation of TUNEL, PCNA and SOX2 Expressions in Lens Epithelial Cells of Cataract Patients with Pseudoexfoliation Syndrome. <i>Current Eye Research</i> , 2020, 45, 12-16.	0.7	7
3471	Trajectories of Aging: How Systems Biology in Yeast Can Illuminate Mechanisms of Personalized Aging. <i>Proteomics</i> , 2020, 20, 1800420.	1.3	4
3472	11 β -HSD1 Inhibition Rescues SAMP8 Cognitive Impairment Induced by Metabolic Stress. <i>Molecular Neurobiology</i> , 2020, 57, 551-565.	1.9	12
3473	Dietary restriction and insulin-like signalling pathways as adaptive plasticity: A synthesis and re-evaluation. <i>Functional Ecology</i> , 2020, 34, 107-128.	1.7	69
3474	Age-associated changes in the response of tendon explants to stress deprivation is sex-dependent. <i>Connective Tissue Research</i> , 2020, 61, 48-62.	1.1	9
3475	The E3 ubiquitin ligase CHIP in normal cell function and in disease conditions. <i>Annals of the New York Academy of Sciences</i> , 2020, 1460, 3-10.	1.8	29
3476	Pubertal development mediates the association between family environment and brain structure and function in childhood. <i>Development and Psychopathology</i> , 2020, 32, 687-702.	1.4	28
3477	How Could We Slow or Reverse the Human Aging Process and Extend the Healthy Life Span with Heterochronous Autologous Hematopoietic Stem Cell Transplantation. <i>Rejuvenation Research</i> , 2020, 23, 159-170.	0.9	3
3478	Adherence to the Mediterranean diet and healthy ageing: Current evidence, biological pathways, and future directions. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 2148-2157.	5.4	28

#	ARTICLE	IF	CITATIONS
3479	Cancer in the Elderly. , 2020, , 874-881.e3.		1
3480	Evaluation of Serum Glucagon-Like Peptide 1 and Vitamin D Levels in Elderly Patients with Bone Fractures. Medical Principles and Practice, 2020, 29, 219-224.	1.1	3
3481	DNA damage in aging, the stem cell perspective. Human Genetics, 2020, 139, 309-331.	1.8	29
3482	Envisioning Arti's â€œCadillac studyâ€™ to assess aging trajectories in cancer survivors. Journal of Geriatric Oncology, 2020, 11, 175-178.	0.5	2
3483	Mediterranean diet and health status: Active ingredients and pharmacological mechanisms. British Journal of Pharmacology, 2020, 177, 1241-1257.	2.7	163
3484	Ecoâ€™evolutionary perspectives of the dynamic relationships linking senescence and cancer. Functional Ecology, 2020, 34, 141-152.	1.7	14
3485	The role of senescence in cancer development. Seminars in Cancer Biology, 2020, 62, 182-191.	4.3	52
3486	Pharmacological basis and new insights of resveratrol action in the cardiovascular system. British Journal of Pharmacology, 2020, 177, 1258-1277.	2.7	93
3487	Reducing INS-IGF1 signaling protects against non-cell autonomous vesicle rupture caused by SNCA spreading. Autophagy, 2020, 16, 878-899.	4.3	22
3488	Moonshots for aging. Nutrition and Healthy Aging, 2020, 5, 239-246.	0.5	1
3489	Mitophagy and Neuroprotection. Trends in Molecular Medicine, 2020, 26, 8-20.	3.5	246
3490	DNA Methylation in Epidermal Differentiation, Aging, and Cancer. Journal of Investigative Dermatology, 2020, 140, 38-47.	0.3	54
3491	Unfolded protein responseâ€™mediated modulation of mesenchymal stem cells. IUBMB Life, 2020, 72, 187-197.	1.5	9
3492	Tissue repair brakes: A common paradigm in the biology of regeneration. Stem Cells, 2020, 38, 330-339.	1.4	8
3493	Idiopathic interstitial pneumonias. , 2020, , 29-140.		1
3494	Impact of Nutrition on Telomere Health: Systematic Review of Observational Cohort Studies and Randomized Clinical Trials. Advances in Nutrition, 2020, 11, 576-601.	2.9	51
3495	Spatiotemporal changes in the human lens proteome: Critical insights into long-lived proteins. Progress in Retinal and Eye Research, 2020, 76, 100802.	7.3	30
3496	Circulating blood cells influence the fibrinolytic capacity of clots generated in the presence of detergent sclerosants. Phlebology, 2020, 35, 273-280.	0.6	0

#	ARTICLE	IF	CITATIONS
3497	Widespread sex dimorphism in aging and age-related diseases. <i>Human Genetics</i> , 2020, 139, 333-356.	1.8	76
3498	Emerging evidence for crosstalk between Nrf2 and mitochondria in physiological homeostasis and in heart disease. <i>Archives of Pharmacal Research</i> , 2020, 43, 286-296.	2.7	34
3499	Should we invest in biological age predictors to treat colorectal cancer in older adults?. <i>European Journal of Surgical Oncology</i> , 2020, 46, 316-320.	0.5	16
3500	Therapeutic strategy for atherosclerosis based on bone-vascular axis hypothesis. , 2020, 206, 107436.		17
3501	The transfer of specific mitochondrial lipids and proteins to lipid droplets contributes to proteostasis upon stress and aging in the eukaryotic model system <i>Saccharomyces cerevisiae</i> . <i>GeroScience</i> , 2020, 42, 19-38.	2.1	17
3502	Emerging role of stem cell-derived extracellular microRNAs in age-associated human diseases and in different therapies of longevity. <i>Ageing Research Reviews</i> , 2020, 57, 100979.	5.0	41
3503	The genetics of human ageing. <i>Nature Reviews Genetics</i> , 2020, 21, 88-101.	7.7	203
3504	Identifying Morphological Indicators of Aging With Neural Networks on Large-Scale Whole-Body MRI. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1430-1437.	5.4	16
3505	Human ageing as a dynamic, emergent and malleable process: from disease-oriented to health-oriented approaches. <i>Biogerontology</i> , 2020, 21, 125-130.	2.0	19
3506	Bilateral multiple oncocytic cysts of the parotid gland in type 2 diabetes patients. <i>Histopathology</i> , 2020, 76, 613-624.	1.6	0
3507	Bmi1 counteracts hematopoietic stem cell aging by repressing target genes and enforcing the stem cell gene signature. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 612-619.	1.0	14
3508	Biomarkers in the path from cellular senescence to frailty. <i>Experimental Gerontology</i> , 2020, 129, 110750.	1.2	27
3509	Nicotinamide riboside does not alter mitochondrial respiration, content or morphology in skeletal muscle from obese and insulin-resistant men. <i>Journal of Physiology</i> , 2020, 598, 731-754.	1.3	97
3510	Caloric restriction maintains stem cells through niche and regulates stem cell aging. <i>Journal of Molecular Medicine</i> , 2020, 98, 25-37.	1.7	19
3511	Are trade-offs really the key drivers of ageing and life span?. <i>Functional Ecology</i> , 2020, 34, 153-166.	1.7	48
3512	The untapped potential of reptile biodiversity for understanding how and why animals age. <i>Functional Ecology</i> , 2020, 34, 38-54.	1.7	44
3513	The importance of the nitric oxide-cGMP pathway in age-related cardiovascular disease: Focus on phosphodiesterase-1 and soluble guanylate cyclase. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020, 127, 67-80.	1.2	34
3514	Regulation of inflammation as an anti-aging intervention. <i>FEBS Journal</i> , 2020, 287, 43-52.	2.2	62

#	ARTICLE	IF	CITATIONS
3515	Genes acting in longevity-related pathways in the endoparasitoid, <i>Pteromalus puparum</i> . Archives of Insect Biochemistry and Physiology, 2020, 103, e21635.	0.6	4
3516	The potential role of senescence in limiting fibrosis caused by aging. Journal of Cellular Physiology, 2020, 235, 4046-4059.	2.0	13
3517	Molecular alterations contributing to brain aging. Journal of Neuroscience Research, 2020, 98, 231-233.	1.3	0
3518	Effect of two-step bainite treatment on the morphology and texture of retained austenite and mechanical properties of austenitizing pretreated transformation-induced plasticity steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 771, 138567.	2.6	11
3519	Normal Aging and Its Role in Cancer Metastasis. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a037341.	2.9	17
3520	Autophagy is required for performance adaptive response to resistance training and exercise-induced adult neurogenesis. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 238-253.	1.3	15
3521	Beta-carotene, telomerase activity and Alzheimer's disease in old age subjects. European Journal of Nutrition, 2020, 59, 119-126.	1.8	34
3522	Metabolomic profiles associated with all-cause mortality in the Women's Health Initiative. International Journal of Epidemiology, 2020, 49, 289-300.	0.9	20
3523	Granulosa-Lutein Cell Sirtuin Gene Expression Profiles Differ between Normal Donors and Infertile Women. International Journal of Molecular Sciences, 2020, 21, 295.	1.8	16
3524	Ileal Transposition Increases Pancreatic β^2 Cell Mass and Decreases β^2 Cell Senescence in Diet-Induced Obese Rats. Obesity Surgery, 2020, 30, 1849-1858.	1.1	7
3525	Modest Declines in Proteome Quality Impair Hematopoietic Stem Cell Self-Renewal. Cell Reports, 2020, 30, 69-80.e6.	2.9	72
3526	Cellular and Molecular Biomarkers Indicate Premature Aging in Pseudoxanthoma Elasticum Patients. , 2020, 11, 536.		12
3527	Negligible senescence in naked mole rats may be a consequence of well-maintained splicing regulation. GeroScience, 2020, 42, 633-651.	2.1	34
3528	Somatic selection of poorly differentiating variant stem cell clones could be a key to human ageing. Journal of Theoretical Biology, 2020, 489, 110153.	0.8	5
3529	Autophagy and NLRP3 inflammasome crosstalk in neuroinflammation in aged bovine brains. Journal of Cellular Physiology, 2020, 235, 5394-5403.	2.0	19
3530	Loss of chromatin structural integrity is a source of stress during aging. Human Genetics, 2020, 139, 371-380.	1.8	5
3531	The Dual Role of ROS in Hematological Malignancies: Stem Cell Protection and Cancer Cell Metastasis. Stem Cell Reviews and Reports, 2020, 16, 262-275.	1.7	36
3532	Age-related macular degeneration: A two-level model hypothesis. Progress in Retinal and Eye Research, 2020, 76, 100825.	7.3	108

#	ARTICLE	IF	CITATIONS
3533	Aging and the Biological Response to Liver Injury. <i>Seminars in Liver Disease</i> , 2020, 40, 225-232.	1.8	13
3534	Maximum reproductive lifespan correlates with CD33rSIGLEC gene number: Implications for NADPH oxidaseâ€derived reactive oxygen species in aging. <i>FASEB Journal</i> , 2020, 34, 1928-1938.	0.2	11
3535	Resolvin D1 promotes efferocytosis in aging by limiting senescent cellâ€induced MerTK cleavage. <i>FASEB Journal</i> , 2020, 34, 597-609.	0.2	59
3537	Resveralogues: From Novel Ageing Mechanisms to New Therapies?. <i>Gerontology</i> , 2020, 66, 231-237.	1.4	3
3538	Immune cell extracellular vesicles and their mitochondrial content decline with ageing. <i>Immunity and Ageing</i> , 2020, 17, 1.	1.8	64
3539	Kynurenine suppresses osteoblastic cell energetics in vitro and osteoblast numbers in vivo. <i>Experimental Gerontology</i> , 2020, 130, 110818.	1.2	17
3540	Molecular Connections Between Circadian Clocks and Aging. <i>Journal of Molecular Biology</i> , 2020, 432, 3661-3679.	2.0	52
3541	A high throughput drug screening paradigm using transgenic <i>Caenorhabditis elegans</i> model of Alzheimerâ€™s disease. <i>Translational Medicine of Aging</i> , 2020, 4, 11-21.	0.6	6
3542	Discovery of a Small Molecule Probe of Rpn-6, an Essential Subunit of the 26S Proteasome. <i>ACS Chemical Biology</i> , 2020, 15, 554-561.	1.6	11
3543	Understanding muscle regenerative decline with aging: new approaches to bring back youthfulness to aged stem cells. <i>FEBS Journal</i> , 2020, 287, 406-416.	2.2	58
3544	Frailty and Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, , .	0.8	9
3545	Computerâ€aided drug design of small molecule inhibitors of the ERCC1â€XPF proteinâ€protein interaction. <i>Chemical Biology and Drug Design</i> , 2020, 95, 460-471.	1.5	15
3546	Amelioration of ageâ€related brain function decline by Bruton's tyrosine kinase inhibition. <i>Aging Cell</i> , 2020, 19, e13079.	3.0	12
3547	Ageing, age-related diseases and oxidative stress: What to do next?. <i>Ageing Research Reviews</i> , 2020, 57, 100982.	5.0	321
3548	Differential DNA methylation in experienced meditators after an intensive day of mindfulness-based practice: Implications for immune-related pathways. <i>Brain, Behavior, and Immunity</i> , 2020, 84, 36-44.	2.0	44
3549	Accelerating the Search for Interventions Aimed at Expanding the Health Span in Humans: The Role of Epidemiology. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 77-86.	1.7	7
3550	Proteomics of Longâ€Lived Mammals. <i>Proteomics</i> , 2020, 20, 1800416.	1.3	8
3551	The intersection of exercise and aging on mitochondrial protein quality control. <i>Experimental Gerontology</i> , 2020, 131, 110824.	1.2	28

#	ARTICLE	IF	CITATIONS
3552	Hypotaurine promotes longevity and stress tolerance via the stress response factors DAF-16/FOXO and SKN-1/NRF2 in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2020, 11, 347-357.	2.1	26
3553	Psychosocial Stressors and Telomere Length: A Current Review of the Science. <i>Annual Review of Public Health</i> , 2020, 41, 223-245.	7.6	80
3554	Yogurt and <i>Streptococcus thermophilus</i> metabolites ameliorated telomere attrition in D-galactose-induced ageing mice and BHP-challenged HepG2 cells. <i>International Journal of Food Science and Technology</i> , 2020, 55, 2509-2516.	1.3	3
3555	Protective effects of ginsenoside Rg1 on neuronal senescence due to inhibition of NOX2 and NLRP1 inflammasome activation in SAMP8 mice. <i>Journal of Functional Foods</i> , 2020, 65, 103713.	1.6	7
3556	Acute Myeloid Leukemia: Aging and Epigenetics. <i>Cancers</i> , 2020, 12, 103.	1.7	46
3557	DNA Methylation Analysis Validates Organoids as a Viable Model for Studying Human Intestinal Aging. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 527-541.	2.3	53
3558	Endothelium-mediated contributions to fibrosis. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 78-86.	2.3	50
3559	Plasma levels of miR-30d-5p are decreased in regularly exercising postmenopausal women. <i>Menopause</i> , 2020, 27, 319-325.	0.8	6
3560	Measuring biological aging in humans: A quest. <i>Aging Cell</i> , 2020, 19, e13080.	3.0	364
3561	How the ageing microenvironment influences tumour progression. <i>Nature Reviews Cancer</i> , 2020, 20, 89-106.	12.8	408
3562	Stress and ageing in yeast. <i>FEMS Yeast Research</i> , 2020, 20, .	1.1	19
3563	High-dimensionality Data Analysis of Pharmacological Systems Associated with Complex Diseases. <i>Pharmacological Reviews</i> , 2020, 72, 191-217.	7.1	17
3564	circRNAs expressed in human peripheral blood are associated with human aging phenotypes, cellular senescence and mouse lifespan. <i>GeroScience</i> , 2020, 42, 183-199.	2.1	40
3565	Candesartan Neuroprotection in Rat Primary Neurons Negatively Correlates with Aging and Senescence: a Transcriptomic Analysis. <i>Molecular Neurobiology</i> , 2020, 57, 1656-1673.	1.9	9
3566	Emerging Role of C/EBP β and Epigenetic DNA Methylation in Ageing. <i>Trends in Genetics</i> , 2020, 36, 71-80.	2.9	28
3567	A novel long noncoding RNA Linc-ASEN represses cellular senescence through multileveled reduction of p21 expression. <i>Cell Death and Differentiation</i> , 2020, 27, 1844-1861.	5.0	23
3568	The curious case of polyamines: spermidine drives reversal of B cell senescence. <i>Autophagy</i> , 2020, 16, 389-390.	4.3	5
3569	Rationally-based therapeutic disease modification in systemic sclerosis: Novel strategies. <i>Seminars in Cell and Developmental Biology</i> , 2020, 101, 146-160.	2.3	20

#	ARTICLE	IF	CITATIONS
3570	Cellular senescence and senescence-associated Tâ€‰%cells as a potential therapeutic target. <i>Geriatrics and Gerontology International</i> , 2020, 20, 97-100.	0.7	20
3571	Decoding the relationship between ageing and amyotrophic lateral sclerosis: a cellular perspective. <i>Brain</i> , 2020, 143, 1057-1072.	3.7	48
3572	Activation of immunosuppressive network in the aging process. <i>Ageing Research Reviews</i> , 2020, 57, 100998.	5.0	91
3573	Age-Related Changes in the Gut Microbiota Modify Brain Lipid Composition. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 444.	1.8	50
3574	Dark-Induced Senescence Causes Localized Changes in DNA Methylation. <i>Plant Physiology</i> , 2020, 182, 949-961.	2.3	11
3575	Shorter Leukocyte Telomere Lengths in Healthy Relatives of Patients with Coronary Heart Disease. <i>Rejuvenation Research</i> , 2020, 23, 324-332.	0.9	9
3576	Cellular senescence and chronological age in various human tissues: A systematic review and metaâ€‰analysis. <i>Ageing Cell</i> , 2020, 19, e13083.	3.0	89
3577	Age-Associated Mitochondrial Dysfunction Accelerates Atherogenesis. <i>Circulation Research</i> , 2020, 126, 298-314.	2.0	118
3578	Older Adults in the Cardiac Intensive Care Unit: Factoring Geriatric Syndromes in the Management, Prognosis, and Process of Care: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2020, 141, e6-e32.	1.6	88
3579	Is anti-ageing drug discovery becoming a reality?. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 135-138.	2.5	14
3580	Evasion of apoptosis by myofibroblasts: a hallmark of fibrotic diseases. <i>Nature Reviews Rheumatology</i> , 2020, 16, 11-31.	3.5	320
3581	Faraway, so close. The comparative method and the potential of non-model animals in mitochondrial research. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190186.	1.8	10
3582	AGS and NIA Benchâ€‰to Bedside Conference Summary: Osteoporosis and Soft Tissue (Muscle and Fat) Disorders. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 31-38.	1.3	13
3583	SOD1 deficiency alters gastrointestinal microbiota and metabolites in mice. <i>Experimental Gerontology</i> , 2020, 130, 110795.	1.2	16
3584	Kynurenine inhibits autophagy and promotes senescence in aged bone marrow mesenchymal stem cells through the aryl hydrocarbon receptor pathway. <i>Experimental Gerontology</i> , 2020, 130, 110805.	1.2	59
3585	Current nutritional and pharmacological anti-aging interventions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165612.	1.8	54
3586	Global metabolic profiling to model biological processes of aging in twins. <i>Ageing Cell</i> , 2020, 19, e13073.	3.0	38
3587	Cell and Gene Therapy for Spine Regeneration. <i>Neurosurgery Clinics of North America</i> , 2020, 31, 131-139.	0.8	8

#	ARTICLE	IF	CITATIONS
3588	Mechanisms of aging and potential role of selected polyphenols in extending healthspan. <i>Biochemical Pharmacology</i> , 2020, 173, 113719.	2.0	69
3589	The leading role of epithelial cells in the pathogenesis of idiopathic pulmonary fibrosis. <i>Cellular Signalling</i> , 2020, 66, 109482.	1.7	140
3590	Nuclear atypia in Pindborg tumor: An unexplored phenomenon of a well recognized entity. <i>Oral Oncology</i> , 2020, 100, 104481.	0.8	3
3591	Osmolyte transporter expression is reduced in photoaged human skin: Implications for skin hydration in aging. <i>Aging Cell</i> , 2020, 19, e13058.	3.0	15
3592	Monitoring plasma protein aggregation during aging using conformation-specific antibodies and FTIR spectroscopy. <i>Clinica Chimica Acta</i> , 2020, 502, 25-33.	0.5	16
3593	Risk of malignancy in patients treated for systemic necrotising vasculitis. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 431-433.	0.5	7
3594	Negative genetic correlation between longevity and its hormetic extension by dietary restriction in <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2020, 21, 191-201.	2.0	5
3595	An integrated fecal microbiome and metabolome in the aged mice reveal anti-aging effects from the intestines and biochemical mechanism of FuFang zhenshu TiaoZhi(FTZ). <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109421.	2.5	42
3596	A dual decomposition strategy of both microbial and phenotypic components for a better understanding of causal claims. <i>Biology and Philosophy</i> , 2020, 35, 1.	0.7	2
3597	Nutrient sensing, the oxidative stress response, and stem cell aging. , 2020, , 427-446.		0
3598	Aging, sex, inflammation, frailty, and CMV and HIV infections. <i>Cellular Immunology</i> , 2020, 348, 104024.	1.4	39
3599	Cell aging and cellular senescence in skin aging – Recent advances in fibroblast and keratinocyte biology. <i>Experimental Gerontology</i> , 2020, 130, 110780.	1.2	81
3600	Role of 7-chloro-4-(phenylselanyl) quinoline as an anti-aging drug fighting oxidative damage in different tissues of aged rats. <i>Experimental Gerontology</i> , 2020, 130, 110804.	1.2	13
3601	Changes in the physicochemical properties of fish cell membranes during cellular senescence. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020, 84, 583-593.	0.6	4
3602	Berberine ameliorates cellular senescence and extends the lifespan of mice via regulating p16 and cyclin protein expression. <i>Aging Cell</i> , 2020, 19, e13060.	3.0	50
3603	Naive extrapolations, overhyped claims and empty promises in ageing research and interventions need avoidance. <i>Biogerontology</i> , 2020, 21, 415-421.	2.0	16
3604	Mitochondrial uncoupling and longevity – A role for mitokines?. <i>Experimental Gerontology</i> , 2020, 130, 110796.	1.2	59
3605	Protective effect of Pedro-Ximenez must against p,p'-DDE-induced liver damages in aged <i>Mus spretus</i> mice. <i>Food and Chemical Toxicology</i> , 2020, 136, 110984.	1.8	2

#	ARTICLE	IF	CITATIONS
3606	Incidence of dementia in the oldest-old and its relationship with age: The Monzino 80+plus population-based study. <i>Alzheimer's and Dementia</i> , 2020, 16, 472-481.	0.4	17
3607	Multi-omics approaches to human biological age estimation. <i>Mechanisms of Ageing and Development</i> , 2020, 185, 111192.	2.2	32
3608	Aging: therapeutics for a healthy future. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 453-458.	2.9	15
3609	Cellular cross-talks in the diseased and aging heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 138, 136-146.	0.9	55
3610	1,25-Dihydroxyvitamin D protects against age-related osteoporosis by a novel VDR-Ezh2-p16 signal axis. <i>Aging Cell</i> , 2020, 19, e13095.	3.0	67
3611	Relationships between blood leukocyte mitochondrial DNA copy number and inflammatory cytokines in knee osteoarthritis. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 42-52.	1.3	10
3612	The Aryl Hydrocarbon Receptor (AhR) in the Aging Process: Another Puzzling Role for This Highly Conserved Transcription Factor. <i>Frontiers in Physiology</i> , 2019, 10, 1561.	1.3	50
3613	Human Molecular Chaperone Hsp60 and Its Apical Domain Suppress Amyloid Fibril Formation of I β -Synuclein. <i>International Journal of Molecular Sciences</i> , 2020, 21, 47.	1.8	17
3614	L-Theanine attenuates liver aging by inhibiting advanced glycation end products in d-galactose-induced rats and reversing an imbalance of oxidative stress and inflammation. <i>Experimental Gerontology</i> , 2020, 131, 110823.	1.2	39
3615	Age-Related Decline in Expression of Molecular Chaperones Induces Endoplasmic Reticulum Stress and Chondrocyte Apoptosis in Articular Cartilage. , 2020, 11, 1091.		28
3616	Ageing, metabolism and the intestine. <i>EMBO Reports</i> , 2020, 21, e50047.	2.0	92
3617	<p>Prevalence and Risk Factors of Chronic Obstructive Pulmonary Disease Among Agriculturists in a Rural Community, Central Thailand<p>. <i>International Journal of COPD</i> , 2020, Volume 15, 2189-2198.	0.9	9
3618	Circulating Mitochondrial-Derived Vesicles, Inflammatory Biomarkers and Amino Acids in Older Adults With Physical Frailty and Sarcopenia: A Preliminary BIOSPHERE Multi-Marker Study Using Sequential and Orthogonalized Covariance Selection â€ Linear Discriminant Analysis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 564417.	1.8	27
3619	Changes in Metabolism and Proteostasis Drive Aging Phenotype in <i>Aplysia californica</i> Sensory Neurons. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 573764.	1.7	8
3620	Hallmarks of oxidative stress in the livers of aged mice with mild glycogen branching enzyme deficiency. <i>Archives of Biochemistry and Biophysics</i> , 2020, 695, 108626.	1.4	6
3621	Transcriptional upregulation of proteasome activator Bln10 antagonizes cellular aging. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 211-218.	1.0	7
3622	Effects of heterochronic, non-myeloablative bone marrow transplantation on age-related behavioural changes in mice. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111327.	2.2	1
3623	Herb-Derived Products: Natural Tools to Delay and Counteract Stem Cell Senescence. <i>Stem Cells International</i> , 2020, 2020, 1-28.	1.2	10

#	ARTICLE	IF	CITATIONS
3624	cGAS/STING: novel perspectives of the classic pathway. <i>Molecular Biomedicine</i> , 2020, 1, 7.	1.7	15
3625	Special Significance of Non-Drosophila Insects in Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 576571.	1.8	8
3626	Mechanisms of Aging and the Preventive Effects of Resveratrol on Age-Related Diseases. <i>Molecules</i> , 2020, 25, 4649.	1.7	81
3627	MYSM1 Suppresses Cellular Senescence and the Aging Process to Prolong Lifespan. <i>Advanced Science</i> , 2020, 7, 2001950.	5.6	8
3628	Redox Post-translational Modifications of Protein Thiols in Brain Aging and Neurodegenerative Conditions—Focus on S-Nitrosation. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 254.	1.7	22
3629	Effects of p-Cresol on Senescence, Survival, Inflammation, and Odontoblast Differentiation in Canine Dental Pulp Stem Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6931.	1.8	4
3630	Fight to the bitter end: DNA repair and aging. <i>Ageing Research Reviews</i> , 2020, 64, 101154.	5.0	32
3631	Single-cell analyses of aging, inflammation and senescence. <i>Ageing Research Reviews</i> , 2020, 64, 101156.	5.0	85
3632	A research agenda for ageing in China in the 21st century (2nd edition): Focusing on basic and translational research, long-term care, policy and social networks. <i>Ageing Research Reviews</i> , 2020, 64, 101174.	5.0	240
3633	What if there's no such thing as "aging"? <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111344.	2.2	27
3634	Potential Applications of Polyhydroxyalkanoates as a Biomaterial for the Aging Population. <i>Polymer Degradation and Stability</i> , 2020, 181, 109371.	2.7	21
3635	Time-dependent replicative senescence vs. disturbed flow-induced pre-mature aging in atherosclerosis. <i>Redox Biology</i> , 2020, 37, 101614.	3.9	41
3637	Cell Senescence, Multiple Organelle Dysfunction and Atherosclerosis. <i>Cells</i> , 2020, 9, 2146.	1.8	42
3638	The geroscience agenda: Toxic stress, hormetic stress, and the rate of aging. <i>Ageing Research Reviews</i> , 2020, 63, 101167.	5.0	56
3639	Gut microbiota and old age: Modulating factors and interventions for healthy longevity. <i>Experimental Gerontology</i> , 2020, 141, 111095.	1.2	61
3640	SIRT1 is downregulated by autophagy in senescence and ageing. <i>Nature Cell Biology</i> , 2020, 22, 1170-1179.	4.6	236
3641	Metabolic dysfunction in human skin: Restoration of mitochondrial integrity and metabolic output by nicotinamide (niacinamide) in primary dermal fibroblasts from older aged donors. <i>Aging Cell</i> , 2020, 19, e13248.	3.0	18
3642	Prednisolone suppresses adriamycin-induced vascular smooth muscle cell senescence and inflammatory response via the SIRT1-AMPK signaling pathway. <i>PLoS ONE</i> , 2020, 15, e0239976.	1.1	19

#	ARTICLE	IF	CITATIONS
3643	Cellular Senescence as the Pathogenic Hub of Diabetes-Related Wound Chronicity. <i>Frontiers in Endocrinology</i> , 2020, 11, 573032.	1.5	49
3644	Amitriptyline interferes with autophagy-mediated clearance of protein aggregates via inhibiting autophagosome maturation in neuronal cells. <i>Cell Death and Disease</i> , 2020, 11, 874.	2.7	9
3645	Potential Role for Herpesviruses in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 855-869.	1.2	6
3646	Neuroinflammation underlies emotional disturbances and circadian rhythm disruption in young male senescence-accelerated mouse prone 8 mice. <i>Experimental Gerontology</i> , 2020, 142, 111109.	1.2	7
3647	The Acute Phase Reaction and Its Prognostic Impact in Patients with Head and Neck Squamous Cell Carcinoma: Single Biomarkers Including C-Reactive Protein Versus Biomarker Profiles. <i>Biomedicine</i> , 2020, 8, 418.	1.4	9
3648	Relevance of endoplasmic reticulum and mitochondria interactions in age-associated diseases. <i>Ageing Research Reviews</i> , 2020, 64, 101193.	5.0	14
3649	HSB-1/HSF-1 pathway modulates histone H4 in mitochondria to control mtDNA transcription and longevity. <i>Science Advances</i> , 2020, 6, .	4.7	21
3650	Phenotypic Frailty Assessment in Mice: Development, Discoveries, and Experimental Considerations. <i>Physiology</i> , 2020, 35, 405-414.	1.6	12
3651	The epigenetic implication in coronavirus infection and therapy. <i>Clinical Epigenetics</i> , 2020, 12, 156.	1.8	73
3652	Diet to Reduce the Metabolic Syndrome Associated with Menopause. <i>The Logic for Olive Oil. Nutrients</i> , 2020, 12, 3184.	1.7	9
3653	3-Bromopyruvate elevates ROS and induces hormesis to exert a caloric restriction mimetic effect in young and old rats. <i>Archives of Physiology and Biochemistry</i> , 2020, , 1-8.	1.0	7
3654	METTL3 counteracts premature aging via m6A-dependent stabilization of MIS12 mRNA. <i>Nucleic Acids Research</i> , 2020, 48, 11083-11096.	6.5	99
3655	Rapamycin as a potential repurpose drug candidate for the treatment of COVID-19. <i>Chemico-Biological Interactions</i> , 2020, 331, 109282.	1.7	51
3656	From lifespan to healthspan: the role of nutrition in healthy ageing. <i>Journal of Nutritional Science</i> , 2020, 9, e33.	0.7	39
3657	Cellular senescence: friend or foe to respiratory viral infections?. <i>European Respiratory Journal</i> , 2020, 56, 2002708.	3.1	32
3658	Supplementing Glycine and N-acetylcysteine (GlyNAC) in Aging HIV Patients Improves Oxidative Stress, Mitochondrial Dysfunction, Inflammation, Endothelial Dysfunction, Insulin Resistance, Genotoxicity, Strength, and Cognition: Results of an Open-Label Clinical Trial. <i>Biomedicine</i> , 2020, 8, 390.	1.4	20
3659	Subcellular Localization of Glutathione Peroxidase, Change in Glutathione System during Ageing and Effects on Cardiometabolic Risks and Associated Diseases. , 2020, , .		2
3660	Brain aging and garbage cleaning. <i>Seminars in Immunopathology</i> , 2020, 42, 647-665.	2.8	40

#	ARTICLE	IF	CITATIONS
3661	The Interaction of Aging and Cellular Stress Contributes to Pathogenesis in Mouse and Human Huntington Disease Neurons. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 524369.	1.7	21
3662	Phosphate and Kidney Healthy Aging. <i>Kidney and Blood Pressure Research</i> , 2020, 45, 802-811.	0.9	12
3663	Social hallmarks of aging: Suggestions for geroscience research. <i>Ageing Research Reviews</i> , 2020, 63, 101136.	5.0	43
3664	Age-Related Colonic Mucosal Microbiome Community Shifts in Monkeys. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1906-1914.	1.7	7
3665	Nutrients and Nutraceuticals for Active & Healthy Ageing. , 2020, , .		1
3666	The ageing kidney: Molecular mechanisms and clinical implications. <i>Ageing Research Reviews</i> , 2020, 63, 101151.	5.0	64
3667	Protective response of Sestrin under stressful conditions in aging. <i>Ageing Research Reviews</i> , 2020, 64, 101186.	5.0	13
3668	Targeting metabolic pathways for extension of lifespan and healthspan across multiple species. <i>Ageing Research Reviews</i> , 2020, 64, 101188.	5.0	30
3669	Alteration of genetic recombination and double-strand break repair in human cells by progerin expression. <i>DNA Repair</i> , 2020, 96, 102975.	1.3	11
3670	Hand in hand: intrinsic and extrinsic drivers of aging and clonal hematopoiesis. <i>Experimental Hematology</i> , 2020, 91, 1-9.	0.2	42
3671	Recent advances and possibilities for the use of plant phenolic compounds to manage ageing-related diseases. <i>Journal of Functional Foods</i> , 2020, 75, 104203.	1.6	39
3672	Role of non-coding RNAs in age-related vascular cognitive impairment: An overview on diagnostic/prognostic value in Vascular Dementia and Vascular Parkinsonism. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111332.	2.2	7
3673	The mitochondria regulation of stem cell aging. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111334.	2.2	10
3674	Signaling pathways of dietary energy restriction and metabolism on brain physiology and in age-related neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111364.	2.2	6
3675	A natural product solution to aging and aging-associated diseases. , 2020, 216, 107673.		26
3676	Decoding the rosetta stone of mitonuclear communication. <i>Pharmacological Research</i> , 2020, 161, 105161.	3.1	33
3677	Edible flowers as functional raw materials: A review on anti-aging properties. <i>Trends in Food Science and Technology</i> , 2020, 106, 30-47.	7.8	43
3678	Age-related gene expression and DNA methylation changes in rhesus macaque. <i>Genomics</i> , 2020, 112, 5147-5156.	1.3	13

#	ARTICLE	IF	CITATIONS
3679	Current clinical management of elderly patients with glioma. <i>Expert Review of Anticancer Therapy</i> , 2020, 20, 1037-1048.	1.1	8
3680	Epigenetic mechanisms in Tendon Ageing. <i>British Medical Bulletin</i> , 2020, 135, 90-107.	2.7	9
3682	Secoisolariciresinol Diglucoside Delays the Progression of Aging-Related Diseases and Extends the Lifespan of <i>Caenorhabditis elegans</i> via DAF-16 and HSF-1. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	1.9	14
3683	Intrinsic Type 1 Interferon (IFN1) Profile of Uncultured Human Bone Marrow CD45 ^{low} CD271 ⁺ Multipotential Stromal Cells (BM-MSCs): The Impact of Donor Age, Culture Expansion and IFN β and IFN γ Stimulation. <i>Biomedicines</i> , 2020, 8, 214.	1.4	6
3684	No effect of the endurance training status on senescence despite reduced inflammation in skeletal muscle of older individuals. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E447-E454.	1.8	9
3685	Calorie Restriction Increases the Number of Competing Stem Cells and Decreases Mutation Retention in the Intestine. <i>Cell Reports</i> , 2020, 32, 107937.	2.9	36
3686	Sclerostin and Vascular Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4779.	1.8	33
3687	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. <i>Nature</i> , 2020, 583, 590-595.	13.7	683
3688	Ageing hallmarks exhibit organ-specific temporal signatures. <i>Nature</i> , 2020, 583, 596-602.	13.7	317
3689	Highly accurate skin-specific methylome analysis algorithm as a platform to screen and validate therapeutics for healthy aging. <i>Clinical Epigenetics</i> , 2020, 12, 105.	1.8	27
3690	Functional crosstalk between mTORC1/p70S6K pathway and heterochromatin organization in stress-induced senescence of MSCs. <i>Stem Cell Research and Therapy</i> , 2020, 11, 279.	2.4	20
3691	Association of dietary selenium intake with telomere length in middle-aged and older adults. <i>Clinical Nutrition</i> , 2020, 39, 3086-3091.	2.3	39
3692	Redox-mediated regulation of aging and healthspan by an evolutionarily conserved transcription factor HLH-2/Tcf3/E2A. <i>Redox Biology</i> , 2020, 32, 101448.	3.9	10
3693	Multivariate genomic scan implicates novel loci and haem metabolism in human ageing. <i>Nature Communications</i> , 2020, 11, 3570.	5.8	84
3694	Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2020, 15, 40.	4.4	438
3695	Antioxidant Functionalized Nanoparticles: A Combat against Oxidative Stress. <i>Nanomaterials</i> , 2020, 10, 1334.	1.9	106
3696	Intergenerational transmission of childhood trauma? Testing cellular aging in mothers exposed to sexual abuse and their children. <i>Psychoneuroendocrinology</i> , 2020, 120, 104781.	1.3	9
3697	Aging, Life History, and Human Evolution. <i>Annual Review of Anthropology</i> , 2020, 49, 101-121.	0.4	9

#	ARTICLE	IF	CITATIONS
3698	Impact of age-related cancer and treatment-driven inflammation on T cell function and immunotherapy. <i>Journal of Leukocyte Biology</i> , 2020, 108, 953-965.	1.5	15
3699	Lack of consensus on an aging biology paradigm? A global survey reveals an agreement to disagree, and the need for an interdisciplinary framework. <i>Mechanisms of Ageing and Development</i> , 2020, 191, 111316.	2.2	67
3700	Helminth infections and immunosenescence: The friend of my enemy. <i>Experimental Gerontology</i> , 2020, 133, 110852.	1.2	18
3701	Glycome profiling by lectin microarray reveals dynamic glycan alterations during epidermal stem cell aging. <i>Aging Cell</i> , 2020, 19, e13190.	3.0	23
3702	Time restricted feeding provides a viable alternative to alternate day fasting when evaluated in terms of redox homeostasis in rats. <i>Archives of Gerontology and Geriatrics</i> , 2020, 91, 104188.	1.4	10
3703	Aging and Cancer : A new forum for research that spans disciplines and seeks new answers. <i>Aging and Cancer</i> , 2020, 1, 3-4.	0.5	1
3704	Aging mechanisms—A perspective mostly from <i>Drosophila</i> . <i>Genetics & Genomics Next</i> , 2020, 1, e10026.	0.8	11
3705	Metabolic health and lifestyle medicine should be a cornerstone of future pandemic preparedness. <i>Lifestyle Medicine</i> , 2020, 1, e2.	0.3	7
3706	Age-related blunting of the phagocyte arsenal and its art of killing. <i>Current Molecular Biology Reports</i> , 2020, 6, 126-138.	0.8	1
3707	Comparative Analysis of Yeast Replicative Lifespan in Different Trapping Structures Using an Integrated Microfluidic System. <i>Advanced Materials Technologies</i> , 2020, 5, 2000655.	3.0	5
3708	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. <i>FEBS Journal</i> , 2021, 288, 3834-3854.	2.2	20
3709	Senescence in Pulmonary Fibrosis: Between Aging and Exposure. <i>Frontiers in Medicine</i> , 2020, 7, 606462.	1.2	31
3710	The Association Between Leukocyte Telomere Length and Cognitive Performance Among the American Elderly. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 527658.	1.7	12
3711	Dysfunction of B Cell Leading to Failure of Immunoglobulin Response Is Ameliorated by Dietary Silk Peptide in 14-Month-Old C57BL/6 Mice. <i>Frontiers in Nutrition</i> , 2020, 7, 583186.	1.6	3
3712	The Dunkin Hartley Guinea Pig Is a Model of Primary Osteoarthritis That Also Exhibits Early Onset Myofiber Remodeling That Resembles Human Musculoskeletal Aging. <i>Frontiers in Physiology</i> , 2020, 11, 571372.	1.3	16
3713	Sirtuins in female meiosis and in reproductive longevity. <i>Molecular Reproduction and Development</i> , 2020, 87, 1175-1187.	1.0	12
3714	Longevity strategies in response to light in the reef coral <i>Stylophora pistillata</i> . <i>Scientific Reports</i> , 2020, 10, 19937.	1.6	4
3715	The nonhuman primate hypothalamo-pituitary-adrenal axis is an orchestrator of programming-aging interactions: role of nutrition. <i>Nutrition Reviews</i> , 2020, 78, 48-61.	2.6	11

#	ARTICLE	IF	CITATIONS
3716	Correlation between sestrin2 expression and airway remodeling in COPD. BMC Pulmonary Medicine, 2020, 20, 297.	0.8	8
3717	Proteomic Insights into Senescence of Testicular Peritubular Cells from a Nonhuman Primate Model. Cells, 2020, 9, 2498.	1.8	7
3718	Autophagy and Redox Homeostasis in Parkinsonâ€™s: A Crucial Balancing Act. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-38.	1.9	14
3719	Distinct Age-Related Epigenetic Signatures in CD4 and CD8 T Cells. Frontiers in Immunology, 2020, 11, 585168.	2.2	46
3720	The Functional Impact of Mitochondrial Structure Across Subcellular Scales. Frontiers in Physiology, 2020, 11, 541040.	1.3	120
3721	The Chemical Exposome of Human Aging. Frontiers in Genetics, 2020, 11, 574936.	1.1	20
3722	Potential Anti-Aging Substances Derived from Seaweeds. Marine Drugs, 2020, 18, 564.	2.2	11
3723	Nutrients and Pathways that Regulate Health Span and Life Span. Geriatrics (Switzerland), 2020, 5, 95.	0.6	32
3724	Hiding in Plain Sight: Virtually Unrecognizable Memory Phenotype CD8+ T cells. International Journal of Molecular Sciences, 2020, 21, 8626.	1.8	11
3725	Mini-Review on Lipofuscin and Aging: Focusing on The Molecular Interface, The Biological Recycling Mechanism, Oxidative Stress, and The Gut-Brain Axis Functionality. Medicina (Lithuania), 2020, 56, 626.	0.8	8
3726	Interplays between pre- and post-natal environments affect early-life mortality, body mass and telomere dynamics in the wild. Journal of Experimental Biology, 2021, 224, .	0.8	4
3727	Integrating the Hallmarks of Aging Throughout the Tree of Life: A Focus on Mitochondrial Dysfunction. Frontiers in Cell and Developmental Biology, 2020, 8, 594416.	1.8	46
3728	Ultrarare heterozygous pathogenic variants of genes causing dominant forms of early-onset deafness underlie severe presbycusis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31278-31289.	3.3	29
3729	Measurement of autophagic flux in humans: an optimized method for blood samples. Autophagy, 2021, 17, 3238-3255.	4.3	21
3730	Identification of Flavonoids From Finger Citron and Evaluation on Their Antioxidative and Antiaging Activities. Frontiers in Nutrition, 2020, 7, 584900.	1.6	19
3731	Advances in transcriptome analysis of human brain aging. Experimental and Molecular Medicine, 2020, 52, 1787-1797.	3.2	41
3732	Cellular proteostasis decline in human senescence. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31902-31913.	3.3	81
3733	Reprogramming to recover youthful epigenetic information and restore vision. Nature, 2020, 588, 124-129.	13.7	424

#	ARTICLE	IF	CITATIONS
3734	Association between diabetes, obesity, aging, and cancer: review of recent literature. <i>Translational Cancer Research</i> , 2020, 9, 5743-5759.	0.4	6
3735	ATM mediated-p53 signaling pathway forms a novel axis for senescence control. <i>Mitochondrion</i> , 2020, 55, 54-63.	1.6	12
3736	Engeletin ameliorates pulmonary fibrosis through endoplasmic reticulum stress depending on lnc949-mediated TGF- β 1-Smad2/3 and JNK signalling pathways. <i>Pharmaceutical Biology</i> , 2020, 58, 1114-1123.	1.3	12
3737	The Aging Stress Response and Its Implication for AMD Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8840.	1.8	23
3738	A Ten-Day Grape Seed Procyanidin Treatment Prevents Certain Ageing Processes in Female Rats over the Long Term. <i>Nutrients</i> , 2020, 12, 3647.	1.7	10
3739	Axin-Mediated Regulation of Lifespan and Muscle Health in <i>C.Âlegans</i> Requires AMPK-FOXO Signaling. <i>IScience</i> , 2020, 23, 101843.	1.9	13
3740	Sirt3 Attenuates Oxidative Stress Damage and Rescues Cellular Senescence in Rat Bone Marrow Mesenchymal Stem Cells by Targeting Superoxide Dismutase 2. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 599376.	1.8	30
3741	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection: Triggering a Lethal Fight to Keep Control of the Ten-Eleven Translocase (TET)-Associated DNA Demethylation?. <i>Pathogens</i> , 2020, 9, 1006.	1.2	1
3742	Therapy-induced polyploidization and senescence: Coincidence or interconnection?. <i>Seminars in Cancer Biology</i> , 2022, 81, 83-95.	4.3	34
3743	Telomeric injury by KML001 in human T cells induces mitochondrial dysfunction through the p53-PGC-1 β pathway. <i>Cell Death and Disease</i> , 2020, 11, 1030.	2.7	23
3744	Causal effects of physical activity and sedentary behaviour on health deficits accumulation in older adults. <i>International Journal of Epidemiology</i> , 2021, 50, 852-865.	0.9	5
3745	Design and protocol of the multimorbidity and mental health cohort study in frailty and aging (MiMiCS-FRIL): unraveling the clinical and molecular associations between frailty, somatic disease burden and late life depression. <i>BMC Psychiatry</i> , 2020, 20, 573.	1.1	10
3746	Prevalent intron retention fine-tunes gene expression and contributes to cellular senescence. <i>Aging Cell</i> , 2020, 19, e13276.	3.0	25
3747	Stress-related changes in leukocyte profiles and telomere shortening in the shortest-lived tetrapod, <i>Furcifer labordi</i> . <i>BMC Evolutionary Biology</i> , 2020, 20, 160.	3.2	3
3748	In vivo biomarkers of structural and functional brain development and aging in humans. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 117, 142-164.	2.9	19
3749	The Gut Microbiome, Aging, and Longevity: A Systematic Review. <i>Nutrients</i> , 2020, 12, 3759.	1.7	207
3750	Immunosenescence: a key player in cancer development. <i>Journal of Hematology and Oncology</i> , 2020, 13, 151.	6.9	198
3751	Lost in the Crowd: How Does Human 8-Oxoguanine DNA Glycosylase 1 (OGG1) Find 8-Oxoguanine in the Genome?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8360.	1.8	23

#	ARTICLE	IF	CITATIONS
3752	Blood-based epigenetic estimators of chronological age in human adults using DNA methylation data from the Illumina MethylationEPIC array. <i>BMC Genomics</i> , 2020, 21, 747.	1.2	14
3753	Biomarkers of Activation and Inflammation to Track Disparity in Chronological and Physiological Age of People Living With HIV on Combination Antiretroviral Therapy. <i>Frontiers in Immunology</i> , 2020, 11, 583934.	2.2	17
3754	FoxO1 is a crucial mediator of TGF- β 2/TAK1 signaling and protects against osteoarthritis by maintaining articular cartilage homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30488-30497.	3.3	62
3755	Immunosenescence and Inflammaging: Risk Factors of Severe COVID-19 in Older People. <i>Frontiers in Immunology</i> , 2020, 11, 579220.	2.2	115
3756	Emerging Evidences for an Implication of the Neurodegeneration-Associated Protein TAU in Cancer. <i>Brain Sciences</i> , 2020, 10, 862.	1.1	28
3757	Unraveling the Links Underlying Arterial Stiffness, Bone Demineralization, and Muscle Loss. <i>Hypertension</i> , 2020, 76, 629-639.	1.3	19
3758	Cardiovascular fitness and structural brain integrity: an update on current evidence. <i>GeroScience</i> , 2020, 42, 1285-1306.	2.1	8
3759	Role of B cells and the aging brain in stroke recovery and treatment. <i>GeroScience</i> , 2020, 42, 1199-1216.	2.1	19
3760	Dietary antioxidants, epigenetics, and brain aging: A focus on resveratrol. , 2020, , 343-357.		2
3761	Generation of rhBMP-2-induced juvenile ossicles in aged mice. <i>Biomaterials</i> , 2020, 258, 120284.	5.7	17
3762	Molecular and functional characteristics of megakaryocytes and platelets in aging. <i>Current Opinion in Hematology</i> , 2020, 27, 302-310.	1.2	2
3763	Microbiota-host interactions shape ageing dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190596.	1.8	27
3764	Geroscience in the Age of COVID-19. , 2020, 11, 725.		24
3765	In <i>S. cerevisiae</i> hydroxycitric acid antagonizes chronological aging and apoptosis regardless of citrate lyase. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2020, 25, 686-696.	2.2	2
3766	Multiparameter flow cytometric detection and quantification of senescent cells in vitro. <i>Biogerontology</i> , 2020, 21, 773-786.	2.0	15
3767	A human circulating immune cell landscape in aging and COVID-19. <i>Protein and Cell</i> , 2020, 11, 740-770.	4.8	179
3768	Age and mitochondrial DNA copy number influence the association between outdoor temperature and cognitive function. <i>Environmental Epidemiology</i> , 2020, 4, e0108.	1.4	8
3769	Histone methyltransferase Smyd3 is a new regulator for vascular senescence. <i>Aging Cell</i> , 2020, 19, e13212.	3.0	24

#	ARTICLE	IF	CITATIONS
3770	Stochastic Epigenetic Mutations Are Associated with Risk of Breast Cancer, Lung Cancer, and Mature B-cell Neoplasms. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2026-2037.	1.1	18
3771	Optimal control of aging in complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20404-20410.	3.3	10
3772	Analysis of genome-wide methylation using reduced representation bisulfite sequencing (RRBS) technology. , 2020, , 141-156.		1
3773	Capturing complex epigenetic phenomena through human multicellular systems. <i>Current Opinion in Biomedical Engineering</i> , 2020, 16, 34-41.	1.8	1
3774	Combined C-Reactive Protein and Novel Inflammatory Parameters as a Predictor in Cancer—What Can We Learn from the Hematological Experience?. <i>Cancers</i> , 2020, 12, 1966.	1.7	37
3775	Neuroinflammation and oxidative stress in the aging brain: Linking in metabolism, stem cells, proteostasis, and stress adaptation. , 2020, , 49-65.		0
3776	Beyond Host Defense: Deregulation of Drosophila Immunity and Age-Dependent Neurodegeneration. <i>Frontiers in Immunology</i> , 2020, 11, 1574.	2.2	9
3777	Aging as “Time-Related Dysfunction”: A Perspective. <i>Frontiers in Medicine</i> , 2020, 7, 371.	1.2	5
3778	Integrated Pathways of COX-2 and mTOR: Roles in Cell Sensing and Alzheimer’s Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 693.	1.4	22
3779	Brain Endothelial Cells Are Exquisite Sensors of Age-Related Circulatory Cues. <i>Cell Reports</i> , 2020, 30, 4418-4432.e4.	2.9	133
3780	Impact of ageing and soil contaminants on telomere length in the land snail. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110766.	2.9	7
3781	Decrease of laminin-511 in the basement membrane due to photoaging reduces epidermal stem/progenitor cells. <i>Scientific Reports</i> , 2020, 10, 12592.	1.6	17
3782	Premature aging of circulating T cells predicts all-cause mortality in hemodialysis patients. <i>BMC Nephrology</i> , 2020, 21, 271.	0.8	17
3783	Ethical and social implications of approaching death prediction in humans - when the biology of ageing meets existential issues. <i>BMC Medical Ethics</i> , 2020, 21, 64.	1.0	4
3784	Effects of Physical Exercise on Autophagy and Apoptosis in Aged Brain: Human and Animal Studies. <i>Frontiers in Nutrition</i> , 2020, 7, 94.	1.6	27
3785	Surface Active Agents and Their Health-Promoting Properties: Molecules of Multifunctional Significance. <i>Pharmaceutics</i> , 2020, 12, 688.	2.0	39
3786	Part 1: The PIWI-piRNA Pathway Is an Immune-Like Surveillance Process That Controls Genome Integrity by Silencing Transposable Elements. , 2020, , .		0
3787	Beaver and Naked Mole Rat Genomes Reveal Common Paths to Longevity. <i>Cell Reports</i> , 2020, 32, 107949.	2.9	26

#	ARTICLE	IF	CITATIONS
3788	Dissecting Murine Muscle Stem Cell Aging through Regeneration Using Integrative Genomic Analysis. <i>Cell Reports</i> , 2020, 32, 107964.	2.9	49
3789	Immunosenescence profiles are not associated with muscle strength, physical performance and sarcopenia risk in very old adults: The Newcastle 85+ Study. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111321.	2.2	7
3790	Changes in the intracellular microenvironment in the aging human brain. <i>Neurobiology of Aging</i> , 2020, 95, 168-175.	1.5	11
3791	Extracellular vesicles and extracellular RNA in aging and age-related disease. <i>Translational Medicine of Aging</i> , 2020, 4, 96-98.	0.6	15
3792	Identification of common cardiometabolic alterations and deregulated pathways in mouse and pig models of aging. <i>Aging Cell</i> , 2020, 19, e13203.	3.0	10
3793	Role of Age-Related Mitochondrial Dysfunction in Sarcopenia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5236.	1.8	75
3794	Lactate Dehydrogenase Inhibition With Oxamate Exerts Bone Anabolic Effect. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2432-2443.	3.1	21
3795	A Mitochondrial Stress-Specific Form of HSF1 Protects against Age-Related Proteostasis Collapse. <i>Developmental Cell</i> , 2020, 54, 758-772.e5.	3.1	24
3796	Can the aging influence cold environment mediated cancer risk in the USA female population?. <i>Journal of Thermal Biology</i> , 2020, 92, 102676.	1.1	3
3797	Comparative study about ageing effect on retina and cerebellum of <i>Columba livia domestica</i> . <i>Acta Zoologica</i> , 2020, 102, 394.	0.6	0
3798	Extracellular Vesicles from Fibroblasts Induce Epithelial-Cell Senescence in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 623-636.	1.4	63
3799	Melatonin supplementation over different time periods until ageing modulates genotoxic parameters in mice. <i>Mutagenesis</i> , 2020, 35, 465-478.	1.0	8
3800	Associations between Physical Fitness, Bone Mass, and Structure in Older People. <i>BioMed Research International</i> , 2020, 2020, 1-8.	0.9	12
3801	Terpenoids of <i>Ganoderma lucidum</i> reverse cognitive impairment through attenuating neurodegeneration via suppression of PI3K/AKT/mTOR expression in vivo model. <i>Journal of Functional Foods</i> , 2020, 73, 104142.	1.6	16
3802	Intergenerational Transfer of Ageing: Parental Age and Offspring Lifespan. <i>Trends in Ecology and Evolution</i> , 2020, 35, 927-937.	4.2	58
3803	Age-dependent altered redox homeostasis in the chronodisrupted rat model and moderation by melatonin administration. <i>Chronobiology International</i> , 2020, 37, 1517-1527.	0.9	10
3804	Lifespan-extending interventions enhance lipid-supported mitochondrial respiration in <i>Caenorhabditis elegans</i> . <i>FASEB Journal</i> , 2020, 34, 9972-9981.	0.2	8
3805	Senescence and Cancer: A Review of Clinical Implications of Senescence and Senotherapies. <i>Cancers</i> , 2020, 12, 2134.	1.7	134

#	ARTICLE	IF	CITATIONS
3806	Endosomal-lysosomal dysfunction in metabolic diseases and Alzheimer's disease. <i>International Review of Neurobiology</i> , 2020, 154, 303-324.	0.9	14
3807	Solid-phase inclusion as a mechanism for regulating unfolded proteins in the mitochondrial matrix. <i>Science Advances</i> , 2020, 6, eabc7288.	4.7	9
3808	Pathogenesis of COVID-19-induced ARDS: implications for an ageing population. <i>European Respiratory Journal</i> , 2020, 56, 2002049.	3.1	168
3809	Pathogenesis of Osteoarthritis: Risk Factors, Regulatory Pathways in Chondrocytes, and Experimental Models. <i>Biology</i> , 2020, 9, 194.	1.3	111
3810	SPARC-p53: The double agents of cancer. <i>Advances in Cancer Research</i> , 2020, 148, 171-199.	1.9	18
3811	Omics biomarkers for frailty in older adults. <i>Clinica Chimica Acta</i> , 2020, 510, 363-372.	0.5	12
3812	A new model to investigate UVB-induced cellular senescence and pigmentation in melanocytes. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111322.	2.2	21
3813	Mitochondrial pathways in human health and aging. <i>Mitochondrion</i> , 2020, 54, 72-84.	1.6	52
3814	Endoplasmic Reticulum (ER) Stress Response Failure in Diseases. <i>Trends in Cell Biology</i> , 2020, 30, 672-675.	3.6	71
3815	Associations of cardiovascular biomarkers and plasma albumin with exceptional survival to the highest ages. <i>Nature Communications</i> , 2020, 11, 3820.	5.8	58
3816	Large-scale informatic analysis to algorithmically identify blood biomarkers of neurological damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20764-20775.	3.3	9
3817	The role of the stem cell epigenome in normal aging and rejuvenative therapy. <i>Human Molecular Genetics</i> , 2020, 29, R236-R247.	1.4	4
3818	Insulin-Like Growth Factor I Prevents Cellular Aging via Activation of Mitophagy. <i>Journal of Aging Research</i> , 2020, 2020, 1-13.	0.4	15
3819	tBHP treatment as a model for cellular senescence and pollution-induced skin aging. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111318.	2.2	19
3820	The Epigenome of Aging. , 2020, , 135-158.		0
3821	Down syndrome, accelerated aging and immunosenescence. <i>Seminars in Immunopathology</i> , 2020, 42, 635-645.	2.8	35
3822	Comparison of In Vitro and In Vivo Antioxidant Activities of Six Flavonoids with Similar Structures. <i>Antioxidants</i> , 2020, 9, 732.	2.2	67
3823	Biomarkers of Physical Frailty and Sarcopenia: Coming up to the Place?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5635.	1.8	50

#	ARTICLE	IF	CITATIONS
3824	The deacetylase SIRT6 promotes the repair of UV-induced DNA damage by targeting DDB2. <i>Nucleic Acids Research</i> , 2020, 48, 9181-9194.	6.5	33
3825	Role of Inflammasomes in HIV-1 and Drug Abuse Mediated Neuroinflammation. <i>Cells</i> , 2020, 9, 1857.	1.8	16
3826	Epigallocatechin-3-gallate preconditioned Adipose-derived Stem Cells confer Neuroprotection in aging rat brain. <i>International Journal of Medical Sciences</i> , 2020, 17, 1916-1926.	1.1	7
3827	Pathophysiology of premature aging characteristics in Mendelian progeroid disorders. <i>European Journal of Medical Genetics</i> , 2020, 63, 104028.	0.7	14
3828	A Senescence-Centric View of Aging: Implications for Longevity and Disease. <i>Trends in Cell Biology</i> , 2020, 30, 777-791.	3.6	138
3830	Metabolic rate through the life-course: From the organism to the organelle. <i>Experimental Gerontology</i> , 2020, 140, 111059.	1.2	0
3831	Robustness during Aging—Molecular Biological and Physiological Aspects. <i>Cells</i> , 2020, 9, 1862.	1.8	8
3832	Novel resveratrol derivatives have diverse effects on the survival, proliferation and senescence of primary human fibroblasts. <i>Biogerontology</i> , 2020, 21, 817-826.	2.0	9
3833	Cardiovascular involvement during COVID-19 and clinical implications in elderly patients. A review. <i>Annals of Medicine and Surgery</i> , 2020, 57, 236-243.	0.5	36
3834	DNA Integrity Estimated via the Comet Assay Reflects Oxidative Stress and Competitive Disadvantage in Developing Birds. <i>Physiological and Biochemical Zoology</i> , 2020, 93, 384-395.	0.6	1
3835	Structural basis of the anti-ageing effects of polyphenolics: mitigation of oxidative stress. <i>BMC Chemistry</i> , 2020, 14, 50.	1.6	38
3836	Astaxanthin attenuates oxidative stress and immune impairment in galactose-induced aging in rats by activating the Nrf2/Keap1 pathway and suppressing the NF- κ B pathway. <i>Food and Function</i> , 2020, 11, 8099-8111.	2.1	28
3837	Senolytics: Targeting Senescent Cells for Age-Associated Diseases. <i>Current Molecular Biology Reports</i> , 2020, 6, 161-172.	0.8	4
3838	Stem Cell Metabolism and Diet. <i>Current Stem Cell Reports</i> , 2020, 6, 119-125.	0.7	1
3839	Redox homeostasis and cell cycle activation mediate beta-cell mass expansion in aged, diabetes-prone mice under metabolic stress conditions: Role of thioredoxin-interacting protein (TXNIP). <i>Redox Biology</i> , 2020, 37, 101748.	3.9	4
3840	Alternative systems for misfolded protein clearance: life beyond the proteasome. <i>FEBS Journal</i> , 2021, 288, 4464-4487.	2.2	49
3841	The dialogue between the ubiquitin-proteasome system and autophagy: Implications in ageing. <i>Ageing Research Reviews</i> , 2020, 64, 101203.	5.0	47
3842	Loss of gene coordination as a stochastic cause of ageing. <i>Nature Metabolism</i> , 2020, 2, 1188-1189.	5.1	2

#	ARTICLE	IF	CITATIONS
3843	Age-related loss of gene-to-gene transcriptional coordination among single cells. <i>Nature Metabolism</i> , 2020, 2, 1305-1315.	5.1	27
3844	Feline musculoskeletal ageing: How are we diagnosing and treating musculoskeletal impairment?. <i>Journal of Feline Medicine and Surgery</i> , 2020, 22, 1069-1083.	0.6	7
3845	Frequent birth-and-death events throughout perforin-1 evolution. <i>BMC Evolutionary Biology</i> , 2020, 20, 135.	3.2	2
3846	Age-related gene expression alterations by SARS-CoV-2 infection contribute to poor prognosis in elderly. <i>Journal of Genetics</i> , 2020, 99, 1.	0.4	7
3847	The turquoise killifish: a genetically tractable model for the study of aging. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	23
3848	Activation of group 2 innate lymphoid cells alleviates aging-associated cognitive decline. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	51
3849	Identification of Key Genes and Potential New Biomarkers for Ovarian Aging: A Study Based on RNA-Sequencing Data. <i>Frontiers in Genetics</i> , 2020, 11, 590660.	1.1	21
3850	The Challenge by Multiple Environmental and Biological Factors Induce Inflammation in Aging: Their Role in the Promotion of Chronic Disease. <i>Frontiers in Immunology</i> , 2020, 11, 570083.	2.2	30
3851	Extracellular vesicles as potential tools for regenerative therapy. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1809958.	0.3	5
3852	Intimate Relations” Mitochondria and Ageing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7580.	1.8	20
3853	Why we should use topological data analysis in ageing: Towards defining the “topological shape of ageing”. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111390.	2.2	8
3854	Modeling neurodegeneration in <i>Caenorhabditis elegans</i> . <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	83
3855	Therapeutic strategies targeting somatic stem cells: Chemical approaches. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115824.	1.4	2
3856	Emodin Derivatives as Multi-Target-Directed Ligands Inhibiting Monoamine Oxidase and Antagonizing Vasopressin V _{1A} Receptors. <i>ACS Omega</i> , 2020, 5, 26720-26731.	1.6	6
3857	Effects of ethyl acetate fractional extract from <i>Portulaca oleracea</i> L. (POEA) on lifespan and healthspan in <i>Caenorhabditis elegans</i> . <i>Journal of Food Science</i> , 2020, 85, 4367-4376.	1.5	14
3858	Switching of vascular cells towards atherogenesis, and other factors contributing to atherosclerosis: a systematic review. <i>Thrombosis Journal</i> , 2020, 18, 28.	0.9	15
3859	Basal Cell Carcinoma: From Pathophysiology to Novel Therapeutic Approaches. <i>Biomedicines</i> , 2020, 8, 449.	1.4	57
3860	Treating Senescence like Cancer: Novel Perspectives in Senotherapy of Chronic Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7984.	1.8	7

#	ARTICLE	IF	CITATIONS
3861	Novel update of interventional strategies of vascular aging in humans. <i>Aging Medicine (Milton (N S) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.9	1
3862	Improvements and inter-laboratory implementation and optimization of blood-based single-locus age prediction models using DNA methylation of the ELOVL2 promoter. <i>Scientific Reports</i> , 2020, 10, 15652.	1.6	13
3863	Dynamic changes in the brain protein interaction network correlates with progression of A β 242 pathology in <i>Drosophila</i> . <i>Scientific Reports</i> , 2020, 10, 18517.	1.6	6
3864	Proteomic signatures of acute oxidative stress response to paraquat in the mouse heart. <i>Scientific Reports</i> , 2020, 10, 18440.	1.6	12
3865	Modulation of <i>Tmem135</i> Leads to Retinal Pigmented Epithelium Pathologies in Mice. , 2020, 61, 16.		7
3866	Periodontal Disease and Senescent Cells: New Players for an Old Oral Health Problem?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7441.	1.8	23
3867	Effects of low temperature on longevity and lipid metabolism in the marine rotifer <i>Brachionus koreanus</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 250, 110803.	0.8	7
3868	Genome folding and refolding in differentiation and cellular senescence. <i>Current Opinion in Cell Biology</i> , 2020, 67, 56-63.	2.6	3
3869	Mitochondrial Regulation of the 26S Proteasome. <i>Cell Reports</i> , 2020, 32, 108059.	2.9	28
3870	Plasma proteomic profile of age, health span, and all-cause mortality in older adults. <i>Aging Cell</i> , 2020, 19, e13250.	3.0	58
3871	Telomere shortening correlates with harsh weather conditions in the bat species <i>Myotis myotis</i> . <i>Molecular Ecology</i> , 2020, 29, 2951-2953.	2.0	5
3872	Copy Number Alterations in Papillary Thyroid Carcinomas: Does Loss of <i>SESN2</i> Have a Role in Age-related Different Prognoses?. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 643-648.	1.0	1
3873	Pace and stability of embryonic development affect telomere dynamics: an experimental study in a precocial bird model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201378.	1.2	53
3874	Platelets in aging and cancer—“double-edged sword”. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 1205-1221.	2.7	19
3875	Short-Term Mild Temperature-Stress-Induced Alterations in the <i>C. elegans</i> Phosphoproteome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6409.	1.8	13
3876	Flexibility Is Costly: Hidden Physiological Damage From Seasonal Phenotypic Transitions in Heterothermic Species. <i>Frontiers in Physiology</i> , 2020, 11, 985.	1.3	14
3877	Rhesus macaques as a tractable physiological model of human ageing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190612.	1.8	61
3878	A germ cell-specific ageing pattern in otherwise healthy men. <i>Aging Cell</i> , 2020, 19, e13242.	3.0	27

#	ARTICLE	IF	CITATIONS
3879	Editorial: Adipose Tissue: Which Role in Aging and Longevity?. <i>Frontiers in Endocrinology</i> , 2020, 11, 583.	1.5	6
3880	Biological Aging Modulates Cell Migration via Lamin A/C-Dependent Nuclear Motion. <i>Micromachines</i> , 2020, 11, 801.	1.4	3
3881	Mitochondrial transformations in the aging human placenta. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E981-E994.	1.8	14
3882	Impact of Age on the Efficacy of Immune Checkpoint Inhibitor-Based Combination Therapy for Non-small-Cell Lung Cancer: A Systematic Review and Meta-Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 1671.	1.3	25
3883	Cell Reprogramming Preserving Epigenetic Age: Advantages and Limitations. <i>Biochemistry (Moscow)</i> , 2020, 85, 1035-1047.	0.7	7
3884	The Epigenetic Link between Polyphenols, Aging and Age-Related Diseases. <i>Genes</i> , 2020, 11, 1094.	1.0	50
3885	SUMO promotes longevity and maintains mitochondrial homeostasis during ageing in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2020, 10, 15513.	1.6	11
3886	Re-equilibration of imbalanced NAD metabolism ameliorates the impact of telomere dysfunction. <i>EMBO Journal</i> , 2020, 39, e103420.	3.5	42
3887	Roles of circular RNAs in diabetic complications: From molecular mechanisms to therapeutic potential. <i>Gene</i> , 2020, 763, 145066.	1.0	27
3888	Pulp Regeneration: Current Approaches, Challenges, and Novel Rejuvenating Strategies for an Aging Population. <i>Journal of Endodontics</i> , 2020, 46, S135-S142.	1.4	8
3889	Deep learning-enabled analysis reveals distinct neuronal phenotypes induced by aging and cold-shock. <i>BMC Biology</i> , 2020, 18, 130.	1.7	8
3890	Underlying features of epigenetic aging clocks in vivo and in vitro. <i>Aging Cell</i> , 2020, 19, e13229.	3.0	120
3891	Development of a High-Efficacy Reprogramming Method for Generating Human Induced Pluripotent Stem (iPS) Cells from Pathologic and Senescent Somatic Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6764.	1.8	6
3892	Clinical Evidence for Targeting NAD Therapeutically. <i>Pharmaceuticals</i> , 2020, 13, 247.	1.7	31
3893	Active Peptide KF-8 from Rice Bran Attenuates Oxidative Stress in a Mouse Model of Aging Induced by Galactose. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12271-12283.	2.4	24
3894	1 Older adults assessment of Geriatric assessment Assessment aging patient Aging assessment of aging patient Assessing the Aging Patient. , 2020, , .		0
3895	Nutritional Epigenomics and Age-Related Disease. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa097.	0.1	21
3896	Klotho, Aging, and the Failing Kidney. <i>Frontiers in Endocrinology</i> , 2020, 11, 560.	1.5	101

#	ARTICLE	IF	CITATIONS
3897	Climate change and ageing in ectotherms. <i>Global Change Biology</i> , 2020, 26, 5371-5381.	4.2	68
3898	Stem Cells of the Aging Brain. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 247.	1.7	48
3899	Medicinal Properties of <i>Lilium candidum</i> L. and Its Phytochemicals. <i>Plants</i> , 2020, 9, 959.	1.6	14
3900	Defining aging. <i>Biology and Philosophy</i> , 2020, 35, 1.	0.7	28
3901	Epithelial cell-specific loss of function of <i>Miz1</i> causes a spontaneous COPD-like phenotype and up-regulates <i>Ace2</i> expression in mice. <i>Science Advances</i> , 2020, 6, eabb7238.	4.7	16
3902	Gentiopicroside, a Secoiridoid Glycoside from <i>Gentiana rigescens</i> Franch, Extends the Lifespan of Yeast via Inducing Mitophagy and Antioxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	11
3903	Use of Customizable Nucleases for Gene Editing and Other Novel Applications. <i>Genes</i> , 2020, 11, 976.	1.0	9
3904	Insights into the Role of Bioactive Food Ingredients and the Microbiome in Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6051.	1.8	16
3905	Sulfated syndecan 1 is critical to preventing cellular senescence by modulating fibroblast growth factor receptor endocytosis. <i>FASEB Journal</i> , 2020, 34, 10316-10328.	0.2	17
3906	Protective Effects of Polyphenols Present in Mediterranean Diet on Endothelial Dysfunction. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	22
3907	A public health perspective of aging: do hyper-inflammatory syndromes such as COVID-19, SARS, ARDS, cytokine storm syndrome, and post-ICU syndrome accelerate short- and long-term inflammaging?. <i>Immunity and Ageing</i> , 2020, 17, 23.	1.8	61
3908	Wnt Signaling Inhibits High-Density Cell Sheet Culture Induced Mesenchymal Stromal Cell Aging by Targeting Cell Cycle Inhibitor p27. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 946.	2.0	4
3909	Single-Cell Transcriptome Analysis Reveals Six Subpopulations Reflecting Distinct Cellular Fates in Senescent Mouse Embryonic Fibroblasts. <i>Frontiers in Genetics</i> , 2020, 11, 867.	1.1	16
3910	Docosahexaenoic Acid, a Potential Treatment for Sarcopenia, Modulates the Ubiquitin-Proteasome and the Autophagy-Lysosome Systems. <i>Nutrients</i> , 2020, 12, 2597.	1.7	31
3911	Frailty in patients with interstitial lung disease. <i>Current Opinion in Pulmonary Medicine</i> , 2020, 26, 449-456.	1.2	11
3912	Pro-Aging Effects of Xanthine Oxidoreductase Products. <i>Antioxidants</i> , 2020, 9, 839.	2.2	14
3913	Loss of MTX2 causes mandibuloacral dysplasia and links mitochondrial dysfunction to altered nuclear morphology. <i>Nature Communications</i> , 2020, 11, 4589.	5.8	30
3914	An Understudied Dimension: Why Age Needs to Be Considered When Studying Epigenetic-Environment Interactions. <i>Epigenetics Insights</i> , 2020, 13, 251686572094701.	0.6	6

#	ARTICLE	IF	CITATIONS
3915	Why Do the Cosmic Rays Induce Aging?. <i>Frontiers in Physiology</i> , 2020, 11, 955.	1.3	5
3916	A Multi-Endpoint Approach to Base Excision Repair Incision Activity Augmented by PARylation and DNA Damage Levels in Mice: Impact of Sex and Age. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6600.	1.8	7
3917	Immunosenescence is both functional/adaptive and dysfunctional/maladaptive. <i>Seminars in Immunopathology</i> , 2020, 42, 521-536.	2.8	56
3918	CDK4/6 inhibitors: a novel strategy for tumor radiosensitization. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 188.	3.5	35
3919	Exercise enhances mitochondrial fission and mitophagy to improve myopathy following critical limb ischemia in elderly mice via the PGC1 α /FNDC5/irisin pathway. <i>Skeletal Muscle</i> , 2020, 10, 25.	1.9	31
3920	Age-dependent decline in stress response capacity revealed by proteins dynamics analysis. <i>Scientific Reports</i> , 2020, 10, 15211.	1.6	21
3921	Functional changes in beta cells during ageing and senescence. <i>Diabetologia</i> , 2020, 63, 2022-2029.	2.9	41
3922	The Importance of Redox Status in the Frame of Lifestyle Approaches and the Genetics of the Lung Innate Immune Molecules, SP-A1 and SP-A2, on Differential Outcomes of COVID-19 Infection. <i>Antioxidants</i> , 2020, 9, 784.	2.2	14
3923	Telomere length: how the length makes a difference. <i>Molecular Biology Reports</i> , 2020, 47, 7181-7188.	1.0	54
3924	Heterochromatin: an epigenetic point of view in aging. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1466-1474.	3.2	78
3925	Arthritis and the role of endogenous glucocorticoids. <i>Bone Research</i> , 2020, 8, 33.	5.4	32
3926	The neuromuscular junction is a focal point of mTORC1 signaling in sarcopenia. <i>Nature Communications</i> , 2020, 11, 4510.	5.8	98
3927	The hidden ageing costs of sperm competition. <i>Ecology Letters</i> , 2020, 23, 1573-1588.	3.0	30
3928	Determinants of telomere length across human tissues. <i>Science</i> , 2020, 369, .	6.0	257
3929	The Target of Rapamycin Signalling Pathway in Ageing and Lifespan Regulation. <i>Genes</i> , 2020, 11, 1043.	1.0	59
3930	In Vivo Anti-Inflammatory Effects and Related Mechanisms of Processed Egg Yolk, a Potential Anti-Inflammaging Dietary Supplement. <i>Nutrients</i> , 2020, 12, 2699.	1.7	3
3931	Three-dimensional facial-image analysis to predict heterogeneity of the human ageing rate and the impact of lifestyle. <i>Nature Metabolism</i> , 2020, 2, 946-957.	5.1	45
3932	Moderate Fever Cycles as a Potential Mechanism to Protect the Respiratory System in COVID-19 Patients. <i>Frontiers in Medicine</i> , 2020, 7, 564170.	1.2	24

#	ARTICLE	IF	CITATIONS
3933	Etiology of posterior subcapsular cataracts based on a review of risk factors including aging, diabetes, and ionizing radiation. <i>International Journal of Radiation Biology</i> , 2020, 96, 1339-1361.	1.0	34
3934	Comparative transcriptome analysis of Parkinson's disease and Hutchinson-Gilford progeria syndrome reveals shared susceptible cellular network processes. <i>BMC Medical Genomics</i> , 2020, 13, 114.	0.7	2
3935	Development of tooth regenerative medicine strategies by controlling the number of teeth using targeted molecular therapy. <i>Inflammation and Regeneration</i> , 2020, 40, 21.	1.5	9
3936	Ageing trajectories of health's longitudinal opportunities and synergies (ATHLOS) Healthy Ageing Scale in adults from 16 international cohorts representing 38 countries worldwide. <i>Journal of Epidemiology and Community Health</i> , 2020, 74, jech-2020-214496.	2.0	6
3937	Comment on: "Mitochondrial Mechanisms of Neuromuscular Junction Degeneration with Aging. <i>Cells</i> 2020, 9, 197". <i>Cells</i> , 2020, 9, 1796.	1.8	1
3938	PET Imaging of Mitochondrial Function in the Living Brain. , 0, , .		1
3939	Age-Related Deterioration of Mitochondrial Function in the Intestine. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	11
3940	Organismal Protein Homeostasis Mechanisms. <i>Genetics</i> , 2020, 215, 889-901.	1.2	29
3941	Human ESCs EVs alleviate age-related bone loss by rejuvenating senescent bone marrow-derived mesenchymal stem cells. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1800971.	5.5	41
3942	Prospectively Reallocating Sedentary Time: Associations with Cardiometabolic Health. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 844-850.	0.2	13
3943	Telomeres and Telomerase Activity in the Human Placenta. , 0, , .		3
3944	Biological and Functional Biomarkers of Aging: Definition, Characteristics, and How They Can Impact Everyday Cancer Treatment. <i>Current Oncology Reports</i> , 2020, 22, 115.	1.8	32
3945	Diurnal, metabolic and thermogenic alterations in a murine model of accelerated aging. <i>Chronobiology International</i> , 2020, 37, 1119-1139.	0.9	7
3946	Reproductive potential does not cause loss of heat shock response performance in honey bees. <i>Scientific Reports</i> , 2020, 10, 19610.	1.6	11
3947	Generating synthetic aging trajectories with a weighted network model using cross-sectional data. <i>Scientific Reports</i> , 2020, 10, 19833.	1.6	9
3948	Identification of distinct immune activation profiles in adult humans. <i>Scientific Reports</i> , 2020, 10, 20824.	1.6	4
3949	Polymerase delta-interacting protein 38 (PDIP38) modulates the stability and activity of the mitochondrial AAA+ protease CLPXP. <i>Communications Biology</i> , 2020, 3, 646.	2.0	8
3950	Senescence and Apoptosis During in vitro Embryo Development in a Bovine Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 619902.	1.8	33

#	ARTICLE	IF	CITATIONS
3951	SUMO Wrestles with Mitophagy to Extend Lifespan. <i>Rejuvenation Research</i> , 2020, 23, 527-532.	0.9	2
3952	Cruciferous vegetables: rationale for exploring potential salutary effects of sulforaphane-rich foods in patients with chronic kidney disease. <i>Nutrition Reviews</i> , 2021, 79, 1204-1224.	2.6	28
3953	Effect of Age and Lipoperoxidation in Rat and Human Adipose Tissue-Derived Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	8
3954	The effects of everyday-life exposure to polycyclic aromatic hydrocarbons on biological age indicators. <i>Environmental Health</i> , 2020, 19, 128.	1.7	24
3955	Non-genetic Heterogeneity of Macrophages in Diseases—A Medical Perspective. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 613116.	1.8	10
3956	A Plasma Proteomic Signature of Skeletal Muscle Mitochondrial Function. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9540.	1.8	10
3957	Î±- and Î²-Santalols Delay Aging in <i>Caenorhabditis elegans</i> via Preventing Oxidative Stress and Protein Aggregation. <i>ACS Omega</i> , 2020, 5, 32641-32654.	1.6	22
3958	Ageing and Chronic Liver Disease. <i>Seminars in Liver Disease</i> , 2020, 40, 373-384.	1.8	21
3959	Medicine and Phlebology: Time to Change?. <i>Journal of Clinical Medicine</i> , 2020, 9, 4091.	1.0	15
3960	Beneficial Effects of Physical Activity on Subjects with Neurodegenerative Disease. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 94.	1.1	5
3961	<i>In-silico</i> screening of bioactive phytopeptides for novel anti-ageing therapeutics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 4475-4487.	2.0	3
3962	Linking ABCC6 Deficiency in Primary Human Dermal Fibroblasts of PXE Patients to p21-Mediated Premature Cellular Senescence and the Development of a Proinflammatory Secretory Phenotype. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9665.	1.8	11
3963	Non-coding RNAs as Regulators of Cellular Senescence in Idiopathic Pulmonary Fibrosis and Chronic Obstructive Pulmonary Disease. <i>Frontiers in Medicine</i> , 2020, 7, 603047.	1.2	13
3964	Does Diet Have a Role in the Treatment of Alzheimer's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 617071.	1.7	17
3965	Tissue-specific Gene Expression Changes Are Associated with Aging in Mice. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 430-442.	3.0	23
3966	The contribution of uncoupling protein 2 to mitochondrial Ca ²⁺ homeostasis in health and disease – A short revisit. <i>Mitochondrion</i> , 2020, 55, 164-173.	1.6	15
3967	Age-related changes in haematological parameters and biochemical markers of healing in the stomach of rats with acetic acid induced injury. <i>Toxicology Reports</i> , 2020, 7, 1272-1281.	1.6	6
3968	A glitch in the matrix: Age-dependent changes in the extracellular matrix facilitate common sites of metastasis. <i>Aging and Cancer</i> , 2020, 1, 19-29.	0.5	11

#	ARTICLE	IF	CITATIONS
3969	Regulatory microRNAs and vascular cognitive impairment and dementia. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 1207-1218.	1.9	14
3970	The Resistance of <i>Drosophila melanogaster</i> to Oxidative, Genotoxic, Proteotoxic, Osmotic Stress, Infection, and Starvation Depends on Age According to the Stress Factor. <i>Antioxidants</i> , 2020, 9, 1239.	2.2	14
3971	Insight into the Role of Angiopoietins in Ageing-Associated Diseases. <i>Cells</i> , 2020, 9, 2636.	1.8	21
3972	Exercise and the <i>Cisd2</i> Prolongevity Gene: Two Promising Strategies to Delay the Aging of Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9059.	1.8	11
3973	Mitochondria and Calcium Homeostasis: <i>Cisd2</i> as a Big Player in Cardiac Ageing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9238.	1.8	21
3974	Fisetin Alleviated Bleomycin-Induced Pulmonary Fibrosis Partly by Rescuing Alveolar Epithelial Cells From Senescence. <i>Frontiers in Pharmacology</i> , 2020, 11, 553690.	1.6	28
3975	Lithium and the Interplay Between Telomeres and Mitochondria in Bipolar Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 586083.	1.3	16
3976	Analysis of transcriptional modules during human fibroblast ageing. <i>Scientific Reports</i> , 2020, 10, 19086.	1.6	10
3977	Insulin Resistance at the Crossroad of Alzheimer Disease Pathology: A Review. <i>Frontiers in Endocrinology</i> , 2020, 11, 560375.	1.5	39
3978	New Insights into the Role of Histone Changes in Aging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8241.	1.8	68
3979	Current trends in the oxidative stress and ageing of social hymenopterans. <i>Advances in Insect Physiology</i> , 2020, , 43-69.	1.1	6
3980	Overexpression of regucalcin mitigates the ageing-related changes in oxidative stress and sperm quality. <i>Theriogenology</i> , 2020, 157, 472-482.	0.9	6
3981	Identification of Differential Gene Expression Pattern in Lens Epithelial Cells Derived from Cataractous and Noncataractous Lenses of Shumiya Cataract Rat. <i>BioMed Research International</i> , 2020, 2020, 1-9.	0.9	6
3982	The microbiota-gut-brain axis: Focus on the fundamental communication pathways. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 176, 43-110.	0.9	35
3983	Genetic and environmental causes of variation in epigenetic aging across the lifespan. <i>Clinical Epigenetics</i> , 2020, 12, 158.	1.8	33
3984	Glyoxalase System as a Therapeutic Target against Diabetic Retinopathy. <i>Antioxidants</i> , 2020, 9, 1062.	2.2	23
3985	Mathematical Connection between Short Telomere Induced Senescence Calculation and Mortality Rate Data. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7959.	1.8	2
3986	The role of inflammaging and advanced glycation end products on paratonia in patients with dementia. <i>Experimental Gerontology</i> , 2020, 142, 111125.	1.2	7

#	ARTICLE	IF	CITATIONS
3987	Autophagic receptor p62 protects against glycation-derived toxicity and enhances viability. <i>Aging Cell</i> , 2020, 19, e13257.	3.0	27
3988	The future of skin tightening: Mechanical or biological?. <i>Dermatological Reviews</i> , 2020, 1, 128-137.	0.3	2
3989	Gender Differences in the Associations Between Forms of Social Engagements and Loneliness in a Sample of Nigerian Older Adults: A Cross-Sectional Survey. <i>Psychological Studies</i> , 2020, 65, 370-380.	0.5	4
3990	Autofluorescence-based sorting removes senescent cells from mesenchymal stromal cell cultures. <i>Scientific Reports</i> , 2020, 10, 19084.	1.6	11
3991	SARS-CoV-2 and mitochondrial health: implications of lifestyle and ageing. <i>Immunity and Ageing</i> , 2020, 17, 33.	1.8	46
3992	The Future of Childhood Cancer Survivorship. <i>Pediatric Clinics of North America</i> , 2020, 67, 1237-1251.	0.9	17
3993	Differences in biomarkers and molecular pathways according to age for patients with HF _r EF. <i>Cardiovascular Research</i> , 2021, 117, 2228-2236.	1.8	8
3994	Systemic Delivery Technologies in Anti-Aging Medicine: Methods and Applications. <i>Healthy Ageing and Longevity</i> , 2020, , .	0.2	2
3995	Molecular changes in glaucomatous trabecular meshwork. Correlations with retinal ganglion cell death and novel strategies for neuroprotection. <i>Progress in Brain Research</i> , 2020, 256, 151-188.	0.9	7
3996	New Insights into the Implication of Mitochondrial Dysfunction in Tissue, Peripheral Blood Mononuclear Cells, and Platelets during Lung Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 1253.	1.0	9
3997	Molecular basis of ageing in chronic metabolic diseases. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 1373-1389.	1.8	50
3998	Inflamm-aging: Why older men are the most susceptible to SARS-CoV-2 complicated outcomes. <i>Cytokine and Growth Factor Reviews</i> , 2020, 53, 33-37.	3.2	146
3999	NADPH oxidases: Pathophysiology and therapeutic potential in age-associated pulmonary fibrosis. <i>Redox Biology</i> , 2020, 33, 101541.	3.9	36
4000	The gut microbiome and frailty. <i>Translational Research</i> , 2020, 221, 23-43.	2.2	22
4001	Proteomics illuminates fat as key tissue in aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10111-10112.	3.3	1
4002	A β -galactosidase kiss of death for senescent cells. <i>Cell Research</i> , 2020, 30, 556-557.	5.7	4
4003	Determinants of accelerated metabolomic and epigenetic aging in a UK cohort. <i>Aging Cell</i> , 2020, 19, e13149.	3.0	95
4004	Immunosenescence in chronic HIV infected patients impairs essential functions of their natural killer cells. <i>International Immunopharmacology</i> , 2020, 84, 106568.	1.7	6

#	ARTICLE	IF	CITATIONS
4005	Gait Analysis of Patients After Allogeneic Hematopoietic Cell Transplantation Reveals Impairments of Functional Performance. <i>Integrative Cancer Therapies</i> , 2020, 19, 153473542091578.	0.8	6
4006	Biological Aging and the Cellular Pathogenesis of Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2020, 9, 115-128.	0.9	24
4007	A nonrandomized study of single oral supplementation within the daily tolerable upper level of nicotinamide affects blood nicotinamide and NAD ⁺ levels in healthy subjects. <i>Translational Medicine of Aging</i> , 2020, 4, 45-54.	0.6	8
4008	HDAC1 modulates OGG1-initiated oxidative DNA damage repair in the aging brain and Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 2484.	5.8	107
4009	Efficacy of dietary odd-chain saturated fatty acid pentadecanoic acid parallels broad associated health benefits in humans: could it be essential?. <i>Scientific Reports</i> , 2020, 10, 8161.	1.6	97
4010	Dichotomy between the transcriptomic landscape of naturally versus accelerated aged murine hearts. <i>Scientific Reports</i> , 2020, 10, 8136.	1.6	1
4011	ZKSCAN3 counteracts cellular senescence by stabilizing heterochromatin. <i>Nucleic Acids Research</i> , 2020, 48, 6001-6018.	6.5	54
4012	Telomerase Gene Editing in the Neural Stem Cells in vivo as a Possible New Approach against Brain Aging. <i>Russian Journal of Genetics</i> , 2020, 56, 387-401.	0.2	1
4013	Adaptation of the master antioxidant response connects metabolism, lifespan and feather development pathways in birds. <i>Nature Communications</i> , 2020, 11, 2476.	5.8	34
4014	Additional taxonomic coverage of the doubly uniparental inheritance in bivalves: Evidence of sex-linked heteroplasmy in the razor clam <i>Solen marginatus</i> Pulteney, 1799, but not in the lagoon cockle <i>Cerastoderma glaucum</i> (Bruguière, 1789). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 561-570.	0.6	6
4015	The inherent challenges of classifying senescence response. <i>Science</i> , 2020, 368, 595-596.	6.0	5
4016	Fernblock® Upregulates NRF2 Antioxidant Pathway and Protects Keratinocytes from PM2.5-Induced Xenotoxic Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	11
4017	Dual Role of Autophagy in Regulation of Mesenchymal Stem Cell Senescence. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 276.	1.8	36
4018	Mesenchymal Stem/Stromal Cell-Derived Exosomes for Immunomodulatory Therapeutics and Skin Regeneration. <i>Cells</i> , 2020, 9, 1157.	1.8	270
4019	Platelet Activation Is Triggered by Factors Secreted by Senescent Endothelial HMEC-1 Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3287.	1.8	16
4020	Functional alterations and transcriptomic changes during zebrafish cardiac aging. <i>Biogerontology</i> , 2020, 21, 637-652.	2.0	10
4021	Early ageing after cytotoxic treatment for testicular cancer and cellular senescence: Time to act. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 151, 102963.	2.0	12
4022	Effects of female body size and age and male mating status on male combat in <i>Anastatus disparis</i> (Hymenoptera: Eupelmidae). <i>Ecological Entomology</i> , 2020, 45, 1071-1079.	1.1	4

#	ARTICLE	IF	CITATIONS
4023	FOXO1 deficiency impairs proteostasis in aged T cells. <i>Science Advances</i> , 2020, 6, eaba1808.	4.7	33
4024	Age-related increase of kynurenine enhances miR29b-1-5p to decrease both CXCL12 signaling and the epigenetic enzyme Hdac3 in bone marrow stromal cells. <i>Bone Reports</i> , 2020, 12, 100270.	0.2	17
4025	CD4+ T Cells at the Center of Inflammaging. <i>Cell Metabolism</i> , 2020, 32, 4-5.	7.2	16
4026	Comprehensive analysis of posttranslational protein modifications in aging of subcellular compartments. <i>Scientific Reports</i> , 2020, 10, 7596.	1.6	32
4027	Anti-aging role of Chinese herbel medicine: an overview of scientific evidence from 2008 to 2018. <i>Annals of Palliative Medicine</i> , 2020, 9, 1230-1248.	0.5	10
4028	Protective mechanism against age-associated changes in the peripheral nerves. <i>Life Sciences</i> , 2020, 253, 117744.	2.0	3
4029	Skin and pollution: the smart nano-based cosmeceutical-tissues to save the planetâ€™ ecosystem. , 2020, , 287-303.		0
4030	An Optimized Competitive-Aging Method Reveals Gene-Drug Interactions Underlying the Chronological Lifespan of <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Genetics</i> , 2020, 11, 468.	1.1	9
4031	Genetics of premature ovarian insufficiency. , 2020, , 173-199.		1
4032	Keap1 governs ageing-induced protein aggregation in endothelial cells. <i>Redox Biology</i> , 2020, 34, 101572.	3.9	16
4033	Cardiomyocyte Contractility and Autophagy in a Premature Senescence Model of Cardiac Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	13
4034	How can aging be reversed? Exploring rejuvenation from a damageâ€based perspective. <i>Genetics & Genomics Next</i> , 2020, 1, e10025.	0.8	5
4035	A molecular perspective on age-dependent changes to the heat shock axis. <i>Experimental Gerontology</i> , 2020, 137, 110969.	1.2	15
4036	Long-lived post-mitotic cell aging: is a telomere clock at play?. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111256.	2.2	15
4037	TRAP1: A Metabolic Hub Linking Aging Pathophysiology to Mitochondrial S-Nitrosylation. <i>Frontiers in Physiology</i> , 2020, 11, 340.	1.3	7
4038	Restoring aged stem cell functionality: Current progress and future directions. <i>Stem Cells</i> , 2020, 38, 1060-1077.	1.4	25
4040	Notch1 signaling mediated dysfunction of bone marrow mesenchymal stem cells derived from cyanotic congenital heart disease. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 847-853.	1.0	3
4041	The altered expression of telomerase components and telomere-linked proteins may associate with ovarian aging in mouse. <i>Experimental Gerontology</i> , 2020, 138, 110975.	1.2	14

#	ARTICLE	IF	CITATIONS
4042	Frailty syndrome, biomarkers and environmental factors – A pilot study. <i>Toxicology Letters</i> , 2020, 330, 14-22.	0.4	10
4043	SKN-1 is involved in combination of apple peels and blueberry extracts synergistically protecting against oxidative stress in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2020, 11, 5409-5419.	2.1	16
4044	Extreme disruption of heterochromatin is required for accelerated hematopoietic aging. <i>Blood</i> , 2020, 135, 2049-2058.	0.6	22
4045	Generalization of diffusion magnetic resonance imaging-based brain age prediction model through transfer learning. <i>NeuroImage</i> , 2020, 217, 116831.	2.1	39
4046	Changes in the Oligodendrocyte Progenitor Cell Proteome with Ageing. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1281-1302.	2.5	53
4047	Interaction between RECQL4 and OGG1 promotes repair of oxidative base lesion 8-oxoG and is regulated by SIRT1 deacetylase. <i>Nucleic Acids Research</i> , 2020, 48, 6530-6546.	6.5	17
4048	Ageing-induced IL27Ra signaling impairs hematopoietic stem cells. <i>Blood</i> , 2020, 136, 183-198.	0.6	53
4049	Functional changes induced by caloric restriction in cardiac and skeletal muscle mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2020, 52, 269-277.	1.0	18
4050	Insulin resistance, dementia, and depression. , 2020, , 349-384.		0
4051	The quest to slow ageing through drug discovery. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 513-532.	21.5	260
4052	CCR3 antagonist protects against induced cellular senescence and promotes rejuvenation in periodontal ligament cells for stimulating pulp regeneration in the aged dog. <i>Scientific Reports</i> , 2020, 10, 8631.	1.6	8
4053	DNA damage invokes mitophagy through a pathway involving Spata18. <i>Nucleic Acids Research</i> , 2020, 48, 6611-6623.	6.5	31
4054	Altered glucocorticoid metabolism represents a feature of macrophage ageing. <i>Aging Cell</i> , 2020, 19, e13156.	3.0	24
4055	Link between increased cellular senescence and extracellular matrix changes in COPD. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L48-L60.	1.3	36
4056	Unveiling the Role of Inflammation and Oxidative Stress on Age-Related Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	1.9	90
4057	Sex Differences in Progression of Diabetic Cardiomyopathy in OVE26 Type 1 Diabetic Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	5
4058	Social determinants of late-life depression epigenetics. <i>Epigenomics</i> , 2020, 12, 559-562.	1.0	10
4059	The Influence of Physical Activity and Epigenomics On Cognitive Function and Brain Health in Breast Cancer. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 123.	1.7	8

#	ARTICLE	IF	CITATIONS
4060	Protein Phase Separation during Stress Adaptation and Cellular Memory. <i>Cells</i> , 2020, 9, 1302.	1.8	20
4061	Molecular Chaperones and Proteolytic Machineries Regulate Protein Homeostasis in Aging Cells. <i>Cells</i> , 2020, 9, 1308.	1.8	25
4062	Transposable elements, circular RNAs and mitochondrial transcription in age-related genomic regulation. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	25
4063	Impaired peroxisomal import in <i>Drosophila</i> oenocytes causes cardiac dysfunction by inducing upd3 as a peroxikine. <i>Nature Communications</i> , 2020, 11, 2943.	5.8	21
4064	Mitochondrial cross-compartmental signalling to maintain proteostasis and longevity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190414.	1.8	8
4065	Overexpression of Nicotinamide phosphoribosyltransferase in mouse cells confers protective effect against oxidative and ER stress-induced premature senescence. <i>Genes To Cells</i> , 2020, 25, 593-602.	0.5	5
4066	Increased glucocorticoid concentrations in early life cause mitochondrial inefficiency and short telomeres. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	53
4067	Insights into the Conserved Regulatory Mechanisms of Human and Yeast Aging. <i>Biomolecules</i> , 2020, 10, 882.	1.8	15
4068	Chronic Inflammation in the Context of Everyday Life: Dietary Changes as Mitigating Factors. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4135.	1.2	67
4069	Hallmarks of aging <i>Drosophila</i> intestinal stem cells. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111285.	2.2	25
4070	Influence of Long-Term Fasting on Blood Redox Status in Humans. <i>Antioxidants</i> , 2020, 9, 496.	2.2	27
4071	Plasma Therapies and Parabiosis in the COVID-19 Era. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 994-995.	1.2	2
4072	Telomere transcription in ageing. <i>Ageing Research Reviews</i> , 2020, 62, 101115.	5.0	44
4073	Small Extracellular Vesicles Have GST Activity and Ameliorate Senescence-Related Tissue Damage. <i>Cell Metabolism</i> , 2020, 32, 71-86.e5.	7.2	100
4074	Treating age-related multimorbidity: the drug discovery challenge. <i>Drug Discovery Today</i> , 2020, 25, 1403-1415.	3.2	21
4075	Negligible senescence: An economic life cycle model for the future. <i>Journal of Economic Behavior and Organization</i> , 2020, 171, 264-285.	1.0	4
4076	Sprint and endurance training in relation to redox balance, inflammatory status and biomarkers of aging in master athletes. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 102, 42-51.	1.2	24
4077	Cellular senescence in age-related disorders. <i>Translational Research</i> , 2020, 226, 96-104.	2.2	35

#	ARTICLE	IF	CITATIONS
4078	Towards a Redefinition of Cognitive Frailty. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 831-843.	1.2	27
4079	Retinal and Brain Organoids: Bridging the Gap Between in vivo Physiology and in vitro Micro-Physiology for the Study of Alzheimer's Diseases. <i>Frontiers in Neuroscience</i> , 2020, 14, 655.	1.4	16
4080	Composition of <i>Caenorhabditis elegans</i> extracellular vesicles suggests roles in metabolism, immunity, and aging. <i>GeroScience</i> , 2020, 42, 1133-1145.	2.1	15
4081	Age-related factors that affect B cell responses to vaccination in mice and humans. <i>Immunological Reviews</i> , 2020, 296, 142-154.	2.8	29
4082	Age-Related Variation of Bacterial and Fungal Communities in Different Body Habitats across the Young, Elderly, and Centenarians in Sardinia. <i>MSphere</i> , 2020, 5, .	1.3	45
4083	A Tale of Two Proteolytic Machines: Matrix Metalloproteinases and the Ubiquitin-Proteasome System in Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3878.	1.8	11
4084	Recent Advances in Molecular Basis of Lung Aging and Its Associated Diseases. <i>Tuberculosis and Respiratory Diseases</i> , 2020, 83, 107.	0.7	5
4085	Reduced telomere shortening in lifelong trained male football players compared to age-matched inactive controls. <i>Progress in Cardiovascular Diseases</i> , 2020, 63, 738-749.	1.6	13
4086	Classical and Nonclassical Intercellular Communication in Senescence and Ageing. <i>Trends in Cell Biology</i> , 2020, 30, 628-639.	3.6	109
4087	Potential implications of polyphenols on aging considering oxidative stress, inflammation, autophagy, and gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 2175-2193.	5.4	86
4088	Cycloastragenol prevents age-related bone loss: Evidence in d-galactose-treated and aged rats. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110304.	2.5	19
4089	Circadian Regulation of Adult Stem Cell Homeostasis and Aging. <i>Cell Stem Cell</i> , 2020, 26, 817-831.	5.2	49
4090	Prevention of tumor risk associated with the reprogramming of human pluripotent stem cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 100.	3.5	44
4091	Exponential increase in mortality with age is a generic property of a simple model system of damage accumulation and death. <i>PLoS ONE</i> , 2020, 15, e0233384.	1.1	14
4092	Comparison of Phytochemicals, Antioxidant, and In Vitro Anti-Alzheimer Properties of Twenty-Seven <i>Morus</i> spp. Cultivated in Thailand. <i>Molecules</i> , 2020, 25, 2600.	1.7	15
4093	SIRT7 antagonizes human stem cell aging as a heterochromatin stabilizer. <i>Protein and Cell</i> , 2020, 11, 483-504.	4.8	85
4094	Pregnancy as a model for aging. <i>Ageing Research Reviews</i> , 2020, 62, 101093.	5.0	20
4095	New methodologies in ageing research. <i>Ageing Research Reviews</i> , 2020, 62, 101094.	5.0	7

#	ARTICLE	IF	CITATIONS
4096	The impact of ageing on lipid-mediated regulation of adult stem cell behavior and tissue homeostasis. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111278.	2.2	8
4097	Optimization and mechanism of postponing aging of polysaccharides from Chinese herbal medicine formula. <i>Toxicology Research</i> , 2020, 9, 239-248.	0.9	3
4098	Blood mitochondrial DNA as a biomarker of clinical outcomes in idiopathic pulmonary fibrosis. <i>European Respiratory Journal</i> , 2020, 56, 2001769.	3.1	2
4099	Cell signaling and the aging of B cells. <i>Experimental Gerontology</i> , 2020, 138, 110985.	1.2	6
4100	Frailty, a multisystem ageing syndrome. <i>Age and Ageing</i> , 2020, 49, 758-763.	0.7	61
4101	COVID-19 and Crosstalk With the Hallmarks of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e34-e41.	1.7	73
4102	Age-associated genes in human mammary gland drive human breast cancer progression. <i>Breast Cancer Research</i> , 2020, 22, 64.	2.2	20
4103	3D Immunocompetent Organ-on-a-Chip Models. <i>Small Methods</i> , 2020, 4, 2000235.	4.6	40
4104	Associations between the serum levels of selected bone turnover markers and biological traits in nursing home women aged 80+ without inflammation. A pilot study. <i>Experimental Gerontology</i> , 2020, 137, 110970.	1.2	0
4105	First-generation species-selective chemical probes for fluorescence imaging of human senescence-associated β -galactosidase. <i>Chemical Science</i> , 2020, 11, 7292-7301.	3.7	55
4106	Aortic remodeling is modest and sex-independent in mice when hypertension is superimposed on aging. <i>Journal of Hypertension</i> , 2020, 38, 1312-1321.	0.3	21
4107	Expression and functional analysis of the Akt gene from <i>Daphnia pulex</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 248-249, 110462.	0.7	1
4108	In Vitro Toxicity, Antioxidant, Anti-Inflammatory, and Antidiabetic Potential of <i>Sphaerostephanos unitus</i> (L.) Holttum. <i>Antibiotics</i> , 2020, 9, 333.	1.5	13
4109	Augmentation of Bone Regeneration by Depletion of Stress-Induced Senescent Cells Using Catechin and Senolytics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4213.	1.8	15
4110	Mitochondrial Dysfunction as a Key Event during Aging: From Synaptic Failure to Memory Loss. , 0, , .		7
4111	NRF2 pathway activation by KEAP1 inhibition attenuates the manifestation of aging phenotypes in salivary glands. <i>Redox Biology</i> , 2020, 36, 101603.	3.9	20
4112	Calorie Restriction and Aging in Humans. <i>Annual Review of Nutrition</i> , 2020, 40, 105-133.	4.3	102
4113	Blood-derived DNA methylation predictors of mortality discriminate tumor and healthy tissue in multiple organs. <i>Molecular Oncology</i> , 2020, 14, 2111-2123.	2.1	7

#	ARTICLE	IF	CITATIONS
4114	Does calorie restriction improve cognition?. <i>IBRO Reports</i> , 2020, 9, 37-45.	0.3	19
4115	Evaluation of Lanthanide-Doped Upconverting Nanoparticles for in Vitro and in Vivo Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 4358-4369.	2.3	18
4116	MicroRNAs in hematopoietic stem cell aging. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111281.	2.2	9
4117	Aggresome-Like Formation Promotes Resistance to Proteotoxicity in Cells from Long-Lived Species. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1439-1447.	1.7	7
4118	In Vivo Quasi-Elastic Light Scattering Eye Scanner Detects Molecular Aging in Humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e53-e62.	1.7	5
4119	Aging - Oxidative stress, antioxidants and computational modeling. <i>Heliyon</i> , 2020, 6, e04107.	1.4	91
4120	Mesenchymal Stem Cell Senescence and Rejuvenation: Current Status and Challenges. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 364.	1.8	80
4121	The Human Body as a Super Network: Digital Methods to Analyze the Propagation of Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 136.	1.7	24
4122	Pro-Senescence and Anti-Senescence Mechanisms of Cardiovascular Aging: Cardiac MicroRNA Regulation of Longevity Drug-Induced Autophagy. <i>Frontiers in Pharmacology</i> , 2020, 11, 774.	1.6	18
4123	Pathogenesis of chronic heart failure: cardiovascular aging, risk factors, comorbidities, and disease modifiers. <i>Heart Failure Reviews</i> , 2022, 27, 337-344.	1.7	46
4124	Stochastic non-enzymatic modification of long-lived macromolecules - A missing hallmark of aging. <i>Ageing Research Reviews</i> , 2020, 62, 101097.	5.0	36
4125	The circuitry between ribosome biogenesis and translation in stem cell function and ageing. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111282.	2.2	9
4126	Tryptophan Metabolites Along the Microbiota-Gut-Brain Axis: An Interkingdom Communication System Influencing the Gut in Health and Disease. <i>International Journal of Tryptophan Research</i> , 2020, 13, 117864692092898.	1.0	111
4127	The effect of age on the microarchitecture and profile of gene expression in femoral head and neck bone from patients with osteoarthritis. <i>Bone Reports</i> , 2020, 13, 100287.	0.2	2
4128	The aging transcriptome: read between the lines. <i>Current Opinion in Neurobiology</i> , 2020, 63, 170-175.	2.0	18
4129	The crosstalk between cellular reprogramming and senescence in aging and regeneration. <i>Experimental Gerontology</i> , 2020, 138, 111005.	1.2	13
4130	Germline mutation rates in young adults predict longevity and reproductive lifespan. <i>Scientific Reports</i> , 2020, 10, 10001.	1.6	16
4131	Blood Serum Stimulates p38-Mediated Proliferation and Changes in Global Gene Expression of Adult Human Cardiac Stem Cells. <i>Cells</i> , 2020, 9, 1472.	1.8	13

#	ARTICLE	IF	CITATIONS
4132	Circulating anti-geronic factors from heterochronic parabionts promote vascular rejuvenation in aged mice: transcriptional footprint of mitochondrial protection, attenuation of oxidative stress, and rescue of endothelial function by young blood. <i>GeroScience</i> , 2020, 42, 727-748.	2.1	39
4133	Aerobic Exercise Training Induces the Mitonuclear Imbalance and UPRmt in the Skeletal Muscle of Aged Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2258-2261.	1.7	32
4134	The involvement of stress granules in aging and aging-associated diseases. <i>Aging Cell</i> , 2020, 19, e13136.	3.0	68
4135	Potential therapeutic target for aging and age-related neurodegenerative diseases: the role of acid sphingomyelinase. <i>Experimental and Molecular Medicine</i> , 2020, 52, 380-389.	3.2	38
4136	Aging and age-related health effects of ionizing radiation. <i>Radiation Medicine and Protection</i> , 2020, 1, 15-23.	0.4	24
4137	Remodeling of the H3 nucleosomal landscape during mouse aging. <i>Translational Medicine of Aging</i> , 2020, 4, 22-31.	0.6	22
4138	D609 protects retinal pigmented epithelium as a potential therapy for age-related macular degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 20.	7.1	18
4139	Accelerated immunosenescence in rheumatoid arthritis: impact on clinical progression. <i>Immunity and Ageing</i> , 2020, 17, 6.	1.8	47
4140	Lipid Mediated Regulation of Adult Stem Cell Behavior. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 115.	1.8	66
4141	Sleep and ageing: from human studies to rodent models. <i>Current Opinion in Physiology</i> , 2020, 15, 210-216.	0.9	13
4142	Editorial: Autophagy and Ageing: Ideas, Methods, Molecules. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 141.	1.8	2
4143	MicroRNAs in the Functional Defects of Skin Aging. , 0, , .		2
4144	Cellular Senescence as a Therapeutic Target for Age-Related Diseases: A Review. <i>Advances in Therapy</i> , 2020, 37, 1407-1424.	1.3	53
4145	Inter-Organellar Membrane Contact Sites and Mitochondrial Quality Control during Aging: A Geroscience View. <i>Cells</i> , 2020, 9, 598.	1.8	23
4146	Mesenchymal Stem Cell Derived Extracellular Vesicles in Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 107.	1.8	60
4147	DNA Methylation Biomarkers in Aging and Age-Related Diseases. <i>Frontiers in Genetics</i> , 2020, 11, 171.	1.1	149
4148	Dynamic Signatures of the Epigenome: Friend or Foe?. <i>Cells</i> , 2020, 9, 653.	1.8	17
4149	Oxidative Stress in Pulmonary Fibrosis. , 2020, 10, 509-547.		127

#	ARTICLE	IF	CITATIONS
4150	Cut microbiota and aging-A focus on centenarians. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165765.	1.8	45
4151	The role of cellular senescence in ageing and endocrine disease. <i>Nature Reviews Endocrinology</i> , 2020, 16, 263-275.	4.3	276
4152	Inhibition of histone acetyltransferase GCN5 extends lifespan in both yeast and human cell lines. <i>Aging Cell</i> , 2020, 19, e13129.	3.0	27
4153	A widespread family of heat-resistant obscure (Hero) proteins protect against protein instability and aggregation. <i>PLoS Biology</i> , 2020, 18, e3000632.	2.6	51
4154	Intestine-to-Germline Transmission of Epigenetic Information Intergenerationally Ensures Systemic Stress Resistance in <i>C.Ælegans</i> . <i>Cell Reports</i> , 2020, 30, 3207-3217.e4.	2.9	18
4155	Can miR-34a be suitable for monitoring sensorineural hearing loss in patients with mitochondrial disease? A case series. <i>International Journal of Neuroscience</i> , 2020, 130, 1272-1277.	0.8	1
4156	HSP70 Inhibition Leads to the Activation of Proteasomal System under Mild Hyperthermia Conditions in Young and Senescent Fibroblasts. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	11
4157	Skeletal Muscle Extracellular Matrix “What Do We Know About Its Composition, Regulation, and Physiological Roles? A Narrative Review. <i>Frontiers in Physiology</i> , 2020, 11, 253.	1.3	214
4158	Molecular mechanism of curcumin action in signaling pathways: Review of the latest research. <i>Phytotherapy Research</i> , 2020, 34, 1992-2005.	2.8	90
4159	Meta-analysis of human prefrontal cortex reveals activation of GFAP and decline of synaptic transmission in the aging brain. <i>Acta Neuropathologica Communications</i> , 2020, 8, 26.	2.4	35
4160	Evolutionary Conservation of Transcription Factors Affecting Longevity. <i>Trends in Genetics</i> , 2020, 36, 373-382.	2.9	19
4161	Integration of Enzymatic Labeling with Single-Molecule Detection for Sensitive Quantification of Diverse DNA Damages. <i>Analytical Chemistry</i> , 2020, 92, 4700-4706.	3.2	16
4162	The sciences of healthy aging await a theory of health. <i>Biogerontology</i> , 2020, 21, 399-409.	2.0	7
4163	Using Sox2 to alleviate the hallmarks of age-related hearing loss. <i>Ageing Research Reviews</i> , 2020, 59, 101042.	5.0	24
4164	Proteomic signatures of in vivo muscle oxidative capacity in healthy adults. <i>Aging Cell</i> , 2020, 19, e13124.	3.0	13
4165	Transient non-integrative expression of nuclear reprogramming factors promotes multifaceted amelioration of aging in human cells. <i>Nature Communications</i> , 2020, 11, 1545.	5.8	183
4166	A novel tissue culture model for evaluating the effect of aging on stem cell fate in adult microvascular networks. <i>GeroScience</i> , 2020, 42, 515-526.	2.1	8
4167	SIRT7: an influence factor in healthy aging and the development of age-dependent myeloid stem-cell disorders. <i>Leukemia</i> , 2020, 34, 2206-2216.	3.3	27

#	ARTICLE	IF	CITATIONS
4168	Redox regulation of regulatory T-cell differentiation and functions. <i>Free Radical Research</i> , 2020, 54, 947-960.	1.5	10
4169	Greater Skeletal Muscle Oxidative Capacity Is Associated With Higher Resting Metabolic Rate: Results From the Baltimore Longitudinal Study of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2262-2268.	1.7	18
4170	Diet and Skin Aging—From the Perspective of Food Nutrition. <i>Nutrients</i> , 2020, 12, 870.	1.7	107
4171	Developmental exposure to cannabidiol (CBD) alters longevity and health span of zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	30
4172	Reactive oxygen species (ROS) as pleiotropic physiological signalling agents. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 363-383.	16.1	2,341
4173	Modeling and Targeting Alzheimer's Disease With Organoids. <i>Frontiers in Pharmacology</i> , 2020, 11, 396.	1.6	71
4174	Traditional and elastic resistance training enhances functionality and lipid profile in the elderly. <i>Experimental Gerontology</i> , 2020, 135, 110921.	1.2	1
4175	First evidence for STING SNP R293Q being protective regarding obesity-associated cardiovascular disease in age-advanced subjects—a cohort study. <i>Immunity and Ageing</i> , 2020, 17, 7.	1.8	22
4176	The parasitic worm product ES-62 promotes health- and life-span in a high calorie diet-accelerated mouse model of ageing. <i>PLoS Pathogens</i> , 2020, 16, e1008391.	2.1	22
4177	A roadmap to build a phenotypic metric of ageing: insights from the Baltimore Longitudinal Study of Aging. <i>Journal of Internal Medicine</i> , 2020, 287, 373-394.	2.7	86
4178	Lighting Up Live-Cell and In Vivo Central Carbon Metabolism with Genetically Encoded Fluorescent Sensors. <i>Annual Review of Analytical Chemistry</i> , 2020, 13, 293-314.	2.8	41
4179	Physical Activity and Diet Shape the Immune System during Aging. <i>Nutrients</i> , 2020, 12, 622.	1.7	102
4180	Mitochondria—Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. <i>Angewandte Chemie</i> , 2020, 132, 8776-8783.	1.6	10
4181	Mitochondrial Dysfunction in Age-Related Metabolic Disorders. <i>Proteomics</i> , 2020, 20, e1800404.	1.3	41
4182	Quantitative proteomics to study aging in rabbit liver. <i>Mechanisms of Ageing and Development</i> , 2020, 187, 111227.	2.2	9
4183	Protective effect of vitamin D on oxidative stress in elderly people. , 2020, , 337-343.		6
4184	Global transcriptomic changes occur in aged mouse podocytes. <i>Kidney International</i> , 2020, 98, 1160-1173.	2.6	23
4185	Optically Improved Mitochondrial Function Redeems Aged Human Visual Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e49-e52.	1.7	34

#	ARTICLE	IF	CITATIONS
4186	Good Cop, Bad Cop: Defining the Roles of p53 in Cancer and Aging. <i>Cancers</i> , 2020, 12, 1659.	1.7	22
4188	Cellular senescence and Alzheimer disease: the egg and the chicken scenario. <i>Nature Reviews Neuroscience</i> , 2020, 21, 433-444.	4.9	132
4189	Distal lung epithelial progenitor cell function declines with age. <i>Scientific Reports</i> , 2020, 10, 10490.	1.6	34
4190	Optimizing Skeletal Muscle Anabolic Response to Resistance Training in Aging. <i>Frontiers in Physiology</i> , 2020, 11, 874.	1.3	32
4191	The World Goes Bats: Living Longer and Tolerating Viruses. <i>Cell Metabolism</i> , 2020, 32, 31-43.	7.2	89
4192	Food and Age: It Takes Two to Degenerate. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 182.	1.7	1
4193	Biological Rhythms and Aging. , 2020, , 443-463.		0
4194	The biological age of the heart is consistently younger than chronological age. <i>Scientific Reports</i> , 2020, 10, 10752.	1.6	23
4195	Aging, Cellular Senescence, and Progressive Multiple Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 178.	1.8	39
4196	Extracellular Vesicles from Healthy Cells Improves Cell Function and Stemness in Premature Senescent Stem Cells by miR-302b and HIF-1 α Activation. <i>Biomolecules</i> , 2020, 10, 957.	1.8	35
4197	Chronic Sildenafil Treatment Improves Vasomotor Function in a Mouse Model of Accelerated Aging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4667.	1.8	10
4198	Does proteostasis get lost in translation? Implications for protein aggregation across the lifespan. <i>Ageing Research Reviews</i> , 2020, 62, 101119.	5.0	14
4199	The NLRP3 Inflammasome as a Critical Actor in the Inflammaging Process. <i>Cells</i> , 2020, 9, 1552.	1.8	33
4200	Protein Structure and Function in Aging and Age-Related Diseases. , 2020, , 3-26.		1
4201	Ageing in human parturition: impetus of the gestation clock in the decidua. <i>Biology of Reproduction</i> , 2020, 103, 695-710.	1.2	5
4202	Functional changes in decidual mesenchymal stem/stromal cells are associated with spontaneous onset of labour. <i>Molecular Human Reproduction</i> , 2020, 26, 636-651.	1.3	9
4203	Cardiolipin Synthesis in Skeletal Muscle Is Rhythmic and Modifiable by Age and Diet. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	16
4204	Single-cell transcriptomics allows novel insights into aging and circadian processes. <i>Briefings in Functional Genomics</i> , 2020, 19, 343-349.	1.3	9

#	ARTICLE	IF	CITATIONS
4205	Liver osteopontin is required to prevent the progression of age-related nonalcoholic fatty liver disease. <i>Aging Cell</i> , 2020, 19, e13183.	3.0	20
4206	Intracellular Tenofovir and Emtricitabine Concentrations in Younger and Older Women with HIV Receiving Tenofovir Disoproxil Fumarate/Emtricitabine. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	3
4207	Stress Induces Dynamic, Cytotoxicity-Antagonizing TDP-43 Nuclear Bodies via Paraspeckle LncRNA NEAT1-Mediated Liquid-Liquid Phase Separation. <i>Molecular Cell</i> , 2020, 79, 443-458.e7.	4.5	118
4208	Proteostatic stress as a nodal hallmark of replicative aging. <i>Experimental Cell Research</i> , 2020, 394, 112163.	1.2	8
4209	Epigenetic Clock: DNA Methylation in Aging. <i>Stem Cells International</i> , 2020, 2020, 1-9.	1.2	31
4210	The ageing lung under stress. <i>European Respiratory Review</i> , 2020, 29, 200126.	3.0	18
4211	Searching for the Mechanisms of Mammalian Cellular Aging Through Underlying Gene Regulatory Networks. <i>Frontiers in Genetics</i> , 2020, 11, 593.	1.1	4
4212	d-galactose: a model of accelerated ageing sufficiently sensitive to reflect preventative efficacy of an antioxidant treatment. <i>Biogerontology</i> , 2020, 21, 745-761.	2.0	3
4213	A rapid-response near-infrared fluorescent probe with a large Stokes shift for senescence-associated β -galactosidase activity detection and imaging of senescent cells. <i>Dyes and Pigments</i> , 2020, 182, 108657.	2.0	17
4214	Devilishly radical NETWORK in COVID-19: Oxidative stress, neutrophil extracellular traps (NETs), and T cell suppression. <i>Advances in Biological Regulation</i> , 2020, 77, 100741.	1.4	172
4215	Management of The Elderly Cancer Patients Complexity: The Radiation Oncology Potential. , 2020, 11, 649.		12
4216	Association of Parental Socioeconomic Status and Newborn Telomere Length. <i>JAMA Network Open</i> , 2020, 3, e204057.	2.8	41
4217	Combination of apple peel and blueberry extracts synergistically induced lifespan extension <i>via</i> DAF-16 in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2020, 11, 6170-6185.	2.1	19
4218	Genome-Protecting Compounds as Potential Geroprotectors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4484.	1.8	20
4219	An agnostic reevaluation of the amyloid cascade hypothesis of Alzheimer's disease pathogenesis: The role of APP homeostasis. <i>Alzheimer's and Dementia</i> , 2020, 16, 1582-1590.	0.4	18
4220	Redox States of Protein Cysteines in Pathways of Protein Turnover and Cytoskeleton Dynamics Are Changed with Aging and Reversed by Slc7a11 Restoration in Mouse Lung Fibroblasts. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	1.9	10
4221	Klotho and the Treatment of Human Malignancies. <i>Cancers</i> , 2020, 12, 1665.	1.7	23
4222	Carotid Disease and Ageing: A Literature Review on the Pathogenesis of Vascular Senescence in Older Subjects. <i>Current Gerontology and Geriatrics Research</i> , 2020, 2020, 1-10.	1.6	9

#	ARTICLE	IF	CITATIONS
4223	Development of a cyclophosphamide stress test to predict resilience to aging in mice. <i>GeroScience</i> , 2020, 42, 1675-1683.	2.1	3
4224	Decoy receptor 2 mediation of the senescent phenotype of tubular cells by interacting with peroxiredoxin 1 presents a novel mechanism of renal fibrosis in diabetic nephropathy. <i>Kidney International</i> , 2020, 98, 645-662.	2.6	21
4225	Aging Science Talks: The role of miR-181a in age-related loss of muscle mass and function. <i>Translational Medicine of Aging</i> , 2020, 4, 81-85.	0.6	7
4226	<i>Stem Cells and Aging</i> , 2020, , 213-234.		1
4227	<i>Interplay Between Nutrient-Sensing Molecules During Aging and Longevity</i> , 2020, , 393-417.		2
4228	What is new in the exposome?. <i>Environment International</i> , 2020, 143, 105887.	4.8	103
4229	Metformin loaded cholesterol-lysine conjugate nanoparticles: A novel approach for protecting HDFs against UVB-induced senescence. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119603.	2.6	10
4230	Hematopoietic stem cell regulation by the proteostasis network. <i>Current Opinion in Hematology</i> , 2020, 27, 254-263.	1.2	14
4231	Wandering along the epigenetic timeline. <i>Clinical Epigenetics</i> , 2020, 12, 97.	1.8	16
4232	<i>Aging, Free Radicals, and Reactive Oxygen Species: An Evolving Concept</i> , 2020, , 199-212.		1
4233	<i>Aging: Reading, Reasoning, and Resolving Using Drosophila as a Model System</i> , 2020, , 259-302.		0
4234	<i>Protein Aggregation, Related Pathologies, and Aging</i> , 2020, , 419-441.		0
4236	Uncaria tomentosa improves cognition, memory and learning in middle-aged rats. <i>Experimental Gerontology</i> , 2020, 138, 111016.	1.2	6
4237	ATM-deficient neural precursors develop senescence phenotype with disturbances in autophagy. <i>Mechanisms of Ageing and Development</i> , 2020, 190, 111296.	2.2	20
4238	Modulation of DNA Damage Response by Sphingolipid Signaling: An Interplay that Shapes Cell Fate. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4481.	1.8	11
4239	Augmented oxidative stress and reduced mitochondrial function in ageing goat testis. <i>Veterinary Medicine and Science</i> , 2020, 6, 766-774.	0.6	5
4241	An integrative view of senescence in nature. <i>Functional Ecology</i> , 2020, 34, 4-16.	1.7	45
4242	Obesity and ageing: Two sides of the same coin. <i>Obesity Reviews</i> , 2020, 21, e12991.	3.1	105

#	ARTICLE	IF	CITATIONS
4243	Antioxidant Alternatives in the Treatment of Amyotrophic Lateral Sclerosis: A Comprehensive Review. <i>Frontiers in Physiology</i> , 2020, 11, 63.	1.3	53
4244	Granulins Regulate Aging Kinetics in the Adult Zebrafish Telencephalon. <i>Cells</i> , 2020, 9, 350.	1.8	11
4245	Heat-shock proteases promote survival of <i>Pseudomonas aeruginosa</i> during growth arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4358-4367.	3.3	33
4246	Aging exacerbates high-fat diet-induced steatohepatitis through alteration in hepatic lipid metabolism in mice. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 1437-1448.	1.4	11
4247	The Importance of Stem Cell Senescence in Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1288, 87-102.	0.8	10
4248	Transcriptomic landscape, gene signatures and regulatory profile of aging in the human brain. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194491.	0.9	23
4249	Probing Pedomorphy and Prolonged Lifespan in Naked Mole-Rats and Dwarf Mice. <i>Physiology</i> , 2020, 35, 96-111.	1.6	22
4250	Skeletal muscle as an experimental model of choice to study tissue aging and rejuvenation. <i>Skeletal Muscle</i> , 2020, 10, 4.	1.9	32
4251	Extracellular Vesicles Derived from Senescent Fibroblasts Attenuate the Dermal Effect on Keratinocyte Differentiation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1022.	1.8	29
4252	Clonal hematopoiesis driven by somatic mutations: A new player in atherosclerotic cardiovascular disease. <i>Atherosclerosis</i> , 2020, 297, 120-126.	0.4	12
4253	Nrf2 in early vascular ageing: Calcification, senescence and therapy. <i>Clinica Chimica Acta</i> , 2020, 505, 108-118.	0.5	48
4254	Increased production of functional small extracellular vesicles in senescent endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4871-4876.	1.6	32
4255	Molecular Mechanisms Contributing to Mesenchymal Stromal Cell Aging. <i>Biomolecules</i> , 2020, 10, 340.	1.8	74
4256	Extra Virgin Olive Oil Polyphenols: Modulation of Cellular Pathways Related to Oxidant Species and Inflammation in Aging. <i>Cells</i> , 2020, 9, 478.	1.8	68
4257	A Quantitative Tissue-Specific Landscape of Protein Redox Regulation during Aging. <i>Cell</i> , 2020, 180, 968-983.e24.	13.5	220
4258	Vimentin Coordinates Protein Turnover at the Aggresome during Neural Stem Cell Quiescence Exit. <i>Cell Stem Cell</i> , 2020, 26, 558-568.e9.	5.2	79
4259	RTB101 and immune function in the elderly: Interpreting an unsuccessful clinical trial. <i>Translational Medicine of Aging</i> , 2020, 4, 32-34.	0.6	6
4260	Mechanical properties measured by atomic force microscopy define health biomarkers in ageing <i>C. elegans</i> . <i>Nature Communications</i> , 2020, 11, 1043.	5.8	29

#	ARTICLE	IF	CITATIONS
4261	Systemic long-term inactivation of hypoxia-inducible factor prolyl 4-hydroxylase 2 ameliorates aging-induced changes in mice without affecting their life span. <i>FASEB Journal</i> , 2020, 34, 5590-5609.	0.2	9
4262	Drivers of longitudinal telomere dynamics in a long-lived bat species, <i>Myotis myotis</i> . <i>Molecular Ecology</i> , 2020, 29, 2963-2977.	2.0	39
4263	Breaking the Glass Ceiling. <i>Gerontology</i> , 2020, 66, 309-314.	1.4	1
4264	Potential Role of Cellular Senescence in Asthma. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 59.	1.8	24
4265	Monocytes present age-related changes in phospholipid concentration and decreased energy metabolism. <i>Aging Cell</i> , 2020, 19, e13127.	3.0	42
4266	Mechanisms of Vascular Aging, A Geroscience Perspective. <i>Journal of the American College of Cardiology</i> , 2020, 75, 931-941.	1.2	137
4267	The mTOR pathway is necessary for survival of mice with short telomeres. <i>Nature Communications</i> , 2020, 11, 1168.	5.8	44
4268	Small extracellular vesicles deliver miR-21 and miR-217 as pro-senescence effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1725285.	5.5	104
4269	Medicinal Foods and Obesity. <i>Journal of Medicinal Food</i> , 2020, 23, 203-204.	0.8	1
4270	Targeting Age-Related Pathways in Heart Failure. <i>Circulation Research</i> , 2020, 126, 533-551.	2.0	111
4271	Cellular senescence: from anti-cancer weapon to anti-aging target. <i>Science China Life Sciences</i> , 2020, 63, 332-342.	2.3	29
4272	Aging and biomarkers: Transcriptional levels evaluation of Osteopontin/miRNA-181a axis in hepatic tissue of rats in different age ranges. <i>Experimental Gerontology</i> , 2020, 133, 110879.	1.2	11
4273	Implications of Oxidative Stress and Cellular Senescence in Age-Related Thymus Involution. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	36
4274	The Aging Metabolome—Biomarkers to Hub Metabolites. <i>Proteomics</i> , 2020, 20, e1800407.	1.3	58
4275	MicroRNAs, DNA damage response and ageing. <i>Biogerontology</i> , 2020, 21, 275-291.	2.0	27
4276	When function follows form: Nuclear compartment structure and the epigenetic landscape of the aging neuron. <i>Experimental Gerontology</i> , 2020, 133, 110876.	1.2	11
4277	Systems Level Understanding of Circadian Integration with Cell Physiology. <i>Journal of Molecular Biology</i> , 2020, 432, 3547-3564.	2.0	24
4278	Parkinson's disease-related Leucine-rich repeat kinase 2 modulates nuclear morphology and genomic stability in striatal projection neurons during aging. <i>Molecular Neurodegeneration</i> , 2020, 15, 12.	4.4	26

#	ARTICLE	IF	CITATIONS
4279	Hypoxia-Induced Degenerative Protein Modifications Associated with Aging and Age-Associated Disorders. , 2020, 11, 341.		28
4280	The Role of Physical Activity for the Management of Sarcopenia in People Living with HIV. International Journal of Environmental Research and Public Health, 2020, 17, 1283.	1.2	25
4281	Aging Biomarkers: From Functional Tests to Multi-omics Approaches. Proteomics, 2020, 20, e1900408.	1.3	40
4282	The Clinical Management of Clonal Hematopoiesis. Hematology/Oncology Clinics of North America, 2020, 34, 357-367.	0.9	42
4283	SIRT1 and aging related signaling pathways. Mechanisms of Ageing and Development, 2020, 187, 111215.	2.2	304
4284	Transplantation of Marginal Organs: Immunological Aspects and Therapeutic Perspectives in Kidney Transplantation. Frontiers in Immunology, 2019, 10, 3142.	2.2	20
4285	Regulation and roles of mitophagy at synapses. Mechanisms of Ageing and Development, 2020, 187, 111216.	2.2	37
4286	Biological Versus Chronological Aging. Journal of the American College of Cardiology, 2020, 75, 919-930.	1.2	212
4287	Frailtyâ€”A promising concept to evaluate disease vulnerability. Mechanisms of Ageing and Development, 2020, 187, 111217.	2.2	25
4288	Patterns of change in telomere length over the first three years of life in healthy children. Psychoneuroendocrinology, 2020, 115, 104602.	1.3	15
4289	miR-142 induces accumulation of reactive oxygen species (ROS) by inhibiting pexophagy in aged bone marrow mesenchymal stem cells. Scientific Reports, 2020, 10, 3735.	1.6	21
4290	Raspberry extract promoted longevity and stress tolerance<i>via</i>the insulin/IGF signaling pathway and DAF-16 in<i>Caenorhabditis elegans</i>. Food and Function, 2020, 11, 3598-3609.	2.1	27
4291	Testing Finch's hypothesis: The role of organismal modularity on the escape from actuarial senescence. Functional Ecology, 2020, 34, 88-106.	1.7	19
4292	<i>PCK1</i>Deficiency Shortens the Replicative Lifespan of<i>Saccharomyces cerevisiae</i>through Upregulation of<i>PFK1</i>. BioMed Research International, 2020, 2020, 1-10.	0.9	3
4293	Mitochondriaâ€”Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. Angewandte Chemie - International Edition, 2020, 59, 8698-8705.	7.2	29
4294	The crosstalk of NAD, ROS and autophagy in cellular health and ageing. Biogerontology, 2020, 21, 381-397.	2.0	27
4295	The road ahead for health and lifespan interventions. Ageing Research Reviews, 2020, 59, 101037.	5.0	76
4296	Caloric Restriction Reprograms the Single-Cell Transcriptional Landscape of Rattus Norvegicus Aging. Cell, 2020, 180, 984-1001.e22.	13.5	206

#	ARTICLE	IF	CITATIONS
4297	Attenuated regenerative properties in human periodontal ligament-derived stem cells of older donor ages with shorter telomere length and lower SSEA4 expression. <i>Cell and Tissue Research</i> , 2020, 381, 71-81.	1.5	10
4298	Tempo-spatial alternative polyadenylation analysis reveals that 3' UTR lengthening of Mdm2 regulates p53 expression and cellular senescence in aged rat testis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 523, 1046-1052.	1.0	6
4299	Partial Inhibition of RNA Polymerase I Promotes Animal Health and Longevity. <i>Cell Reports</i> , 2020, 30, 1661-1669.e4.	2.9	22
4300	Impact of calorie restriction on energy metabolism in humans. <i>Experimental Gerontology</i> , 2020, 133, 110875.	1.2	59
4301	Polyesterified Sesquiterpenoids from the Seeds of <i>Celastrus paniculatus</i> as Lifespan-Extending Agents for the Nematode <i>Caenorhabditis elegans</i> . <i>Journal of Natural Products</i> , 2020, 83, 505-515.	1.5	13
4302	Mobilization-based transplantation of young donor hematopoietic stem cells extends lifespan in mice. <i>Aging Cell</i> , 2020, 19, e13110.	3.0	13
4303	Aging-Related Molecular Pathways in Chronic Cholestatic Conditions. <i>Frontiers in Medicine</i> , 2019, 6, 332.	1.2	9
4304	Frailty and cognitive decline. <i>Translational Research</i> , 2020, 221, 58-64.	2.2	55
4305	The Exacerbation of Aging and Oxidative Stress in the Epididymis of Sod1 Null Mice. <i>Antioxidants</i> , 2020, 9, 151.	2.2	15
4306	Special issue on "Molecular genetics of aging and longevity": a critical time in the field of geroscience. <i>Human Genetics</i> , 2020, 139, 275-276.	1.8	0
4307	Tet1 Deficiency Leads to Premature Reproductive Aging by Reducing Spermatogonia Stem Cells and Germ Cell Differentiation. <i>IScience</i> , 2020, 23, 100908.	1.9	25
4308	Plant-Derived Bioactives and Oxidative Stress-Related Disorders: A Key Trend towards Healthy Aging and Longevity Promotion. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 947.	1.3	103
4309	Nutritional Status as a Mediator of Fatigue and Its Underlying Mechanisms in Older People. <i>Nutrients</i> , 2020, 12, 444.	1.7	39
4310	METABIOTICS. , 2020, , .		9
4311	Aging Increases the Severity of Colitis and the Related Changes to the Gut Barrier and Gut Microbiota in Humans and Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1284-1292.	1.7	76
4312	Two novel cases further expand the phenotype of TOR1AIP1-associated nuclear envelopathies. <i>Human Genetics</i> , 2020, 139, 483-498.	1.8	11
4313	Deacetylation of MRTF-A by SIRT1 defies senescence induced down-regulation of collagen type I in fibroblast cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165723.	1.8	23
4314	Emerging therapeutic targets for osteoporosis. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 115-130.	1.5	16

#	ARTICLE	IF	CITATIONS
4315	MicroRNA-34a causes ceramide accumulation and effects insulin signaling pathway by targeting ceramide kinase (CERK) in aging skeletal muscle. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 3070-3089.	1.2	17
4316	Identification of PIK3CA aberrations associated with telomere length in breast cancer. <i>Gene Reports</i> , 2020, 19, 100597.	0.4	3
4317	Targeting NAD ⁺ in translational research to relieve diseases and conditions of metabolic stress and ageing. <i>Mechanisms of Ageing and Development</i> , 2020, 186, 111208.	2.2	31
4318	Personal aging markers and ageotypes revealed by deep longitudinal profiling. <i>Nature Medicine</i> , 2020, 26, 83-90.	15.2	225
4319	Uncoupled inflammatory, proliferative, and cytoskeletal responses in senescent human gingival fibroblasts. <i>Journal of Periodontal Research</i> , 2020, 55, 432-440.	1.4	13
4320	Mitochondria-Associated Proteostasis. <i>Annual Review of Biophysics</i> , 2020, 49, 41-67.	4.5	49
4321	Mitochondrial Dysfunction and Ovarian Aging. <i>Endocrinology</i> , 2020, 161, .	1.4	81
4322	BCL-xL, a Mitochondrial Protein Involved in Successful Aging: From <i>C. elegans</i> to Human Centenarians. <i>International Journal of Molecular Sciences</i> , 2020, 21, 418.	1.8	26
4323	Lung epithelium damage in COPD – An unstoppable pathological event?. <i>Cellular Signalling</i> , 2020, 68, 109540.	1.7	27
4324	Hypoxia-Inducible Factor-1 α : The Master Regulator of Endothelial Cell Senescence in Vascular Aging. <i>Cells</i> , 2020, 9, 195.	1.8	47
4325	Loss of vacuolar acidity results in iron-sulfur cluster defects and divergent homeostatic responses during aging in <i>Saccharomyces cerevisiae</i> . <i>GeroScience</i> , 2020, 42, 749-764.	2.1	24
4326	Physiology and pathology of T-cell aging. <i>International Immunology</i> , 2020, 32, 223-231.	1.8	68
4327	Cellular senescence contributes to age-dependent changes in circulating extracellular vesicle cargo and function. <i>Aging Cell</i> , 2020, 19, e13103.	3.0	72
4328	The role of the microbiota in sedentary lifestyle disorders and ageing: lessons from the animal kingdom. <i>Journal of Internal Medicine</i> , 2020, 287, 271-282.	2.7	44
4329	A unified model of dementias and age-related neurodegeneration. <i>Alzheimer's and Dementia</i> , 2020, 16, 365-383.	0.4	13
4330	Kynurenine pathway, NAD ⁺ synthesis, and mitochondrial function: Targeting tryptophan metabolism to promote longevity and healthspan. <i>Experimental Gerontology</i> , 2020, 132, 110841.	1.2	127
4331	Alpha-synuclein-induced mitochondrial dysfunction is mediated via a sirtuin 3-dependent pathway. <i>Molecular Neurodegeneration</i> , 2020, 15, 5.	4.4	112
4332	A cell-based assay system for activators of the environmental cell stress response. <i>Analytical Biochemistry</i> , 2020, 592, 113583.	1.1	2

#	ARTICLE	IF	CITATIONS
4333	Metformin: An old drug against old age and associated morbidities. <i>Diabetes Research and Clinical Practice</i> , 2020, 160, 108025.	1.1	64
4334	The Ovarian Transcriptome of Reproductively Aged Multiparous Mice: Candidate Genes for Ovarian Cancer Protection. <i>Biomolecules</i> , 2020, 10, 113.	1.8	4
4335	<i>Caenorhabditis elegans</i> as a model system for human diseases. <i>Current Opinion in Biotechnology</i> , 2020, 63, 118-125.	3.3	63
4336	Natural products target the hallmarks of chronic diseases. <i>Biochemical Pharmacology</i> , 2020, 173, 113828.	2.0	19
4337	Optimizing skin pharmacotherapy for older patients: the future is at hand but are we ready for it?. <i>Drug Discovery Today</i> , 2020, 25, 851-861.	3.2	3
4338	Primordial follicle reserve, DNA damage and macrophage infiltration in the ovaries of the long-living Ames dwarf mice. <i>Experimental Gerontology</i> , 2020, 132, 110851.	1.2	15
4339	Molecular mechanisms in cognitive frailty: potential therapeutic targets for oxygen-ozone treatment. <i>Mechanisms of Ageing and Development</i> , 2020, 186, 111210.	2.2	23
4340	Impaired Myofibroblast Dedifferentiation Contributes to Nonresolving Fibrosis in Aging. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 633-644.	1.4	58
4341	Cellular Aging Characteristics and Their Association with Age-Related Disorders. <i>Antioxidants</i> , 2020, 9, 94.	2.2	22
4342	Exceptionally Long-Lived Individuals (ELLI) Demonstrate Slower Aging Rate Calculated by DNA Methylation Clocks as Possible Modulators for Healthy Longevity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 615.	1.8	18
4343	Transposable Elements Cross Kingdom Boundaries and Contribute to Inflammation and Ageing. <i>BioEssays</i> , 2020, 42, 1900197.	1.2	2
4344	Perioperative care of geriatric patients. <i>Hospital Practice (1995)</i> , 2020, 48, 26-36.	0.5	8
4345	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. <i>Genes and Development</i> , 2020, 34, 428-445.	2.7	188
4346	Reducing Hypothalamic Stem Cell Senescence Protects against Aging-Associated Physiological Decline. <i>Cell Metabolism</i> , 2020, 31, 534-548.e5.	7.2	75
4347	Augmentation of Bri2 molecular chaperone activity against amyloid- β^2 reduces neurotoxicity in mouse hippocampus in vitro. <i>Communications Biology</i> , 2020, 3, 32.	2.0	42
4348	Legume nodule senescence: a coordinated death mechanism between bacteria and plant cells. <i>Advances in Botanical Research</i> , 2020, 94, 181-212.	0.5	16
4349	The Effects of Different Quantities and Qualities of Protein Intake in People with Diabetes Mellitus. <i>Nutrients</i> , 2020, 12, 365.	1.7	30
4350	Derivation of Cell-Engineered Nanovesicles from Human Induced Pluripotent Stem Cells and Their Protective Effect on the Senescence of Dermal Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 343.	1.8	32

#	ARTICLE	IF	CITATIONS
4351	Effects of Orange Extracts on Longevity, Healthspan, and Stress Resistance in <i>Caenorhabditis elegans</i> . <i>Molecules</i> , 2020, 25, 351.	1.7	45
4352	Poor old poresâ€”The challenge of making and maintaining nuclear pore complexes in aging. <i>FEBS Journal</i> , 2020, 287, 1058-1075.	2.2	17
4353	Mitochondrial fission and fusion: A dynamic role in aging and potential target for age-related disease. <i>Mechanisms of Ageing and Development</i> , 2020, 186, 111212.	2.2	174
4354	Understanding intrinsic hematopoietic stem cell aging. <i>Haematologica</i> , 2020, 105, 22-37.	1.7	101
4355	Mosaic loss of human Y chromosome: what, how and why. <i>Human Genetics</i> , 2020, 139, 421-446.	1.8	67
4356	Retention of Somatic Memory Associated with Cell Identity, Age and Metabolism in Induced Pluripotent Stem (iPS) Cells Reprogramming. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 251-261.	1.7	18
4357	Germline stem cell aging in the <i>Drosophila</i> ovary. <i>Current Opinion in Insect Science</i> , 2020, 37, 57-62.	2.2	14
4358	Impaired lipid metabolism by age-dependent DNA methylation alterations accelerates aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4328-4336.	3.3	24
4359	Ophiopogon Saponin C1 Inhibits Lung Tumors by Stabilizing Endothelium Permeability via Inhibition of PKC β . <i>International Journal of Biological Sciences</i> , 2020, 16, 396-407.	2.6	8
4360	An Acetylation Switch of the NLRP3 Inflammasome Regulates Aging-Associated Chronic Inflammation and Insulin Resistance. <i>Cell Metabolism</i> , 2020, 31, 580-591.e5.	7.2	213
4361	Quercetin Attenuates Atherosclerosis via Modulating Oxidized LDL-Induced Endothelial Cellular Senescence. <i>Frontiers in Pharmacology</i> , 2020, 11, 512.	1.6	65
4362	The effects of environmental stressors on candidate aging associated genes. <i>Experimental Gerontology</i> , 2020, 137, 110952.	1.2	5
4363	Genetic and epigenetic stability of stem cells: Epigenetic modifiers modulate the fate of mesenchymal stem cells. <i>Genomics</i> , 2020, 112, 3615-3623.	1.3	19
4364	Systematic ageâ€“, organâ€“, and dietâ€“associated ionome remodeling and the development of ionomic aging clocks. <i>Aging Cell</i> , 2020, 19, e13119.	3.0	15
4365	3â€“UTR Shortening Contributes to Subtype-Specific Cancer Growth by Breaking Stable ceRNA Crosstalk of Housekeeping Genes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 334.	2.0	8
4366	Senescence of IPF Lung Fibroblasts Disrupt Alveolar Epithelial Cell Proliferation and Promote Migration in Wound Healing. <i>Pharmaceutics</i> , 2020, 12, 389.	2.0	30
4367	Epigenetic changes during ageing and their underlying mechanisms. <i>Biogerontology</i> , 2020, 21, 423-443.	2.0	15
4368	Raspberry extract ameliorates oxidative stress in <i>Caenorhabditis elegans</i> via the SKN-1/Nrf2 pathway. <i>Journal of Functional Foods</i> , 2020, 70, 103977.	1.6	21

#	ARTICLE	IF	CITATIONS
4369	Combined Black Rice Germ, Bran Supplement and Exercise Intervention Modulate Aging Biomarkers and Improve Physical Performance and Lower-Body Muscle Strength Parameters in Aging Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2931.	1.2	8
4370	Calcium-activated potassium channels: implications for aging and age-related neurodegeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 123, 105748.	1.2	19
4371	Sarcopenia: Current treatments and new regenerative therapeutic approaches. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 38-52.	1.9	58
4372	The mitochondrial metabolic checkpoint in stem cell aging and rejuvenation. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111254.	2.2	12
4373	Mitochondrial turnover and homeostasis in ageing and neurodegeneration. <i>FEBS Letters</i> , 2020, 594, 2370-2379.	1.3	35
4375	A multidimensional systems biology analysis of cellular senescence in aging and disease. <i>Genome Biology</i> , 2020, 21, 91.	3.8	177
4376	Pathophysiological Role of Transient Receptor Potential Mucolipin Channel 1 in Calcium-Mediated Stress-Induced Neurodegenerative Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 251.	1.3	17
4377	Advances of single-cell genomics and epigenomics in human disease: where are we now?. <i>Mammalian Genome</i> , 2020, 31, 170-180.	1.0	9
4378	Age-related decline of lymphatic drainage from the eye: A noninvasive in vivo photoacoustic tomography study. <i>Experimental Eye Research</i> , 2020, 194, 108029.	1.2	8
4379	ER stress activates immunosuppressive network: implications for aging and Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 2020, 98, 633-650.	1.7	60
4380	Long noncoding RNA Inc-RI regulates DNA damage repair and radiation sensitivity of CRC cells through NHEJ pathway. <i>Cell Biology and Toxicology</i> , 2020, 36, 493-507.	2.4	24
4381	The Evolving Complexity of Treating Hormone Receptor-Positive, Human Epidermal Growth Factor Receptor-2 (HER2)-Negative Breast Cancer: Special Considerations in Older Breast Cancer Patients Part II: Metastatic Disease. <i>Drugs and Aging</i> , 2020, 37, 349-358.	1.3	3
4382	Role of microRNAs in neurodegeneration induced by environmental neurotoxicants and aging. <i>Ageing Research Reviews</i> , 2020, 60, 101068.	5.0	25
4383	Distinct influence of the anthracycline derivative doxorubicin on the differentiation efficacy of mESC-derived endothelial progenitor cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118711.	1.9	6
4384	Systems metabolomics: from metabolomic snapshots to design principles. <i>Current Opinion in Biotechnology</i> , 2020, 63, 190-199.	3.3	36
4385	Interplay of mitochondrial fission-fusion with cell cycle regulation: Possible impacts on stem cell and organismal aging. <i>Experimental Gerontology</i> , 2020, 135, 110919.	1.2	35
4386	Aging Fits the Disease Criteria of the International Classification of Diseases. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111230.	2.2	26
4387	12 days of in vivo caloric reduction can improve important parameters of aging in humans. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111238.	2.2	4

#	ARTICLE	IF	CITATIONS
4388	Expression Levels of SMAD Specific E3 Ubiquitin Protein Ligase 2 (Smurf2) and its Interacting Partners Show Region-specific Alterations During Brain Aging. <i>Neuroscience</i> , 2020, 436, 46-73.	1.1	7
4389	Mitochondria dysfunction and metabolic reprogramming as drivers of idiopathic pulmonary fibrosis. <i>Redox Biology</i> , 2020, 33, 101509.	3.9	104
4390	Endoplasmic reticulum stress and glutathione therapeutics in chronic lung diseases. <i>Redox Biology</i> , 2020, 33, 101516.	3.9	33
4391	Senescent Cells: Emerging Targets for Human Aging and Age-Related Diseases. <i>Trends in Biochemical Sciences</i> , 2020, 45, 578-592.	3.7	126
4392	Genetics of frailty: A longevity perspective. <i>Translational Research</i> , 2020, 221, 83-96.	2.2	18
4393	Lifestyle mediates the role of nutrient-sensing pathways in cognitive aging: cellular and epidemiological evidence. <i>Communications Biology</i> , 2020, 3, 157.	2.0	27
4394	Elevation of the unfolded protein response increases RANKL expression. <i>FASEB BioAdvances</i> , 2020, 2, 207-218.	1.3	7
4395	Germline mutation of <i>MDM4</i> , a major p53 regulator, in a familial syndrome of defective telomere maintenance. <i>Science Advances</i> , 2020, 6, eaay3511.	4.7	25
4396	Cell Senescence and Mesenchymal Stromal Cells. <i>Human Physiology</i> , 2020, 46, 85-93.	0.1	2
4397	A Preliminary Study to Investigate the Genetic Background of Longevity Based on Whole-Genome Sequence Data of Two Methuselah Dogs. <i>Frontiers in Genetics</i> , 2020, 11, 315.	1.1	4
4398	Protein and Mitochondria Quality Control Mechanisms and Cardiac Aging. <i>Cells</i> , 2020, 9, 933.	1.8	31
4399	Older Adults with Physical Frailty and Sarcopenia Show Increased Levels of Circulating Small Extracellular Vesicles with a Specific Mitochondrial Signature. <i>Cells</i> , 2020, 9, 973.	1.8	44
4400	Evidence for immortality and autonomy in animal cancer models is often not provided, which causes confusion on key issues of cancer biology. <i>Journal of Cancer</i> , 2020, 11, 2887-2920.	1.2	4
4401	Genome-wide Profiling Identifies DNA Methylation Signatures of Aging in Rod Photoreceptors Associated with Alterations in Energy Metabolism. <i>Cell Reports</i> , 2020, 31, 107525.	2.9	20
4402	Epigenetic Clock and Leukocyte Telomere Length Are Associated with Vitamin D Status but not with Functional Assessments and Frailty in the Berlin Aging Study II. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 2056-2063.	1.7	33
4403	A bone matrix-mimicking scaffold to alleviate replicative senescence of mesenchymal stem cells during long-term expansion. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1955-1967.	2.1	7
4404	Survey of the Arc Epigenetic Landscape in Normal Cognitive Aging. <i>Molecular Neurobiology</i> , 2020, 57, 2727-2740.	1.9	9
4405	Circular RNA in renal diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 6523-6533.	1.6	92

#	ARTICLE	IF	CITATIONS
4406	Quantifying mitochondrial respiration in human lymphocytes and monocytes challenged with hydrogen peroxide. <i>Free Radical Research</i> , 2020, 54, 271-279.	1.5	1
4407	Benefits of Metformin in Attenuating the Hallmarks of Aging. <i>Cell Metabolism</i> , 2020, 32, 15-30.	7.2	379
4408	The environment as a determinant of successful aging or frailty. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111244.	2.2	27
4409	Mitophagy and iron: two actors sharing the stage in age-associated neuronal pathologies. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111252.	2.2	15
4410	Elimination of senescent cells by β -galactosidase-targeted prodrug attenuates inflammation and restores physical function in aged mice. <i>Cell Research</i> , 2020, 30, 574-589.	5.7	187
4411	The emerging role of T follicular helper (TFH) cells in aging: Influence on the immune frailty. <i>Ageing Research Reviews</i> , 2020, 61, 101071.	5.0	36
4412	Traditional fermented foods with anti-aging effect: A concentric review. <i>Food Research International</i> , 2020, 134, 109269.	2.9	47
4413	Accumulation of prelamin A induces premature aging through mTOR overactivation. <i>FASEB Journal</i> , 2020, 34, 7905-7914.	0.2	13
4414	Protein assembly systems in natural and synthetic biology. <i>BMC Biology</i> , 2020, 18, 35.	1.7	44
4415	Mitochondria-Modulating Porous Se@SiO ₂ Nanoparticles Provide Resistance to Oxidative Injury in Airway Epithelial Cells: Implications for Acute Lung Injury. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2287-2302.	3.3	21
4416	Overexpression of Progerin Results in Impaired Proliferation and Invasion of Non-Small Cell Lung Cancer Cells. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 2629-2642.	1.0	7
4417	The redox environment and mitochondrial dysfunction in age-related skeletal muscle atrophy. <i>Biogerontology</i> , 2020, 21, 461-473.	2.0	12
4418	The Nlrp3 inflammasome as a "rising star" in studies of normal and malignant hematopoiesis. <i>Leukemia</i> , 2020, 34, 1512-1523.	3.3	73
4419	Interleukin 17 and senescent cells regulate the foreign body response to synthetic material implants in mice and humans. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	99
4420	Changes in the expression of oxidative phosphorylation complexes in the aging intestinal mucosa. <i>Experimental Gerontology</i> , 2020, 135, 110924.	1.2	17
4421	Do You Remember Mitochondria?. <i>Frontiers in Physiology</i> , 2020, 11, 271.	1.3	10
4422	Immunosenescent characteristics of T cells in young patients following haploidentical haematopoietic stem cell transplantation from parental donors. <i>Clinical and Translational Immunology</i> , 2020, 9, e1124.	1.7	8
4423	<sc>SARS-CoV-2</sc>: At the Crossroad Between Aging and Neurodegeneration. <i>Movement Disorders</i> , 2020, 35, 716-720.	2.2	114

#	ARTICLE	IF	CITATIONS
4424	Regulation of senescence traits by MAPKs. <i>GeroScience</i> , 2020, 42, 397-408.	2.1	84
4425	Systematic review and analysis of human proteomics aging studies unveils a novel proteomic aging clock and identifies key processes that change with age. <i>Ageing Research Reviews</i> , 2020, 60, 101070.	5.0	86
4426	Apigenin ameliorates D-galactose-induced lifespan shortening effects via antioxidative activity and inhibition of mitochondrial-dependent apoptosis in <i>Drosophila melanogaster</i> . <i>Journal of Functional Foods</i> , 2020, 69, 103957.	1.6	13
4427	Muscle stem cell aging: identifying ways to induce tissue rejuvenation. <i>Mechanisms of Ageing and Development</i> , 2020, 188, 111246.	2.2	8
4428	p57 is a master regulator of human adipose derived stem cell quiescence and senescence. <i>Stem Cell Research</i> , 2020, 44, 101759.	0.3	8
4429	Small-Molecule PAPD5 Inhibitors Restore Telomerase Activity in Patient Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 896-909.e8.	5.2	57
4430	Moderation of mitochondrial respiration mitigates metabolic syndrome of aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9840-9850.	3.3	41
4431	Comparative effects of galactose-induced aging on mitochondrial permeability transition in rat liver and testis. <i>Toxicology Mechanisms and Methods</i> , 2020, 30, 388-396.	1.3	4
4432	A Geroscience Perspective on COVID-19 Mortality. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e30-e33.	1.7	155
4433	The neuronal receptor tyrosine kinase Alk is a target for longevity. <i>Aging Cell</i> , 2020, 19, e13137.	3.0	20
4434	miR-181a regulates p62/SQSTM1, parkin, and protein DJ-1 promoting mitochondrial dynamics in skeletal muscle aging. <i>Aging Cell</i> , 2020, 19, e13140.	3.0	50
4435	Nuclear envelope dysfunction and its contribution to the aging process. <i>Aging Cell</i> , 2020, 19, e13143.	3.0	49
4436	Vitamin C Treatment Rescues Prelamin A-Induced Premature Senescence of Subchondral Bone Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2020, 2020, 1-16.	1.2	9
4437	Irradiation-induced senescence of bone marrow mesenchymal stem cells aggravates osteogenic differentiation dysfunction via paracrine signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C1005-C1017.	2.1	35
4438	CLL intraclonal fractions exhibit established and recently acquired patterns of DNA methylation. <i>Blood Advances</i> , 2020, 4, 893-905.	2.5	5
4439	Shared mechanisms of multimorbidity in COPD, atherosclerosis and type-2 diabetes: the neutrophil as a potential inflammatory target. <i>European Respiratory Review</i> , 2020, 29, 190102.	3.0	36
4440	Peptide Hormone Regulation of DNA Damage Responses. <i>Endocrine Reviews</i> , 2020, 41, .	8.9	9
4441	Passive diffusion through nuclear pore complexes regulates levels of the yeast SAGA and SLIK coactivators complexes. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	6

#	ARTICLE	IF	CITATIONS
4442	Mechanisms of Cardiovascular Disorders in Patients With Chronic Kidney Disease: A Process Related to Accelerated Senescence. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 185.	1.8	76
4443	MitophAging: Mitophagy in Aging and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 239.	1.8	87
4444	Interference With Complex IV as a Model of Age-Related Decline in Synaptic Connectivity. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 43.	1.4	11
4445	SIV Infection and the HIV Proteins Tat and Nef Induce Senescence in Adipose Tissue and Human Adipose Stem Cells, Resulting in Adipocyte Dysfunction. <i>Cells</i> , 2020, 9, 854.	1.8	17
4446	Inflammation and Premature Ageing in Chronic Kidney Disease. <i>Toxins</i> , 2020, 12, 227.	1.5	126
4447	Aging: Mechanisms, Measures, and Interventions. <i>Proteomics</i> , 2020, 20, 1800336.	1.3	0
4449	RNA polymerase II stalls on oxidative DNA damage via a torsion-latch mechanism involving lone pair-π and CH-π interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9338-9348.	3.3	26
4450	Hutchinson-Gilford progeria syndrome: Rejuvenating old drugs to fight accelerated ageing. <i>Methods</i> , 2020, 190, 3-12.	1.9	20
4451	From Development to Aging: The Path to Cellular Senescence. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 294-307.	2.5	15
4452	Differential Responses of White Adipose Tissue and Brown Adipose Tissue to Calorie Restriction During Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 393-399.	1.7	22
4453	Coloniality, clonality, and modularity in animals: The elephant in the room. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2021, 336, 198-211.	0.6	19
4454	The Role of Dietary Advanced Glycation End Products in Metabolic Dysfunction. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1900934.	1.5	85
4455	Strategies to Prevent or Remediate Cancer and Treatment-Related Aging. <i>Journal of the National Cancer Institute</i> , 2021, 113, 112-122.	3.0	57
4456	The application of <i>in vitro</i> -derived human neurons in neurodegenerative disease modeling. <i>Journal of Neuroscience Research</i> , 2021, 99, 124-140.	1.3	26
4457	Bioengineered Skeletal Muscle as a Model of Muscle Aging and Regeneration. <i>Tissue Engineering - Part A</i> , 2021, 27, 74-86.	1.6	20
4458	Fuchs endothelial corneal dystrophy: The vicious cycle of Fuchs pathogenesis. <i>Progress in Retinal and Eye Research</i> , 2021, 80, 100863.	7.3	92
4459	Diversity and Biology of Cancer-Associated Fibroblasts. <i>Physiological Reviews</i> , 2021, 101, 147-176.	13.1	521
4460	Identification of biomarkers for physical frailty and sarcopenia through a new multi-marker approach: results from the BIOSPHERE study. <i>GeroScience</i> , 2021, 43, 727-740.	2.1	37

#	ARTICLE	IF	CITATIONS
4461	Inhibition of neural stem cell aging through the transient induction of reprogramming factors. <i>Journal of Comparative Neurology</i> , 2021, 529, 595-604.	0.9	9
4462	Intertwined ROS and Metabolic Signaling at the Neuron-Astrocyte Interface. <i>Neurochemical Research</i> , 2021, 46, 23-33.	1.6	15
4463	Mitochondrial communication in the context of aging. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 1367-1370.	1.4	7
4464	Muscle loss in <scp>COPD</scp>: An "imploding"™ phenotype in need of therapies. <i>Respirology</i> , 2021, 26, 8-9.	1.3	1
4465	Diagnosing serious infections in older adults presenting to ambulatory care: a systematic review. <i>Age and Ageing</i> , 2021, 50, 405-414.	0.7	3
4466	Premature Aging Among Trauma Survivors" The Longitudinal Implications of Sleep Disruptions on Telomere Length and Cognitive Performance. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2021, 76, 262-272.	2.4	7
4467	The impact of red grape juice (<i>Vitis labrusca</i>) consumption associated with physical training on oxidative stress, inflammatory and epigenetic modulation in healthy elderly women. <i>Physiology and Behavior</i> , 2021, 229, 113215.	1.0	11
4468	The use of geroprotectors to prevent multimorbidity: Opportunities and challenges. <i>Mechanisms of Ageing and Development</i> , 2021, 193, 111391.	2.2	9
4469	Prospective Therapeutic Applications of Platelet Extracellular Vesicles. <i>Trends in Biotechnology</i> , 2021, 39, 598-612.	4.9	79
4470	Inflammation-Associated Senescence Promotes <i>Helicobacter pylori</i> "Induced Atrophic Gastritis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 857-880.	2.3	26
4471	Ageing and mesenchymal stem cells derived exosomes: Molecular insight and challenges. <i>Cell Biochemistry and Function</i> , 2021, 39, 60-66.	1.4	63
4472	Emerging potential of cannabidiol in reversing proteinopathies. <i>Ageing Research Reviews</i> , 2021, 65, 101209.	5.0	28
4473	The FGF/FGFR system in the physiopathology of the prostate gland. <i>Physiological Reviews</i> , 2021, 101, 569-610.	18.1	37
4474	Supplementation with alpha-linolenic acid and inflammation: a feasibility trial. <i>International Journal of Food Sciences and Nutrition</i> , 2021, 72, 386-390.	1.3	7
4475	Association Between Elevated suPAR, a New Biomarker of Inflammation, and Accelerated Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 318-327.	1.7	34
4476	Biomarkers of senescence in non-human primate adipose depots relate to aging. <i>GeroScience</i> , 2021, 43, 343-352.	2.1	8
4477	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. <i>Cell Research</i> , 2021, 31, 187-205.	5.7	67
4478	High-intensity exercise training induces mitonuclear imbalance and activates the mitochondrial unfolded protein response in the skeletal muscle of aged mice. <i>GeroScience</i> , 2021, 43, 1513-1518.	2.1	19

#	ARTICLE	IF	CITATIONS
4479	A chemical biology approach to identifying molecular pathways associated with aging. <i>GeroScience</i> , 2021, 43, 353-365.	2.1	6
4480	5â€²-Hydroxy-6, 7, 8, 3â€², 4â€²-pentamethoxyflavone extends longevity mediated by DR-induced autophagy and oxidative stress resistance in <i>C. elegans</i> . <i>GeroScience</i> , 2021, 43, 759-772.	2.1	12
4481	Frailty in heart transplantation: Report from the heart workgroup of a consensus conference on frailty. <i>American Journal of Transplantation</i> , 2021, 21, 636-644.	2.6	16
4482	Molecular basis of reproductive senescence: insights from model organisms. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 17-32.	1.2	9
4483	Antioxidant effect of Resveratrol: Change in MAPK cell signaling pathway during the aging process. <i>Archives of Gerontology and Geriatrics</i> , 2021, 92, 104266.	1.4	30
4484	Epigenetic Age Acceleration and Chronic Health Conditions Among Adult Survivors of Childhood Cancer. <i>Journal of the National Cancer Institute</i> , 2021, 113, 597-605.	3.0	37
4485	The Ground Zero of Organismal Life and Aging. <i>Trends in Molecular Medicine</i> , 2021, 27, 11-19.	3.5	42
4486	Knockdown of astrocytic TREM2 in the hippocampus relieves cognitive decline in elderly male mice. <i>Behavioural Brain Research</i> , 2021, 397, 112939.	1.2	3
4487	The ongoing quest for a fountain of youth: Cell therapy for pulmonary fibrosis. <i>Respirology</i> , 2021, 26, 136-137.	1.3	0
4488	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 779-803.	4.2	151
4489	HIV-1 Transcription but Not Intact Provirus Levels are Associated With Systemic Inflammation. <i>Journal of Infectious Diseases</i> , 2021, 223, 1934-1942.	1.9	19
4490	COXIV and SIRT2â€²-mediated G6PD deacetylation modulate ROS homeostasis to extend pupal lifespan. <i>FEBS Journal</i> , 2021, 288, 2436-2453.	2.2	13
4491	Oxidative DNA damage is increased in older adults with a major depressive episode: A preliminary study. <i>Journal of Affective Disorders</i> , 2021, 279, 106-110.	2.0	6
4492	Wing: A suitable nonlethal tissue type for repeatable and rapid telomere length estimates in bats. <i>Molecular Ecology Resources</i> , 2021, 21, 421-432.	2.2	7
4493	Impact of HIV infection on aging and immune status. <i>Expert Review of Anti-Infective Therapy</i> , 2021, 19, 719-731.	2.0	10
4494	Cause and effect in epigenetics â€” where lies the truth, and how can experiments reveal it?. <i>BioEssays</i> , 2021, 43, e2000262.	1.2	3
4495	Thymus involution sets the clock of the aging T-cell landscape: Implications for declined immunity and tissue repair. <i>Ageing Research Reviews</i> , 2021, 65, 101231.	5.0	32
4496	Invited Commentary: Epigenetic Clocks and Obesityâ€”Towards the Next Frontier Using Integrative Approaches and Early-Life Models. <i>American Journal of Epidemiology</i> , 2021, 190, 994-997.	1.6	2

#	ARTICLE	IF	CITATIONS
4497	The combination of mitogenic stimulation and DNA damage induces chondrocyte senescence. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 402-412.	0.6	21
4498	Healthy Aging Interventions Reduce Repetitive Element Transcripts. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 805-810.	1.7	10
4499	Obstructive Sleep Apnea-hypopnea Syndrome as a Novel Potential Risk for Aging. , 2021, 12, 586.		11
4500	Senescent cell accumulation mechanisms inferred from parabiosis. <i>GeroScience</i> , 2021, 43, 329-341.	2.1	29
4501	Advances in Probiotics for Sustainable Food and Medicine. <i>Microorganisms for Sustainability</i> , 2021, , .	0.4	3
4502	Understanding the impact of age-related changes in the gut microbiome on chronic diseases and the prospect of elderly-specific dietary interventions. <i>Current Opinion in Biotechnology</i> , 2021, 70, 48-55.	3.3	22
4503	Methionine transsulfuration pathway is upregulated in long-lived humans. <i>Free Radical Biology and Medicine</i> , 2021, 162, 38-52.	1.3	21
4504	Comprehensive Profiling of an Aging Immune System Reveals Clonal GZMK+ CD8+ T Cells as Conserved Hallmark of Inflammaging. <i>Immunity</i> , 2021, 54, 99-115.e12.	6.6	258
4505	Age-related impairment of autophagy in cervical motor neurons. <i>Experimental Gerontology</i> , 2021, 144, 111193.	1.2	15
4506	Principles of the Molecular and Cellular Mechanisms of Aging. <i>Journal of Investigative Dermatology</i> , 2021, 141, 951-960.	0.3	36
4507	Regulatory mechanisms of <i>Sesn2</i> and its role in multi-organ diseases. <i>Pharmacological Research</i> , 2021, 164, 105331.	3.1	11
4508	Nutritional control of postembryonic development progression and arrest in <i>Caenorhabditis elegans</i> . <i>Advances in Genetics</i> , 2021, 107, 33-87.	0.8	5
4509	Impaired autophagy following ex vivo heating at physiologically relevant temperatures in peripheral blood mononuclear cells from elderly adults. <i>Journal of Thermal Biology</i> , 2021, 95, 102790.	1.1	9
4510	Plasma from Young Rats Injected into Old Rats Induce Antiaging Effects. <i>Rejuvenation Research</i> , 2021, 24, 206-212.	0.9	10
4511	Mechanisms and therapeutic implications of cellular senescence in osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2021, 17, 47-57.	3.5	284
4512	Effects of caloric restriction on the antagonistic and integrative hallmarks of aging. <i>Ageing Research Reviews</i> , 2021, 66, 101228.	5.0	18
4513	Signaling Network Centered on mTORC1 Dominates Mammalian Intestinal Stem Cell Ageing. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 842-849.	1.7	6
4514	The potential for complex computational models of aging. <i>Mechanisms of Ageing and Development</i> , 2021, 193, 111403.	2.2	11

#	ARTICLE	IF	CITATIONS
4515	Natural products targeting mitochondria: emerging therapeutics for age-associated neurological disorders. , 2021, 221, 107749.		29
4516	Transcription blockage by DNA damage in nucleotide excision repair-related neurological dysfunctions. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 20-35.	2.3	14
4517	Retroelement-derived RNA and its role in the brain. <i>Seminars in Cell and Developmental Biology</i> , 2021, 114, 68-80.	2.3	10
4518	Organ-on-a-Chip Systems for Modeling Pathological Tissue Morphogenesis Associated with Fibrosis and Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2900-2925.	2.6	15
4519	Study of Longitudinal Aging in Mice: Presentation of Experimental Techniques. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 552-560.	1.7	33
4520	Roles of exosomal miRNA in vascular aging. <i>Pharmacological Research</i> , 2021, 165, 105278.	3.1	19
4521	SARS-CoV-2 microbiome dysbiosis linked disorders and possible probiotics role. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110947.	2.5	73
4522	Dysbiosis, malnutrition and enhanced gut-lung axis contribute to age-related respiratory diseases. <i>Ageing Research Reviews</i> , 2021, 66, 101235.	5.0	58
4523	Review: ER stress-induced cell death in osteoarthritic cartilage. <i>Cellular Signalling</i> , 2021, 78, 109880.	1.7	54
4524	Aging-related modifications to G protein-coupled receptor signaling diversity. , 2021, 223, 107793.		12
4525	CRL4DCAF8 dependent opposing stability control over the chromatin remodeler LSH orchestrates epigenetic dynamics in ferroptosis. <i>Cell Death and Differentiation</i> , 2021, 28, 1593-1609.	5.0	18
4526	Repurposing drugs to fight aging: The difficult path from bench to bedside. <i>Medicinal Research Reviews</i> , 2021, 41, 1676-1700.	5.0	16
4527	Effects of sugar sources on adult longevity, survival and related gene expression in an endoparasitoid, <i>Pteromalus puparum</i> (Hymenoptera: Pteromalidae). <i>Pest Management Science</i> , 2021, 77, 1282-1291.	1.7	2
4528	Decreased Proteasomal Function Induces Neuronal Loss and Memory Impairment. <i>American Journal of Pathology</i> , 2021, 191, 144-156.	1.9	12
4529	Long-term intake of the illegal diet pill DNP reduces lifespan in a captive bird model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 242, 108944.	1.3	7
4530	A Slc25a46 Mouse Model Simulating Age-Associated Motor Deficit, Redox Imbalance, and Mitochondria Dysfunction. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 440-447.	1.7	5
4531	Frailty subtypes and recovery in older survivors of acute respiratory failure: a pilot study. <i>Thorax</i> , 2021, 76, 350-359.	2.7	6
4532	ERS International Congress 2020 Virtual: highlights from the Allied Respiratory Professionals Assembly. <i>ERJ Open Research</i> , 2021, 7, 00808-2020.	1.1	2

#	ARTICLE	IF	CITATIONS
4533	Development and aging of the lymphatic vascular system. <i>Advanced Drug Delivery Reviews</i> , 2021, 169, 63-78.	6.6	44
4534	Heterogeneity of cellular inflammatory responses in ageing white matter and relationship to Alzheimer's and small vessel disease pathologies. <i>Brain Pathology</i> , 2021, 31, e12928.	2.1	10
4535	Hallmarks of Health. <i>Cell</i> , 2021, 184, 33-63.	13.5	256
4536	Nutritional Preconditioning in Cancer Treatment in Relation to DNA Damage and Aging. <i>Annual Review of Cancer Biology</i> , 2021, 5, 161-179.	2.3	13
4537	Senescent cells exacerbate chronic inflammation and contribute to periodontal disease progression in old mice. <i>Journal of Periodontology</i> , 2021, 92, 1483-1495.	1.7	29
4538	Global spliceosome activity regulates entry into cellular senescence. <i>FASEB Journal</i> , 2021, 35, e21204.	0.2	18
4539	Systematic review and meta-analysis of human transcriptomics reveals neuroinflammation, deficient energy metabolism, and proteostasis failure across neurodegeneration. <i>Neurobiology of Disease</i> , 2021, 149, 105225.	2.1	54
4540	Physical activity attenuated the association of air pollutants with telomere length in rural Chinese adults. <i>Science of the Total Environment</i> , 2021, 759, 143491.	3.9	10
4541	Regulation of the Wound Healing Response during Aging. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1063-1070.	0.3	27
4542	Strain differences in behaviour and immunity in aged mice: Relevance to Autism. <i>Behavioural Brain Research</i> , 2021, 399, 113020.	1.2	12
4543	Crosstalk between the muscular estrogen receptor α and BDNF/TrkB signaling alleviates metabolic syndrome via 7,8-dihydroxyflavone in female mice. <i>Molecular Metabolism</i> , 2021, 45, 101149.	3.0	15
4544	Common risk factors and therapeutic targets in obstructive sleep apnea and osteoarthritis: An unexpected link?. <i>Pharmacological Research</i> , 2021, 164, 105369.	3.1	5
4545	Mitochondrial DNA in extracellular vesicles declines with age. <i>Aging Cell</i> , 2021, 20, e13283.	3.0	76
4546	Growth differentiation factor-15 is associated with age-related monocyte dysfunction. <i>Aging Medicine (Milton N S W)</i> , 2021, 4, 47-52.	0.9	7
4547	Breed-related expression patterns of Ki67, γ H2AX, and p21 during ageing in the canine liver. <i>Veterinary Research Communications</i> , 2021, 45, 21-30.	0.6	5
4548	Perspectives on functional status in older adults with cancer: An interprofessional report from the International Society of Geriatric Oncology (SIOG) nursing and allied health interest group and young SIOG. <i>Journal of Geriatric Oncology</i> , 2021, 12, 658-665.	0.5	40
4549	Aging Atlas: a multi-omics database for aging biology. <i>Nucleic Acids Research</i> , 2021, 49, D825-D830.	6.5	140
4550	Estimation of environmental, genetic and parental age at conception effects on telomere length in a wild mammal. <i>Journal of Evolutionary Biology</i> , 2021, 34, 296-308.	0.8	21

#	ARTICLE	IF	CITATIONS
4551	Tissueâ€disruptionâ€induced cellular stochasticity and epigenetic drift: Common origins of aging and cancer?. <i>BioEssays</i> , 2021, 43, 2000140.	1.2	10
4552	Proteostasis-associated aging: lessons from a <i>Drosophila</i> model. <i>Genes and Genomics</i> , 2021, 43, 1-9.	0.5	14
4553	Effects of physical exercise on executive function in cognitively healthy older adults: A systematic review and meta-analysis of randomized controlled trials. <i>International Journal of Nursing Studies</i> , 2021, 114, 103810.	2.5	45
4554	Sestrin1 exerts a cytoprotective role against oxygen-glucose deprivation/reoxygenation-induced neuronal injury by potentiating Nrf2 activation via the modulation of Keap1. <i>Brain Research</i> , 2021, 1750, 147165.	1.1	10
4555	Caloric restriction mimetics for the treatment of cardiovascular diseases. <i>Cardiovascular Research</i> , 2021, 117, 1434-1449.	1.8	27
4556	Toll-interacting protein impacts on inflammation, autophagy, and vacuole trafficking in human disease. <i>Journal of Molecular Medicine</i> , 2021, 99, 21-31.	1.7	19
4557	Sarcopenia â€ Molecular mechanisms and open questions. <i>Ageing Research Reviews</i> , 2021, 65, 101200.	5.0	170
4558	Getting blood out of a stone: Identification and management of patients with poor hematopoietic cell mobilization. <i>Blood Reviews</i> , 2021, 47, 100771.	2.8	17
4559	The Interplay of the Genetic Architecture, Aging, and Environmental Factors in the Pathogenesis of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 163-172.	1.4	56
4560	The association between dietary patterns and nutritional status in community-dwelling older adultsâ€the PEN-3S study. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 521-530.	1.3	7
4561	Premature aging disorders: A clinical and genetic compendium. <i>Clinical Genetics</i> , 2021, 99, 3-28.	1.0	23
4562	Translational control in aging and neurodegeneration. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1628.	3.2	17
4563	ATP-dependent chromatin remodelers in ageing and age-related disorders. <i>Biogerontology</i> , 2021, 22, 1-17.	2.0	7
4564	Ageing and atherosclerosis: vascular intrinsic and extrinsic factors and potential role of IL-6. <i>Nature Reviews Cardiology</i> , 2021, 18, 58-68.	6.1	187
4565	Mitochondrial-derived peptides in aging and age-related diseases. <i>GeroScience</i> , 2021, 43, 1113-1121.	2.1	37
4566	Association Between Long-Term Aspirin Use and Frailty in Men: The Physiciansâ€™ Health Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1077-1083.	1.7	7
4567	The microRNA target site landscape is a novel molecular feature associating alternative polyadenylation with immune evasion activity in breast cancer. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	11
4568	Preadministration of high-dose alpha-tocopherol improved memory impairment and mitochondrial dysfunction induced by proteasome inhibition in rat hippocampus. <i>Nutritional Neuroscience</i> , 2021, 24, 119-129.	1.5	15

#	ARTICLE	IF	CITATIONS
4569	Exercise and mitochondrial health. <i>Journal of Physiology</i> , 2021, 599, 803-817.	1.3	131
4570	Gender influence on loneliness and family and nonfamily support among older adults: The confounding role of widowhood. <i>Journal of Women and Aging</i> , 2021, 33, 1-20.	0.5	6
4571	The Biopolitics of Somatechnologies and Diseased Bodies. , 2021, , 35-100.		0
4572	Mitochondrial transfer from induced pluripotent stem cells rescues developmental potential of in vitro fertilized embryos from aging females. <i>Biology of Reproduction</i> , 2021, 104, 1114-1125.	1.2	11
4573	Autophagy and senescence: Insights from normal and cancer stem cells. <i>Advances in Cancer Research</i> , 2021, 150, 147-208.	1.9	5
4574	Probiotics: Emerging functional ingredients for healthy aging and age-related diseases. , 2021, , 175-212.		2
4575	Autophagy and aging. , 2021, , 577-588.		0
4576	Lipoic acid and vitamin D3 and their use in preventing brain aging. , 2021, , 617-626.		0
4577	Anthocyanins, Microbiome and Health Benefits in Aging. <i>Molecules</i> , 2021, 26, 537.	1.7	45
4578	Astrocyte-Derived Extracellular Vesicles (ADEVs): Deciphering their Influences in Aging. , 2021, 12, 1462.		11
4579	Mitochondrial Origin of Cytosolic Protein Aggregation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
4580	An HSP90 Cochaperone Ids2 Maintains the Stability of Mitochondrial DNA and ATP Synthase. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4581	Role of biological markers in stem cell aging and its implications in therapeutic processes. , 2021, , 231-249.		1
4582	Mild cognitive impairment and major depressive disorder are associated with molecular senescence abnormalities in older adults. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021, 7, e12129.	1.8	13
4583	mTOR as a senescence manipulation target: A forked road. <i>Advances in Cancer Research</i> , 2021, 150, 335-363.	1.9	14
4584	Transcriptomics analysis for the identification of potential age-related genes and cells associated with three major urogenital cancers. <i>Scientific Reports</i> , 2021, 11, 641.	1.6	5
4585	Plasma Concentration of Advanced Glycation End-Products From Wild Canids and Domestic Dogs Does Not Change With Age or Across Body Masses. <i>Frontiers in Veterinary Science</i> , 2021, 8, 637132.	0.9	2
4589	Immunosenescence Study of T Cells: A Systematic Review. <i>Frontiers in Immunology</i> , 2020, 11, 604591.	2.2	81

#	ARTICLE	IF	CITATIONS
4590	Study of calcitriol anti-aging effects on human natural killer cells <i>in vitro</i> . <i>Bioengineered</i> , 2021, 12, 6844-6854.	1.4	6
4591	Reconsidering LINE-1's role in cancer: does LINE-1 function as a reporter detecting early cancer-associated epigenetic signatures?. <i>Evolution, Medicine and Public Health</i> , 2021, 9, 78-82.	1.1	5
4592	Klotho and aging phenotypes. , 2021, , 241-264.		1
4593	Quand l'organisme vieillit Quels marqueurs biologiques? Quelles interactions avec l'environnement?. , 2021, , 19-37.		0
4594	The zebrafish (<i>Danio rerio</i>) and its uses for understanding the neuroscience of aging. , 2021, , 491-503.		0
4595	<i>C. sinense</i> and <i>P. notoginseng</i> Extracts Improve Healthspan of Aging Flies and Provide Protection in A Huntington Disease Model. , 2021, 12, 425.		11
4596	Targeting cancer-promoting inflammation – have anti-inflammatory therapies come of age?. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 261-279.	12.5	171
4597	Frailty in inflammatory bowel diseases: an emerging concept. <i>Therapeutic Advances in Gastroenterology</i> , 2021, 14, 1756284821110254.	1.4	22
4598	Senescence. , 2021, , 1-12.		0
4599	RGL2 as an age-dependent factor regulates colon cancer progression. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2190-2201.	1.9	4
4600	SOX1 Is a Backup Gene for Brain Neurons and Glioma Stem Cell Protection and Proliferation. <i>Molecular Neurobiology</i> , 2021, 58, 2634-2642.	1.9	6
4601	Epigenetics of Aging and Aging-Associated Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 401.	1.8	110
4602	<i>Polygonum multiflorum</i> Thunb extract extended the lifespan and healthspan of <i>Caenorhabditis elegans</i> via DAF-16/SIR-2.1/SKN-1. <i>Food and Function</i> , 2021, 12, 8774-8786.	2.1	14
4603	Ubiquitin signalling in neurodegeneration: mechanisms and therapeutic opportunities. <i>Cell Death and Differentiation</i> , 2021, 28, 570-590.	5.0	197
4604	Senolytic Combination of Dasatinib and Quercetin Alleviates Intestinal Senescence and Inflammation and Modulates the Gut Microbiome in Aged Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1895-1905.	1.7	113
4605	Quantitative Proteomic and Metabolomic Profiling Reveals Altered Mitochondrial Metabolism and Folate Biosynthesis Pathways in the Aging <i>Drosophila</i> Eye. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100127.	2.5	19
4606	A single oral supplementation of nicotinamide within the daily tolerable upper level increases blood NAD+ levels in healthy subjects. <i>Translational Medicine of Aging</i> , 2021, 5, 43-51.	0.6	7
4607	SMAD4 mutations and cross-talk between TGF- β /IFN γ signaling accelerate rates of DNA damage and cellular senescence, resulting in a segmental progeroid syndrome – the Myhre syndrome. <i>GeroScience</i> , 2021, 43, 1481-1496.	2.1	9

#	ARTICLE	IF	CITATIONS
4608	Brain Age Estimation From MRI Using Cascade Networks With Ranking Loss. IEEE Transactions on Medical Imaging, 2021, 40, 3400-3412.	5.4	37
4609	Longevity pathways are associated with human ovarian ageing. Human Reproduction Open, 2021, 2021, hoab020.	2.3	11
4610	Insights into the Molecular Basis of Genome Stability and Pristine Proteostasis in Naked Mole-Rats. Advances in Experimental Medicine and Biology, 2021, 1319, 287-314.	0.8	4
4611	Opportunities and Challenges in Stem Cell Aging. Advances in Experimental Medicine and Biology, 2021, 1341, 143-175.	0.8	4
4612	An Insight into Aging, Senescence, and Their Impacts on Wound Healing. Advances in Geriatric Medicine and Research, 2021, 3, .	0.6	6
4613	Exercise, epigenetics, and aging. , 2021, , 127-182.		1
4614	Bipolar disorder and accelerated aging: Shared mechanisms and implications. , 2021, , 319-328.		0
4615	Integrative genomics of aging. , 2021, , 151-171.		1
4616	A multiomic atlas for the exploration of healthy aging in human monocytes. Nature Aging, 2021, 1, 19-21.	5.3	0
4617	PACAP for Retinal Health: Model for Cellular Aging and Rescue. International Journal of Molecular Sciences, 2021, 22, 444.	1.8	10
4618	Older Women and Health Inequality. Encyclopedia of the UN Sustainable Development Goals, 2021, , 952-962.	0.0	0
4619	Skeletal muscle cell aging and stem cells. , 2021, , 125-145.		6
4621	IgG N-glycans. Advances in Clinical Chemistry, 2021, 105, 1-47.	1.8	20
4622	How would preclinical Alzheimer's disease (AD pathology) occur? An insight from a genomic instability mouse model. Neural Regeneration Research, 2021, 16, 2012.	1.6	2
4623	Sirtuins in aging, age-related pathologies and their association with circadian rhythm. , 2021, , 103-115.		0
4624	Restoration of Aged Hematopoietic Cells by Their Young Counterparts Through Instructive Microvesicle Release. SSRN Electronic Journal, 0, , .	0.4	0
4625	Evolution of the Human Diet and Its Impact on Gut Microbiota, Immune Responses, and Brain Health. Nutrients, 2021, 13, 196.	1.7	57
4626	Mitochondria Transfer in Bone Marrow Hematopoietic Activity. Current Stem Cell Reports, 2021, 7, 1-12.	0.7	4

#	ARTICLE	IF	CITATIONS
4627	Genome-wide meta-analysis of muscle weakness identifies 15 susceptibility loci in older men and women. <i>Nature Communications</i> , 2021, 12, 654.	5.8	75
4628	Cellular senescence in the aging retina and developments of senotherapies for age-related macular degeneration. <i>Journal of Neuroinflammation</i> , 2021, 18, 32.	3.1	62
4629	Effect of Aging on the Viscoelastic Properties of Hippocampal Subfields Assessed with High-Resolution MR Elastography. <i>Cerebral Cortex</i> , 2021, 31, 2799-2811.	1.6	28
4630	Soluble Receptor for Advanced Glycation End-products regulates age-associated Cardiac Fibrosis. <i>International Journal of Biological Sciences</i> , 2021, 17, 2399-2416.	2.6	14
4631	A New Monocyte Epigenetic Clock Reveals Effects of Alcohol Consumption on Biological Aging in Three Independent Cohorts. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4632	Unlike dietary restriction, rapamycin fails to extend lifespan and reduce transcription stress in progeroid DNA repair-deficient mice. <i>Aging Cell</i> , 2021, 20, e13302.	3.0	27
4633	Disruption of Endoplasmic Reticulum Proteostasis in Age-Related Nervous System Disorders. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 59, 239-278.	0.9	2
4635	tRNA-derived fragments as New Hallmarks of Aging and Age-related Diseases. , 2021, 12, 1304.		13
4636	Effect of Aging on Homeostasis in the Soft Tissue of the Periodontium: A Narrative Review. <i>Journal of Personalized Medicine</i> , 2021, 11, 58.	1.1	14
4637	Dysregulation of leukocyte trafficking in ageing: Causal factors and possible corrective therapies. <i>Pharmacological Research</i> , 2021, 163, 105323.	3.1	12
4638	<scp>DNA</scp> methylation age as a biomarker for cancer. <i>International Journal of Cancer</i> , 2021, 148, 2652-2663.	2.3	21
4639	Telomeres: history, health, and hallmarks of aging. <i>Cell</i> , 2021, 184, 306-322.	13.5	248
4640	Inflammaging as a link between autoimmunity and cardiovascular disease: the case of rheumatoid arthritis. <i>RMD Open</i> , 2021, 7, e001470.	1.8	22
4641	Shorter telomere lengths in patients with severe COVID-19 disease. <i>Aging</i> , 2021, 13, 1-15.	1.4	76
4642	DNA folds threaten genetic stability and can be leveraged for chemotherapy. <i>RSC Chemical Biology</i> , 2021, 2, 47-76.	2.0	39
4643	The Role of Oxidative Stress in Cardiovascular Aging and Cardiovascular Diseases. <i>Life</i> , 2021, 11, 60.	1.1	60
4644	Interplay between chromosomal alterations and gene mutations shapes the evolutionary trajectory of clonal hematopoiesis. <i>Nature Communications</i> , 2021, 12, 338.	5.8	64
4645	Metabolic regulation of telomere silencing by SESAME complex-catalyzed H3T11 phosphorylation. <i>Nature Communications</i> , 2021, 12, 594.	5.8	18

#	ARTICLE	IF	CITATIONS
4646	Lactoferrin ameliorates pathological cardiac hypertrophy related to mitochondrial quality control in aged mice. <i>Food and Function</i> , 2021, 12, 7514-7526.	2.1	11
4647	Towards a comprehensive view of 8-oxo-7,8-dihydro-2â€™-deoxyguanosine: Highlighting the intertwined roles of DNA damage and epigenetics in genomic instability. <i>DNA Repair</i> , 2021, 97, 103027.	1.3	32
4648	Aging-induced stem cell dysfunction: Molecular mechanisms and potential therapeutic avenues. , 2021, , 203-222.		0
4649	Identification of the protective effect of <i>Polygonatum sibiricum</i> polysaccharide on galactose-induced brain ageing in mice by the systematic characterization of a circular RNA-associated ceRNA network. <i>Pharmaceutical Biology</i> , 2021, 59, 345-364.	1.3	24
4650	Transfection and activation of CofActor, a light AND stress gated optogenetic tool, in primary hippocampal neuron cultures. <i>Bio-protocol</i> , 2021, 11, e3990.	0.2	3
4652	The role of neurosensory systems in the modulation of aging. , 2021, , 285-295.		0
4653	Hypothalamic gene transfer of BDNF promotes healthy aging. <i>Vitamins and Hormones</i> , 2021, 115, 39-66.	0.7	1
4654	Anti-Cognitive Decline by Yinxing-Mihuan-Oral-Liquid via Activating CREB/BDNF Signaling and Inhibiting Neuroinflammatory Process. <i>Experimental Aging Research</i> , 2021, 47, 273-287.	0.6	3
4655	Crosstalk Between Covid-19 and Associated Neurological Disorders: A Review. <i>Current Neuropharmacology</i> , 2021, 19, 1688-1700.	1.4	8
4656	Hydroxytyrosol, olive oil, and use in aging. , 2021, , 537-546.		0
4657	Choline Acetyltransferase Induces the Functional Regeneration of the Salivary Gland in Aging SAMP1/KI ^{-/-} Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 404.	1.8	4
4658	Nutraceuticals in brain health. , 2021, , 409-439.		1
4659	Association between nutrient intake and telomere length in Japanese female university students. <i>Biomarkers</i> , 2021, 26, 138-145.	0.9	3
4660	Impairment of Proteasome Function in Podocytes Leads to CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 597-613.	3.0	11
4661	Progress of clinical evaluation for vascular aging in humans. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 17-23.	1.0	12
4662	Cellular senescence and senescence-associated secretory phenotype (SASP) in aging process. , 2021, , 75-88.		2
4663	Severe COVID-19 Lung Infection in Older People and Periodontitis. <i>Journal of Clinical Medicine</i> , 2021, 10, 279.	1.0	35
4664	Targeting senescent cell clearance: An approach to delay aging and age-associated disorders. <i>Translational Medicine of Aging</i> , 2021, 5, 1-9.	0.6	1

#	ARTICLE	IF	CITATIONS
4665	Drosophila models of neuronal aging. , 2021, , 481-490.		0
4666	Ehretiquinone from <i>Onosma bracteatum</i> Wall Exhibits Antiaging Effect on Yeasts and Mammals through Antioxidative Stress and Autophagy Induction. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	7
4667	Impact of Chaperone-Mediated Autophagy in Brain Aging: Neurodegenerative Diseases and Glioblastoma. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 630743.	1.7	19
4668	Reconstructing Boolean network ensembles from single-cell data for unraveling dynamics in the aging of human hematopoietic stem cells. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5321-5332.	1.9	24
4669	Delineating the Role of Mitophagy Inducers for Alzheimer Disease Patients. , 2021, 12, 852.		9
4670	Role of sirtuins in bone biology: Potential implications for novel therapeutic strategies for osteoporosis. <i>Aging Cell</i> , 2021, 20, e13301.	3.0	31
4671	Preserving transcriptional stress responses as an anti-aging strategy. <i>Aging Cell</i> , 2021, 20, e13297.	3.0	6
4672	An integrated network analysis approach to identify potential key genes, transcription factors, and microRNAs regulating human hematopoietic stem cell aging. <i>Molecular Omics</i> , 2021, 17, 967-984.	1.4	2
4673	Age-dependent walking and feeding of the assassin bug <i>Amphibolus venator</i> . <i>Behaviour</i> , 2021, 158, 123-133.	0.4	2
4674	Induced pluripotent stem cells as models for Amyotrophic Lateral Sclerosis. , 2021, , 83-104.		0
4675	FOXO Regulates Neuromuscular Junction Homeostasis During <i>Drosophila</i> Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 567861.	1.7	8
4676	Cellular senescence and aging in bone. , 2021, , 187-202.		6
4677	Strategies for Engineered Negligible Senescence. , 2021, , 1-6.		0
4678	Deep Proteome Profiling of Human Mammary Epithelia at Lineage and Age Resolution. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
4679	P53 and DNA Methylation in the Aging Process. <i>Journal of Behavioral and Brain Science</i> , 2021, 11, 83-95.	0.2	2
4680	Organelle-Specific Autophagy in Cellular Aging and Rejuvenation. <i>Advances in Geriatric Medicine and Research</i> , 2021, 3, .	0.6	6
4681	The progress in the study of reprogramming to acquire the features of stem cells in iPSCs and cancers. , 2021, , 87-114.		1
4683	Cellular Senescence in Liver Disease and Regeneration. <i>Seminars in Liver Disease</i> , 2021, 41, 050-066.	1.8	26

#	ARTICLE	IF	CITATIONS
4685	Sirtuins, healthspan, and longevity in mammals. , 2021, , 77-149.		2
4686	The nature of aging and the geroscience hypothesis. , 2021, , 69-76.		1
4687	Accumulation of Mitochondrial RPPH1 RNA Is Associated with Cellular Senescence. International Journal of Molecular Sciences, 2021, 22, 782.	1.8	7
4688	Thymoproteasome-Expressing Mesenchymal Stromal Cells Confer Protective Anti-Tumor Immunity via Cross-Priming of Endogenous Dendritic Cells. Frontiers in Immunology, 2020, 11, 596303.	2.2	8
4689	Microbiome changes in aging. , 2021, , 367-389.		1
4690	Ways to become old: Role of lifestyle in modulation of the hallmarks of aging. , 2021, , 273-293.		1
4691	A dietary sterol trade-off determines lifespan responses to dietary restriction in Drosophila melanogaster females. ELife, 2021, 10, .	2.8	43
4692	Evolutionary perspectives on cancer and aging. , 2021, , 97-115.		0
4693	TGF β ² /Alk5 signaling prevents osteoarthritis initiation via regulating the senescence of articular cartilage stem cells. Journal of Cellular Physiology, 2021, 236, 5278-5292.	2.0	6
4694	ADAM10 as a biomarker for Alzheimer's disease. , 2021, , 249-258.		0
4695	Human iPSC-Based Modeling of Central Nerve System Disorders for Drug Discovery. International Journal of Molecular Sciences, 2021, 22, 1203.	1.8	26
4696	Targeting the Mitochondrial Permeability Transition Pore to Prevent Age-Associated Cell Damage and Neurodegeneration. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	40
4697	Associations of Age, Sex, Race/Ethnicity, and Education With 13 Epigenetic Clocks in a Nationally Representative U.S. Sample: The Health and Retirement Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1117-1123.	1.7	93
4698	Recent trends and increasing differences in life expectancy present opportunities for multidisciplinary research on aging. Nature Aging, 2021, 1, 12-13.	5.3	20
4699	Prediction of SARS-CoV Interaction with Host Proteins during Lung Aging Reveals a Potential Role for TRIB3 in COVID-19. , 2021, 12, 42.		13
4700	NAD ⁺ metabolism, stemness, the immune response, and cancer. Signal Transduction and Targeted Therapy, 2021, 6, 2.	7.1	189
4701	Ageing, cellular senescence and the impact of diet: an overview. Porto Biomedical Journal, 2021, 6, e120.	0.4	18
4702	Resistance Training in Hypoxia as a New Therapeutic Modality for Sarcopenia—A Narrative Review. Life, 2021, 11, 106.	1.1	12

#	ARTICLE	IF	CITATIONS
4704	Aging and age-related diseases: from mechanisms to therapeutic strategies. <i>Biogerontology</i> , 2021, 22, 165-187.	2.0	200
4705	Flavonoids from the mung bean coat promote longevity and fitness in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2021, 12, 8196-8207.	2.1	22
4706	Cancer Treatment-Induced Accelerated Aging in Cancer Survivors: Biology and Assessment. <i>Cancers</i> , 2021, 13, 427.	1.7	39
4707	The physical frailty syndrome as a transition from homeostatic symphony to cacophony. <i>Nature Aging</i> , 2021, 1, 36-46.	5.3	210
4708	Cytokine-Induced Senescence: An Experimental Treatment of Peritoneal Tumors. , 2021, , 135-140.		0
4709	DNA-protein crosslink proteases in genome stability. <i>Communications Biology</i> , 2021, 4, 11.	2.0	41
4710	A multi-level assessment of the bidirectional relationship between aging and the circadian clock. <i>Journal of Neurochemistry</i> , 2021, 157, 73-94.	2.1	17
4711	Late-Life Fitness Gains Explain the Absence of a Selection Shadow in Ants. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
4712	Preface: Chemical carcinogenesis in mice as a model of human cancer: Pros and cons. <i>Methods in Cell Biology</i> , 2021, 163, xvii-xxv.	0.5	0
4713	Salamanders: The molecular basis of tissue regeneration and its relevance to human disease. <i>Current Topics in Developmental Biology</i> , 2021, 145, 235-275.	1.0	11
4714	MicroRNA Profiling in Mesenchymal Stromal Cells: the Tissue Source as the Missing Piece in the Puzzle of Ageing. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1014-1026.	1.7	2
4715	Premature Senescence of T-cells Favors Bone Loss During Osteolytic Diseases. A New Concern in the Osteoimmunology Arena. , 2021, 12, 1150.		15
4716	Human Chromosome Telomeres. , 2021, , 207-243.		2
4717	Non-Canonical Functions of the ARF Tumor Suppressor in Development and Tumorigenesis. <i>Biomolecules</i> , 2021, 11, 86.	1.8	18
4718	<sc>DNA</sc> methylation markers for cancer risk prediction of vulvar intraepithelial neoplasia. <i>International Journal of Cancer</i> , 2021, 148, 2481-2488.	2.3	17
4719	Noncoding RNAs and Epigenetic Regulation in Aging. , 2021, , 348-363.		0
4720	Aging-associated changes in metabolic regulation of epigenetic modifications and gene expression. , 2021, , 75-95.		0
4721	Exercise and/or Stress Effects on the Epigenetic Clock. , 2021, , 275-278.		0

#	ARTICLE	IF	CITATIONS
4723	Sirtuins and the prevention of immunosenescence. <i>Vitamins and Hormones</i> , 2021, 115, 221-264.	0.7	3
4724	Cellular Senescence in Brain Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 646924.	1.7	129
4725	Tau Deletion Prevents Cognitive Impairment and Mitochondrial Dysfunction Age Associated by a Mechanism Dependent on Cyclophilin-D. <i>Frontiers in Neuroscience</i> , 2020, 14, 586710.	1.4	14
4727	FOXP3 ⁺ regulatory T cells and age-related diseases. <i>FEBS Journal</i> , 2022, 289, 319-335.	2.2	13
4728	An integrative study of five biological clocks in somatic and mental health. <i>ELife</i> , 2021, 10, .	2.8	52
4731	Metabolic Aspects of Anthracycline Cardiotoxicity. <i>Current Treatment Options in Oncology</i> , 2021, 22, 18.	1.3	48
4733	Euglycemia Indicates Favorable Motor Outcome in Parkinson's Disease. <i>Movement Disorders</i> , 2021, 36, 1430-1434.	2.2	24
4734	The aging-related risk signature in colorectal cancer. <i>Aging</i> , 2021, 13, 7330-7349.	1.4	49
4735	Metabolism and chromatin: A dynamic duo that regulates development and ageing. <i>BioEssays</i> , 2021, 43, e2000273.	1.2	11
4736	Prospective Role of Polyphenolic Compounds in the Treatment of Neurodegenerative Diseases. <i>CNS and Neurological Disorders - Drug Targets</i> , 2021, 20, 430-450.	0.8	29
4737	Resveratrol Supplementation Attenuates Cognitive and Molecular Alterations under Maternal High-Fat Diet Intake: Epigenetic Inheritance over Generations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1453.	1.8	23
4738	Current and emerging roles of Cockayne syndrome group B (CSB) protein. <i>Nucleic Acids Research</i> , 2021, 49, 2418-2434.	6.5	30
4739	Splicing alterations in healthy aging and disease. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1643.	3.2	29
4740	The aging proteostasis decline: From nematode to human. <i>Experimental Cell Research</i> , 2021, 399, 112474.	1.2	20
4741	High-resolution 3D imaging uncovers organ-specific vascular control of tissue aging. <i>Science Advances</i> , 2021, 7, .	4.7	59
4742	The Roles of Mitochondrial Dysfunction and Reactive Oxygen Species in Aging and Senescence. <i>Current Molecular Medicine</i> , 2022, 22, 37-49.	0.6	21
4743	Rebaudioside A Enhances Resistance to Oxidative Stress and Extends Lifespan and Healthspan in <i>Caenorhabditis elegans</i> . <i>Antioxidants</i> , 2021, 10, 262.	2.2	16
4744	Aging and rejuvenation - a modular epigenome model. <i>Aging</i> , 2021, 13, 4734-4746.	1.4	9

#	ARTICLE	IF	CITATIONS
4745	The future of healthy aging: translation of geroscience discoveries to public health practice. <i>European Journal of Public Health</i> , 2021, 31, 455-456.	0.1	8
4746	A Phenomic Perspective on Factors Influencing Breast Cancer Treatment: Integrating Aging and Lifestyle in Blood and Tissue Biomarker Profiling. <i>Frontiers in Immunology</i> , 2020, 11, 616188.	2.2	7
4748	Molecular and phenotypic analysis of rodent models reveals conserved and species-specific modulators of human sarcopenia. <i>Communications Biology</i> , 2021, 4, 194.	2.0	43
4749	Special Issue "Centenarians" A Model to Study the Molecular Basis of Lifespan and Healthspan. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2044.	1.8	7
4750	Fibroblasts from different body parts exhibit distinct phenotypes in adult progeria Werner syndrome. <i>Aging</i> , 2021, 13, 4946-4961.	1.4	13
4751	Do reproductive constraints or experience drive age-dependent space use in two large herbivores?. <i>Animal Behaviour</i> , 2021, 172, 121-133.	0.8	9
4752	Hallmarks and detection techniques of cellular senescence and cellular ageing in immune cells. <i>Aging Cell</i> , 2021, 20, e13316.	3.0	54
4753	The Distinct Function of p21Waf1/Cip1 With p16Ink4a in Modulating Aging Phenotypes of Werner Syndrome by Affecting Tissue Homeostasis. <i>Frontiers in Genetics</i> , 2021, 12, 597566.	1.1	4
4754	Tissue-Specific Knockdown of Genes of the Argonaute Family Modulates Lifespan and Radioresistance in <i>Drosophila melanogaster</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2396.	1.8	5
4756	The Age-Sensitive Efficacy of Calorie Restriction on Mitochondrial Biogenesis and mtDNA Damage in Rat Liver. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1665.	1.8	17
4759	Nbs1-mediated DNA damage repair pathway regulates haematopoietic stem cell development and embryonic haematopoiesis. <i>Cell Proliferation</i> , 2021, 54, e12972.	2.4	7
4760	Aging-Related Changes in the Ultrastructure of Hepatocytes and Cardiomyocytes of Elderly Mice Are Enhanced in ApoE-Deficient Animals. <i>Cells</i> , 2021, 10, 502.	1.8	8
4761	Crosstalk between Different DNA Repair Pathways Contributes to Neurodegenerative Diseases. <i>Biology</i> , 2021, 10, 163.	1.3	11
4762	Taurine represses age-associated gut hyperplasia in <i>Drosophila</i> via counteracting endoplasmic reticulum stress. <i>Aging Cell</i> , 2021, 20, e13319.	3.0	11
4764	FoxO1 Is a Novel Regulator of 20S Proteasome Subunits Expression and Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 625715.	1.8	11
4765	4-Hydroxynonenal Contributes to Fibroblast Senescence in Skin Photoaging Evoked by UV-A Radiation. <i>Antioxidants</i> , 2021, 10, 365.	2.2	15
4766	Restoration of SIRT3 gene expression by airway delivery resolves age-associated persistent lung fibrosis in mice. <i>Nature Aging</i> , 2021, 1, 205-217.	5.3	32
4767	Deciphering Alzheimer's Disease Pathogenic Pathway: Role of Chronic Brain Hypoperfusion on p-Tau and mTOR. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 1381-1396.	1.2	11

#	ARTICLE	IF	CITATIONS
4768	ATF3 drives senescence by reconstructing accessible chromatin profiles. <i>Aging Cell</i> , 2021, 20, e13315.	3.0	38
4769	Transposable Element Landscape in <i>Drosophila</i> Populations Selected for Longevity. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	6
4770	Role of Cachexia and Fragility in the Patient Candidate for Cardiac Surgery. <i>Nutrients</i> , 2021, 13, 517.	1.7	7
4771	Evidence of the Cellular Senescence Stress Response in Mitotically Active Brain Cells—Implications for Cancer and Neurodegeneration. <i>Life</i> , 2021, 11, 153.	1.1	16
4772	Cord blood telomere shortening associates with increased gestational age and birth weight in preterm neonates. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 344.	0.8	5
4774	Aging Alters Daily and Regional Calretinin Neuronal Expression in the Rat Non-image Forming Visual Thalamus. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 613305.	1.7	2
4775	Watching synchronous mitochondrial respiration in the retina and its instability in a mouse model of macular degeneration. <i>Scientific Reports</i> , 2021, 11, 3274.	1.6	6
4776	Interactions between estradiol, diabetes, and brain aging and the risk for cognitive impairment. <i>Climacteric</i> , 2021, 24, 359-365.	1.1	6
4777	Cognitive effects of low dose of ionizing radiation — Lessons learned and research gaps from epidemiological and biological studies. <i>Environment International</i> , 2021, 147, 106295.	4.8	31
4778	Stress response capacity analysis during aging and possible new insights into aging studies. <i>Current Genetics</i> , 2021, 67, 417-420.	0.8	3
4779	Immunomodulation by Inflammation during Liver and Gastrointestinal Tumorigenesis and Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2238.	1.8	13
4780	Bioenergetic analysis of aged phenotype skin in a rare syndromic cutis laxa. <i>Journal of Cosmetic Dermatology</i> , 2021, 20, 2999-3006.	0.8	0
4781	The potential of rapalogs to enhance resilience against SARS-CoV-2 infection and reduce the severity of COVID-19. <i>The Lancet Healthy Longevity</i> , 2021, 2, e105-e111.	2.0	34
4782	Functional mechanisms and abnormalities of the nuclear lamina. <i>Nature Cell Biology</i> , 2021, 23, 116-126.	4.6	52
4783	Low-grade chronic inflammation and immune alterations in childhood and adolescent cancer survivors: A contribution to accelerated aging?. <i>Cancer Medicine</i> , 2021, 10, 1772-1782.	1.3	15
4784	Metabolomics of Cerebrospinal Fluid from Healthy Subjects Reveal Metabolites Associated with Ageing. <i>Metabolites</i> , 2021, 11, 126.	1.3	15
4785	Age-associated mitochondrial complex I deficiency is linked to increased stem cell proliferation rates in the mouse colon. <i>Aging Cell</i> , 2021, 20, e13321.	3.0	8
4786	Data-driven identification of ageing-related diseases from electronic health records. <i>Scientific Reports</i> , 2021, 11, 2938.	1.6	17

#	ARTICLE	IF	CITATIONS
4788	Strawberry (<i>Fragaria ananassa</i> Duch.) Alba extract attenuates DNA damage in lymphocytes of patients with Alzheimer's disease. <i>Journal of Food Biochemistry</i> , 2021, 45, e13637.	1.2	2
4790	Physical Features and Vital Signs Predict Serum Albumin and Globulin Concentrations Using Machine Learning. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 333-340.	0.5	0
4794	Tissue-Specific Landscape of Metabolic Dysregulation during Ageing. <i>Biomolecules</i> , 2021, 11, 235.	1.8	24
4795	Telomere heritability and parental age at conception effects in a wild avian population. <i>Molecular Ecology</i> , 2022, 31, 6324-6338.	2.0	30
4796	Long non-coding RNAs: Promising new targets in pulmonary fibrosis. <i>Journal of Gene Medicine</i> , 2021, 23, e3318.	1.4	25
4797	Single-Cell Transcriptional Profiling Reveals Sex and Age Diversity of Gene Expression in Mouse Endothelial Cells. <i>Frontiers in Genetics</i> , 2021, 12, 590377.	1.1	17
4798	Marine phycocompound screening reveals a potential source of novel senotherapeutics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 6071-6085.	2.0	5
4799	Therapeutic effects of non-saponin fraction with rich polysaccharide from Korean red ginseng on aging and Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2021, 164, 233-248.	1.3	29
4801	Using stable isotope labeling to advance our understanding of Alzheimer's disease etiology and pathology. <i>Journal of Neurochemistry</i> , 2021, 159, 318-329.	2.1	7
4802	Mitochondrial dysfunction as part of an inflammatory intermediate phenotype that drives premature ageing. <i>Journal of Internal Medicine</i> , 2021, 290, 231-234.	2.7	8
4803	Telomere length dynamics over 10-years and related outcomes in patients with COPD. <i>Respiratory Research</i> , 2021, 22, 56.	1.4	14
4805	Effects of Resistance Training on the Redox Status of Skeletal Muscle in Older Adults. <i>Antioxidants</i> , 2021, 10, 350.	2.2	11
4806	Aneuploidy and loss of heterozygosity as risk markers for malignant transformation in oral mucosa. <i>Oral Diseases</i> , 2021, 27, 1993-2007.	1.5	27
4807	Coenzyme Q redox signalling and longevity. <i>Free Radical Biology and Medicine</i> , 2021, 164, 187-205.	1.3	27
4808	When things go wrong: exploring possible mechanisms driving the progressive fibrosis phenotype in interstitial lung diseases. <i>European Respiratory Journal</i> , 2021, 58, 2004507.	3.1	42
4810	mTOR Signaling as a Regulator of Hematopoietic Stem Cell Fate. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1312-1322.	1.7	19
4811	Transcriptome and lipidome profile of human mesenchymal stem cells with reduced senescence and increased trilineage differentiation ability upon drug treatment. <i>Aging</i> , 2021, 13, 9991-10014.	1.4	8
4812	Hallmarks of the aging cell system. <i>FEBS Journal</i> , 2021, 288, 7123-7142.	2.2	70

#	ARTICLE	IF	CITATIONS
4813	The multifaceted roles of DNA repair and replication proteins in aging and obesity. <i>DNA Repair</i> , 2021, 99, 103049.	1.3	10
4814	Acupoint catgut embedding improves senescence in a rat model of ageing by regulating mitophagy via the PINK1 pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3816-3828.	1.6	5
4817	Long non-coding RNAs: A double-edged sword in aging kidney and renal disease. <i>Chemico-Biological Interactions</i> , 2021, 337, 109396.	1.7	13
4818	1,25-Dihydroxyvitamin D and S-Klotho Plasma Levels: The Relationship Between Two Renal Antiaging Biomarkers Mediated by Bone Mineral Density in Middle-Aged Sedentary Adults. <i>Rejuvenation Research</i> , 2021, 24, 227-233.	0.9	4
4819	Prenatal and pubertal exposure to 17 β -ethinylestradiol disrupts folliculogenesis and promotes morphophysiological changes in ovaries of old gerbils (<i>Meriones unguiculatus</i>). <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 49-60.	0.7	4
4821	Age-related cognitive decline is associated with microbiota-gut-brain axis disorders and neuroinflammation in mice. <i>Behavioural Brain Research</i> , 2021, 402, 113125.	1.2	37
4822	Implication of cellular senescence in the progression of chronic kidney disease and the treatment potencies. <i>Biomedicine and Pharmacotherapy</i> , 2021, 135, 111191.	2.5	16
4823	PPA1 Regulates Systemic Insulin Sensitivity by Maintaining Adipocyte Mitochondria Function as a Novel PPAR γ Target Gene. <i>Diabetes</i> , 2021, 70, 1278-1291.	0.3	8
4824	Melatonin to Rescue the Aged Heart: Antiarrhythmic and Antioxidant Benefits. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	13
4825	Identification of Mortality Risks in the Advancement of Old Age: Application of Proportional Hazard Models Based on the Stepwise Variable Selection and the Bayesian Model Averaging Approach. <i>Nutrients</i> , 2021, 13, 1098.	1.7	4
4826	Aging and pathological aging signatures of the brain: through the focusing lens of SIRT6. <i>Aging</i> , 2021, 13, 6420-6441.	1.4	11
4827	Cellular hallmarks of aging emerge in the ovary prior to primordial follicle depletion. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111425.	2.2	30
4828	Therapeutic Potential of Quercetin to Alleviate Endothelial Dysfunction in Age-Related Cardiovascular Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658400.	1.1	51
4829	Increased longevity due to sexual activity in mole-rats is associated with transcriptional changes in the HPA stress axis. <i>ELife</i> , 2021, 10, .	2.8	17
4830	Impact of comorbidity burden on mortality in patients with COVID-19 using the Korean health insurance database. <i>Scientific Reports</i> , 2021, 11, 6375.	1.6	74
4831	Senescent cells as promising targets to tackle age-related diseases. <i>Ageing Research Reviews</i> , 2021, 66, 101251.	5.0	28
4832	Correction for both common and rare cell types in blood is important to identify genes that correlate with age. <i>BMC Genomics</i> , 2021, 22, 184.	1.2	5
4833	The functional impact of nuclear reorganization in cellular senescence. <i>Briefings in Functional Genomics</i> , 2022, 21, 24-34.	1.3	21

#	ARTICLE	IF	CITATIONS
4834	Multimodal Image Analysis of Apparent Brain Age Identifies Physical Fitness as Predictor of Brain Maintenance. <i>Cerebral Cortex</i> , 2021, 31, 3393-3407.	1.6	25
4838	PA28 \pm overexpressing female mice maintain exploratory behavior and capacity to prevent protein aggregation in hippocampus as they age. <i>Aging Cell</i> , 2021, 20, e13336.	3.0	5
4840	The New Elderly Patient: A Necessary Upgrade. <i>Prosthesis</i> , 2021, 3, 99-104.	1.1	6
4841	Pancreatic Ductal Adenocarcinoma Arising in Young and Old Patients Displays Similar Molecular Features. <i>Cancers</i> , 2021, 13, 1234.	1.7	10
4842	Utilizing an Animal Model to Identify Brain Neurodegeneration-Related Biomarkers in Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3278.	1.8	1
4843	Protein interaction potential landscapes for yeast replicative aging. <i>Scientific Reports</i> , 2021, 11, 7143.	1.6	4
4844	A Balanced Act: The Effects of GH \pm “GHR \pm “IGF1 Axis on Mitochondrial Function. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 630248.	1.8	16
4845	Beneficial Impacts of Alpha-Eleostearic Acid from Wild Bitter Melon and Curcumin on Promotion of CDGSH Iron-Sulfur Domain 2: Therapeutic Roles in CNS Injuries and Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3289.	1.8	7
4846	An isocaloric moderately high-fat diet extends lifespan in male rats and <i>Drosophila</i> . <i>Cell Metabolism</i> , 2021, 33, 581-597.e9.	7.2	24
4847	Can aging research generate a theory of health?. <i>History and Philosophy of the Life Sciences</i> , 2021, 43, 45.	0.6	12
4848	Aging of the immune system and impaired muscle regeneration: A failure of immunomodulation of adult myogenesis. <i>Experimental Gerontology</i> , 2021, 145, 111200.	1.2	26
4849	The effects of BMMSC treatment on lung tissue degeneration in elderly macaques. <i>Stem Cell Research and Therapy</i> , 2021, 12, 156.	2.4	5
4850	Subchondral bone microenvironment in osteoarthritis and pain. <i>Bone Research</i> , 2021, 9, 20.	5.4	190
4851	Mutagenesis screen uncovers lifespan extension through integrated stress response inhibition without reduced mRNA translation. <i>Nature Communications</i> , 2021, 12, 1678.	5.8	18
4852	Hallmarks of environmental insults. <i>Cell</i> , 2021, 184, 1455-1468.	13.5	177
4853	Salivary pH and oral health of Brazilian para \hat{a} €athletes: Saliva and oral health of para \hat{a} €athletes. <i>Special Care in Dentistry</i> , 2021, 41, 505-511.	0.4	3
4854	Heterogeneity and Dynamics of Vasculature in the Endocrine System During Aging and Disease. <i>Frontiers in Physiology</i> , 2021, 12, 624928.	1.3	9

#	ARTICLE	IF	CITATIONS
4856	Short and dysfunctional telomeres sensitize the kidneys to develop fibrosis. <i>Nature Aging</i> , 2021, 1, 269-283.	5.3	9
4857	Inactivating histone deacetylase HDA promotes longevity by mobilizing trehalose metabolism. <i>Nature Communications</i> , 2021, 12, 1981.	5.8	29
4858	SARS-CoV-2 infection represents a high risk for the elderly: analysis of pathogenesis. <i>Archives of Virology</i> , 2021, 166, 1565-1574.	0.9	16
4859	Aging in psoriasis vulgaris: female patients are epigenetically older than healthy controls. <i>Immunity and Ageing</i> , 2021, 18, 10.	1.8	7
4860	Functional genomics of inflamm-aging and immunosenescence. <i>Briefings in Functional Genomics</i> , 2022, 21, 43-55.	1.3	16
4861	Circulating fatty acids and endocannabinoidome-related mediator profiles associated to human longevity. <i>GeroScience</i> , 2021, 43, 1783-1798.	2.1	9
4862	A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111426.	2.2	14
4863	Frailty: Past, present, and future?. <i>Sports Medicine and Health Science</i> , 2021, 3, 1-10.	0.7	18
4864	Mitochondrial dysfunction in neurodegenerative diseases: A focus on iPSC-derived neuronal models. <i>Cell Calcium</i> , 2021, 94, 102362.	1.1	23
4865	Effects of lipoic acid supplementation on age- and iron-induced memory impairment, mitochondrial DNA damage and antioxidant responses. <i>European Journal of Nutrition</i> , 2021, 60, 3679-3690.	1.8	10
4866	Tet1 Deficiency Leads to Premature Ovarian Failure. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 644135.	1.8	13
4867	Genome-wide screens in yeast models towards understanding chronological lifespan regulation. <i>Briefings in Functional Genomics</i> , 2021, , .	1.3	10
4868	Enhancing lifespan of budding yeast by pharmacological lowering of amino acid pools. <i>Aging</i> , 2021, 13, 7846-7871.	1.4	10
4869	Sleep deprivation induces oxidative stress in the liver and pancreas in young and aging rats. <i>Heliyon</i> , 2021, 7, e06466.	1.4	6
4870	Inhibition of JAK-STAT Signaling Pathway Alleviates Age-Related Phenotypes in Tendon Stem/Progenitor Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 650250.	1.8	20
4871	Neuromodulation of BAG co-chaperones by HIV-1 viral proteins and H2O2: implications for HIV-associated neurological disorders. <i>Cell Death Discovery</i> , 2021, 7, 60.	2.0	3
4872	Treating Arterial Ageing in Patients with Diabetes: From Mechanisms to Effective Drugs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2796.	1.8	10
4873	Tracing skin aging process: a mini- review of in vitro approaches. <i>Biogerontology</i> , 2021, 22, 261-272.	2.0	10

#	ARTICLE	IF	CITATIONS
4874	Identification of Sox2 and NeuN Double-Positive Cells in the Mouse Hypothalamic Arcuate Nucleus and Their Reduction in Number With Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 609911.	1.7	6
4875	Muscular HSP70 content is higher in elderly compared to young, but is normalized after 12 weeks of strength training. <i>European Journal of Applied Physiology</i> , 2021, 121, 1689-1699.	1.2	2
4876	Autophagy response to acute high-intensity interval training and moderate-intensity continuous training is dissimilar in skeletal muscle and peripheral blood mononuclear cells and is influenced by sex. <i>Human Nutrition and Metabolism</i> , 2021, 23, 200118.	0.8	4
4877	Nutritive Manganese and Zinc Overdosing in Aging <i>C. elegans</i> Result in a Metallothionein-Mediated Alteration in Metal Homeostasis. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001176.	1.5	6
4879	Older but Not Wiser: the Age-Driven Changes in Neutrophil Responses during Pulmonary Infections. <i>Infection and Immunity</i> , 2021, 89, .	1.0	20
4880	Bioactive constituents from <i>Thunbergia erecta</i> as potential anticholinesterase and anti-ageing agents: Experimental and in silico studies. <i>Bioorganic Chemistry</i> , 2021, 108, 104643.	2.0	22
4881	Dystrophic microglia are associated with neurodegenerative disease and not healthy aging in the human brain. <i>Neurobiology of Aging</i> , 2021, 99, 19-27.	1.5	98
4882	Glycine and N-acetylcysteine (GlyNAC) supplementation in older adults improves glutathione deficiency, oxidative stress, mitochondrial dysfunction, inflammation, insulin resistance, endothelial dysfunction, genotoxicity, muscle strength, and cognition: Results of a pilot clinical trial. <i>Clinical and Translational Medicine</i> , 2021, 11, e372.	1.7	71
4883	Monoamine oxidases in age-associated diseases: New perspectives for old enzymes. <i>Ageing Research Reviews</i> , 2021, 66, 101256.	5.0	44
4884	Increased oxidative stress in elderly leprosy patients is related to age but not to bacillary load. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009214.	1.3	2
4887	The Zugzwang Hypothesis: Why Human Lifespan Cannot Be Increased. <i>Gerontology</i> , 2021, 67, 1-3.	1.4	1
4888	Implication of Dietary Iron-Chelating Bioactive Compounds in Molecular Mechanisms of Oxidative Stress-Induced Cell Ageing. <i>Antioxidants</i> , 2021, 10, 491.	2.2	16
4889	β^2 cell aging and age-related diabetes. <i>Aging</i> , 2021, 13, 7691-7706.	1.4	30
4890	Cancer and Aging: Two Tightly Interconnected Biological Processes. <i>Cancers</i> , 2021, 13, 1400.	1.7	83
4891	Tantalizing role of p53 molecular pathways and its coherent medications in neurodegenerative diseases. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 93-103.	3.6	20
4892	From mutation to mechanism: deciphering the molecular function of genetic variants linked to human ageing. <i>Briefings in Functional Genomics</i> , 2022, 21, 13-23.	1.3	4
4893	Population aging and trends of pulmonary tuberculosis incidence in the elderly. <i>BMC Infectious Diseases</i> , 2021, 21, 302.	1.3	10
4894	On the Role of Normal Aging Processes in the Onset and Pathogenesis of Diseases Associated with the Abnormal Accumulation of Protein Aggregates. <i>Biochemistry (Moscow)</i> , 2021, 86, 275-289.	0.7	6

#	ARTICLE	IF	CITATIONS
4896	Mayday sustains trans-synaptic BMP signaling required for synaptic maintenance with age. <i>ELife</i> , 2021, 10, .	2.8	5
4897	Mechanisms of Cellular Senescence: Cell Cycle Arrest and Senescence Associated Secretory Phenotype. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 645593.	1.8	608
4899	Skeletal muscle mitochondrial DNA copy number and mitochondrial DNA deletion mutation frequency as predictors of physical performance in older men and women. <i>GeroScience</i> , 2021, 43, 1253-1264.	2.1	16
4900	Transcriptomic profiling of long- and short-lived mutant mice implicates mitochondrial metabolism in ageing and shows signatures of normal ageing in progeroid mice. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111437.	2.2	6
4901	Homoharringtonine inhibits melanoma cells proliferation in vitro and vivo by inducing DNA damage, apoptosis, and G2/M cell cycle arrest. <i>Archives of Biochemistry and Biophysics</i> , 2021, 700, 108774.	1.4	14
4902	SIRT3 consolidates heterochromatin and counteracts senescence. <i>Nucleic Acids Research</i> , 2021, 49, 4203-4219.	6.5	74
4903	Ageing, cancer, and antitumor immunity. <i>International Journal of Clinical Oncology</i> , 2022, 27, 316-322.	1.0	29
4904	Osteogenic capacity of mesenchymal stem cells from patients with osteoporotic hip fractures in vivo. <i>Connective Tissue Research</i> , 2021, , 1-13.	1.1	4
4905	Proteomics in aging research: A roadmap to clinical, translational research. <i>Aging Cell</i> , 2021, 20, e13325.	3.0	59
4906	Unique Human and Mouse \hat{I}^2 -Cell Senescence-Associated Secretory Phenotype (SASP) Reveal Conserved Signaling Pathways and Heterogeneous Factors. <i>Diabetes</i> , 2021, 70, 1098-1116.	0.3	27
4907	The dark side of daylight: photoaging and the tumor microenvironment in melanoma progression. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	17
4908	Regulation of Age-Related Protein Toxicity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637084.	1.8	12
4909	Impact of Polyphenolic-Food on Longevity: An Elixir of Life. An Overview. <i>Antioxidants</i> , 2021, 10, 507.	2.2	41
4910	AKT-dependent signaling of extracellular cues through telomeres impact on tumorigenesis. <i>PLoS Genetics</i> , 2021, 17, e1009410.	1.5	8
4911	A Non-Toxic Concentration of Telomerase Inhibitor BIBR1532 Fails to Reduce TERT Expression in a Feeder-Free Induced Pluripotent Stem Cell Model of Human Motor Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3256.	1.8	5
4912	LRRK2 at the Crossroad of Aging and Parkinson's Disease. <i>Genes</i> , 2021, 12, 505.	1.0	17
4913	Epigenetic alterations in stem cell ageing—a promising target for age-reversing interventions?. <i>Briefings in Functional Genomics</i> , 2021, , .	1.3	1
4914	Acetylation Modification During Autophagy and Vascular Aging. <i>Frontiers in Physiology</i> , 2021, 12, 598267.	1.3	10

#	ARTICLE	IF	CITATIONS
4915	Glucosamine Displays a Potent Caloric Restriction Mimetic Effect in Senescent Rats by Activating Mitohormosis. <i>Rejuvenation Research</i> , 2021, 24, 220-226.	0.9	7
4916	Shortened relative leukocyte telomere length is associated with all-cause mortality in type 2 diabetes-analysis from the Hong Kong Diabetes Register. <i>Diabetes Research and Clinical Practice</i> , 2021, 173, 108649.	1.1	10
4919	Modeling Neuroregeneration and Neurorepair in an Aging Context: The Power of a Teleost Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 619197.	1.8	13
4920	Mitochondrial Permeability Transition: A Pore Intertwines Brain Aging and Alzheimer's Disease. <i>Cells</i> , 2021, 10, 649.	1.8	27
4921	Ablation of CRBN induces loss of type I collagen and SCH in mouse skin by fibroblast senescence via the p38 MAPK pathway. <i>Aging</i> , 2021, 13, 6406-6419.	1.4	7
4922	Healthy aging and the blood-brain barrier. <i>Nature Aging</i> , 2021, 1, 243-254.	5.3	116
4923	Targeting the Mitochondria-Proteostasis Axis to Delay Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 656201.	1.8	23
4924	PI3K/AKT/MTOR and ERK1/2-MAPK signaling pathways are involved in autophagy stimulation induced by caloric restriction or caloric restriction mimetics in cortical neurons. <i>Aging</i> , 2021, 13, 7872-7882.	1.4	15
4925	The Physiological Conundrum That is the Domestic Dog. <i>Integrative and Comparative Biology</i> , 2021, 61, 140-153.	0.9	10
4926	A Narrative Review on Plasminogen Activator Inhibitor-1 and Its (Patho)Physiological Role: To Target or Not to Target?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2721.	1.8	73
4927	Cardiovascular disease risk factors induce mesenchymal features and senescence in mouse cardiac endothelial cells. <i>ELife</i> , 2021, 10, .	2.8	13
4928	Physical activity and exercise in the context of SARS-Cov-2: A perspective from geroscience field. <i>Ageing Research Reviews</i> , 2021, 66, 101258.	5.0	3
4930	Common genetic associations between age-related diseases. <i>Nature Aging</i> , 2021, 1, 400-412.	5.3	55
4932	Lipid Remodeling in the Mitochondria upon Ageing during the Long-Lasting Cultivation of <i>Endomyces magnusii</i> . <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4069.	1.3	1
4933	SIRT6-CBP-dependent nuclear Tau accumulation and its role in protein synthesis. <i>Cell Reports</i> , 2021, 35, 109035.	2.9	26
4934	Hypoxia-inducible factor-2 β mediates senescence-associated intrinsic mechanisms of age-related bone loss. <i>Experimental and Molecular Medicine</i> , 2021, 53, 591-604.	3.2	14
4935	The Aging Skin: From Basic Mechanisms to Clinical Applications. <i>Journal of Investigative Dermatology</i> , 2021, 141, 949-950.	0.3	7
4936	SGLT2 Inhibitors as Calorie Restriction Mimetics: Insights on Longevity Pathways and Age-Related Diseases. <i>Endocrinology</i> , 2021, 162, .	1.4	35

#	ARTICLE	IF	CITATIONS
4937	The aging endothelium. <i>Vascular Biology (Bristol, England)</i> , 2021, 3, R35-R47.	1.2	20
4938	DNA Damage and the Aging Epigenome. <i>Journal of Investigative Dermatology</i> , 2021, 141, 961-967.	0.3	8
4939	Heritable variation in telomere length predicts mortality in Soay sheep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
4940	Immune Reconstitution in the Aging Host: Opportunities for Mechanism-Based Therapy in Allogeneic Hematopoietic Cell Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 674093.	2.2	6
4941	Chronic temperature stress inhibits reproduction and disrupts endocytosis via chaperone titration in <i>Caenorhabditis elegans</i> . <i>BMC Biology</i> , 2021, 19, 75.	1.7	8
4942	A comprehensive transcriptome signature of murine hematopoietic stem cell aging. <i>Blood</i> , 2021, 138, 439-451.	0.6	52
4943	Inflammaging and the Skin. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1087-1095.	0.3	87
4944	Advances in Understanding of the Role of Lipid Metabolism in Aging. <i>Cells</i> , 2021, 10, 880.	1.8	60
4946	A cross-sectional study of functional and metabolic changes during aging through the lifespan in male mice. <i>ELife</i> , 2021, 10, .	2.8	47
4947	Bone Aging, Cellular Senescence, and Osteoporosis. <i>JBMR Plus</i> , 2021, 5, e10488.	1.3	65
4949	Genetics of Cardiovascular Disease: How Far Are We from Personalized CVD Risk Prediction and Management?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4182.	1.8	25
4950	Association among extracellular superoxide dismutase genotype, plasma concentration, and comorbidity in the very old and centenarians. <i>Scientific Reports</i> , 2021, 11, 8539.	1.6	10
4951	Noninvasive Analysis Using Data-Independent Acquisition Mass Spectrometry: New Epidermal Proteins That Reveal Sex Differences in the Aging Process. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	1.9	0
4952	Regional Diets Targeting Gut Microbial Dynamics to Support Prolonged Healthspan. <i>Frontiers in Microbiology</i> , 2021, 12, 659465.	1.5	4
4953	Translational control of gene expression by eIF2 modulates proteostasis and extends lifespan. <i>Aging</i> , 2021, 13, 10989-11009.	1.4	6
4954	CISD2 maintains cellular homeostasis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118954.	1.9	39
4955	eIF5A hypusination, boosted by dietary spermidine, protects from premature brain aging and mitochondrial dysfunction. <i>Cell Reports</i> , 2021, 35, 108941.	2.9	56
4956	Ageing modulates human dermal fibroblast contractility: Quantification using nano-biomechanical testing. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118972.	1.9	9

#	ARTICLE	IF	CITATIONS
4957	No Time to Age: Uncoupling Aging from Chronological Time. <i>Genes</i> , 2021, 12, 611.	1.0	12
4958	High social status males experience accelerated epigenetic aging in wild baboons. <i>ELife</i> , 2021, 10, .	2.8	59
4959	Secondary <scp>CoQ₁₀</scp> deficiency, bioenergetics unbalance in disease and aging. <i>BioFactors</i> , 2021, 47, 551-569.	2.6	19
4961	Aging features of the migratory locust at physiological and transcriptional levels. <i>BMC Genomics</i> , 2021, 22, 257.	1.2	5
4962	Metabolic Syndrome as the First Stage of Eldership; the Beginning of Real Aging. , 0, , .		1
4964	Cytoplasmic DNA sensing by KU complex in aged CD4+ TĀcell potentiates TĀcell activation and aging-related autoimmune inflammation. <i>Immunity</i> , 2021, 54, 632-647.e9.	6.6	37
4965	The Challenge of Unlocking the Biological Secrets of Aging. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	3
4966	Puerarin blocks the aging phenotype in human dermal fibroblasts. <i>PLoS ONE</i> , 2021, 16, e0249367.	1.1	8
4967	A signature of 24 aging-related gene pairs predict overall survival in gastric cancer. <i>BioMedical Engineering OnLine</i> , 2021, 20, 35.	1.3	6
4968	Nutritional Mediators of Cellular Decline and Mitochondrial Dysfunction in Older Adults. <i>Geriatrics (Switzerland)</i> , 2021, 6, 37.	0.6	3
4969	Hyperbaric oxygen therapy effectively alleviates D-galactose-induced-age-related cardiac dysfunction via attenuating mitochondrial dysfunction in pre-diabetic rats. <i>Aging</i> , 2021, 13, 10955-10972.	1.4	9
4970	Environmental pollutants exposure: A potential contributor for aging and age-related diseases. <i>Environmental Toxicology and Pharmacology</i> , 2021, 83, 103575.	2.0	20
4971	Lipids: biomarkers of healthy aging. <i>Biogerontology</i> , 2021, 22, 273-295.	2.0	17
4972	Proteomic Studies of Primary Acute Myeloid Leukemia Cells Derived from Patients Before and during Disease-Stabilizing Treatment Based on All-Trans Retinoic Acid and Valproic Acid. <i>Cancers</i> , 2021, 13, 2143.	1.7	6
4973	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	12
4974	High-dimensional single cell mass cytometry analysis of the murine hematopoietic system reveals signatures induced by ageing and physiological pathogen challenges. <i>Immunity and Ageing</i> , 2021, 18, 20.	1.8	5
4975	Healthy ageing and spermatogenesis. <i>Reproduction</i> , 2021, 161, R89-R101.	1.1	23
4976	Resveratrol: Change of SIRT 1 and AMPK signaling pattern during the aging process. <i>Experimental Gerontology</i> , 2021, 146, 111226.	1.2	14

#	ARTICLE	IF	CITATIONS
4977	Vascular Senescence: A Potential Bridge Between Physiological Aging and Neurogenic Decline. <i>Frontiers in Neuroscience</i> , 2021, 15, 666881.	1.4	9
4978	Nicotinamide Phosphoribosyltransferase as a Key Molecule of the Aging/Senescence Process. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3709.	1.8	21
4979	Mouse aging cell atlas analysis reveals global and cell type-specific aging signatures. <i>ELife</i> , 2021, 10, .	2.8	64
4980	Cell competition removes segmental aneuploid cells from <i>Drosophila</i> imaginal disc-derived tissues based on ribosomal protein gene dose. <i>ELife</i> , 2021, 10, .	2.8	25
4981	Metastasis-Initiating Cells and Ecosystems. <i>Cancer Discovery</i> , 2021, 11, 971-994.	7.7	134
4982	An energetics perspective on geroscience: mitochondrial protonmotive force and aging. <i>GeroScience</i> , 2021, 43, 1591-1604.	2.1	32
4983	The central role of DNA damage in the ageing process. <i>Nature</i> , 2021, 592, 695-703.	13.7	340
4984	Novel Strategies for Healthy Brain Aging. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 115-125.	1.6	14
4985	Idiopathic pulmonary fibrosis beyond the lung: understanding disease mechanisms to improve diagnosis and management. <i>Respiratory Research</i> , 2021, 22, 109.	1.4	65
4986	A ride through the epigenetic landscape: aging reversal by reprogramming. <i>GeroScience</i> , 2021, 43, 463-485.	2.1	12
4987	Incorporation of a nucleoside analog maps genome repair sites in postmitotic human neurons. <i>Science</i> , 2021, 372, 91-94.	6.0	68
4988	Social acceptance of serious games for physical and cognitive training in older adults residing in ambient assisted living environments. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2022, 30, 63-75.	0.8	5
4989	Sir4 Deficiency Reverses Cell Senescence by Sub-Telomere Recombination. <i>Cells</i> , 2021, 10, 778.	1.8	4
4990	Postnatal Catch-Up Growth Programs Telomere Dynamics and Glucose Intolerance in Low Birth Weight Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3657.	1.8	6
4991	Cystic Fibrosis Lung Disease in the Aging Population. <i>Frontiers in Pharmacology</i> , 2021, 12, 601438.	1.6	9
4992	Sensory and memory processing in old female and male Wistar rat brain, and its relationship with the cortical and hippocampal redox state. <i>GeroScience</i> , 2021, 43, 1899-1920.	2.1	5
4994	circACTA2 mediates Ang II-induced VSMC senescence by modulation of the interaction of ILF3 with CDK4 mRNA. <i>Aging</i> , 2021, 13, 11610-11628.	1.4	27
4995	Mouse Models for Deciphering the Impact of Homologous Recombination on Tumorigenesis. <i>Cancers</i> , 2021, 13, 2083.	1.7	8

#	ARTICLE	IF	CITATIONS
4996	Transcriptomic Signatures of Ageing Vary in Solitary and Social Forms of an Orchid Bee. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	10
4997	Ageing affects subtelomeric DNA methylation in blood cells from a large European population enrolled in the MARK-AGE study. <i>GeroScience</i> , 2021, 43, 1283-1302.	2.1	4
4998	Genome instability and loss of protein homeostasis: converging paths to neurodegeneration?. <i>Open Biology</i> , 2021, 11, 200296.	1.5	26
4999	Role and mechanisms of autophagy in lung metabolism and repair. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5051-5068.	2.4	11
5000	Human skin aging is associated with increased expression of the histone variant H2A.J in the epidermis. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 7.	4.5	32
5001	Impact of Aging on Liver Cells and Liver Disease: Focus on the Biliary and Vascular Compartments. <i>Hepatology Communications</i> , 2021, 5, 1125-1137.	2.0	18
5002	Epigenetic clock and methylation study of oocytes from a bovine model of reproductive aging. <i>Aging Cell</i> , 2021, 20, e13349.	3.0	25
5003	Frailty and HIV: Moving from Characterization to Intervention. <i>Current HIV/AIDS Reports</i> , 2021, 18, 157-175.	1.1	15
5004	Effect of CCL11 on In Vitro Myogenesis and Its Clinical Relevance for Sarcopenia in Older Adults. <i>Endocrinology and Metabolism</i> , 2021, 36, 455-465.	1.3	4
5005	Ageing and Alzheimer's disease connection: Nuclear Tau and lamin A. <i>Neuroscience Letters</i> , 2021, 749, 135741.	1.0	15
5006	The ocular surface immune system through the eyes of aging. <i>Ocular Surface</i> , 2021, 20, 139-162.	2.2	31
5007	The aging lung: Physiology, disease, and immunity. <i>Cell</i> , 2021, 184, 1990-2019.	13.5	175
5008	white regulates proliferative homeostasis of intestinal stem cells during ageing in <i>Drosophila</i> . <i>Nature Metabolism</i> , 2021, 3, 546-557.	5.1	29
5009	Life course socioeconomic position and DNA methylation age acceleration in mid-life. <i>Journal of Epidemiology and Community Health</i> , 2021, 75, 1084-1090.	2.0	17
5010	Clonal haematopoiesis of indeterminate potential: intersections between inflammation, vascular disease and heart failure. <i>Clinical Science</i> , 2021, 135, 991-1007.	1.8	18
5012	A Rapidly Aging World in the 21st Century: Hopes from Glycomics and Unraveling the Biomarkers of Aging with the Sugar Code. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 242-248.	1.0	5
5013	Prediction of biological age and evaluation of genome-wide dynamic methylomic changes throughout human aging. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	3
5015	Early detection of accelerated aging and cellular decline (AACD): A consensus statement. <i>Experimental Gerontology</i> , 2021, 146, 111242.	1.2	5

#	ARTICLE	IF	CITATIONS
5016	The biphasic and age-dependent impact of klotho on hallmarks of aging and skeletal muscle function. <i>ELife</i> , 2021, 10, .	2.8	22
5017	The effects of nicotinamide adenine dinucleotide in cardiovascular diseases: Molecular mechanisms, roles and therapeutic potential. <i>Genes and Diseases</i> , 2022, 9, 959-972.	1.5	9
5018	T cell markers recount the course of immunosenescence in healthy individuals and chronic kidney disease. <i>Clinical Immunology</i> , 2021, 225, 108685.	1.4	19
5020	Reprogramming: Emerging Strategies to Rejuvenate Aging Cells and Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3990.	1.8	22
5022	Differential role of melatonin in healthy brain aging: a systematic review and meta-analysis of the SAMP8 model. <i>Aging</i> , 2021, 13, 9373-9397.	1.4	11
5023	Compliance of the Physical Activity Guidelines Accumulated in Boutsâ€‰â‰¥10ÂMin and Nonbouts and Its Association With Body Composition and Physical Function: A Cross-Sectional Study in Brazilian Older Adults. <i>Journal of Aging and Physical Activity</i> , 2021, 29, 319-326.	0.5	3
5024	The Role of Artificial Intelligence in Managing Multimorbidity and Cancer. <i>Journal of Personalized Medicine</i> , 2021, 11, 314.	1.1	19
5025	Obesity and intestinal stem cell susceptibility to carcinogenesis. <i>Nutrition and Metabolism</i> , 2021, 18, 37.	1.3	8
5026	Physical Exercise: A Novel Tool to Protect Mitochondrial Health. <i>Frontiers in Physiology</i> , 2021, 12, 660068.	1.3	46
5027	Static Stretching Reduces Motoneuron Excitability: The Potential Role of Neuromodulation. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 126-132.	1.6	10
5028	Differential relationship of uric acid to mortality and clinical biomarkers of aging according to grip strength in older adults: a cohort study. <i>Aging</i> , 2021, 13, 10555-10583.	1.4	4
5029	Senescent Microglia: The Key to the Ageing Brain?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4402.	1.8	30
5030	Pathways of Non-enzymatic Lysine Acylation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 664553.	1.8	21
5032	Cellular stress responses of long-lived and cancer-resistant naked mole-rats. <i>Turkish Journal of Biochemistry</i> , 2021, 46, 205-212.	0.3	1
5033	Aging through an epitranscriptomic lens. <i>Nature Aging</i> , 2021, 1, 335-346.	5.3	13
5034	Molecular imaging of NAD + â€dependent deacetylase SIRT1 in the brain. <i>Alzheimer's and Dementia</i> , 2021, , .	0.4	3
5035	Interorganelle communication, aging, and neurodegeneration. <i>Genes and Development</i> , 2021, 35, 449-469.	2.7	32
5037	Kynurenine induces an age-related phenotype in bone marrow stromal cells. <i>Mechanisms of Ageing and Development</i> , 2021, 195, 111464.	2.2	13

#	ARTICLE	IF	CITATIONS
5038	The Impact of Vitamin C on Different System Models of Werner Syndrome. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 856-874.	2.5	5
5039	Long-term chronic caloric restriction alters miRNA profiles in the brain of ageing mice. <i>British Journal of Nutrition</i> , 2022, 127, 641-652.	1.2	4
5040	Connecting vascular aging and frailty in Alzheimer's disease. <i>Mechanisms of Ageing and Development</i> , 2021, 195, 111444.	2.2	14
5041	Nucleoside reverse transcriptase inhibitors and Kamuvudines inhibit amyloid- β^2 induced retinal pigmented epithelium degeneration. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 149.	7.1	16
5042	Association vs. Prediction: The Impact of Cortical Surface Smoothing and Parcellation on Brain Age. <i>Frontiers in Big Data</i> , 2021, 4, 637724.	1.8	6
5045	Casting iron into the cell fate mold. <i>Biochemical Journal</i> , 2021, 478, 1879-1883.	1.7	0
5046	Age-Related Alterations in the Testicular Proteome of a Non-Human Primate. <i>Cells</i> , 2021, 10, 1306.	1.8	7
5047	Age-Related Changes in Bone-Marrow Mesenchymal Stem Cells. <i>Cells</i> , 2021, 10, 1273.	1.8	19
5048	To breathe or not to breathe: Understanding how oxygen sensing contributes to age-related phenotypes. <i>Ageing Research Reviews</i> , 2021, 67, 101267.	5.0	13
5049	Immunotherapy for non-small cell lung cancer in the elderly population: a generic protocol. <i>The Cochrane Library</i> , 0, , .	1.5	0
5050	Chromosome Instability, Aging and Brain Diseases. <i>Cells</i> , 2021, 10, 1256.	1.8	23
5051	Autoimmunomic Signatures of Aging and Age-Related Neurodegenerative Diseases Are Associated With Brain Function and Ribosomal Proteins. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 679688.	1.7	7
5052	Utilizing Developmentally Essential Secreted Peptides Such as Thymosin Beta-4 to Remind the Adult Organs of Their Embryonic State—New Directions in Anti-Aging Regenerative Therapies. <i>Cells</i> , 2021, 10, 1343.	1.8	3
5053	Socioeconomic Disadvantage and the Pace of Biological Aging in Children. <i>Pediatrics</i> , 2021, 147, .	1.0	59
5054	GWENA: gene co-expression networks analysis and extended modules characterization in a single Bioconductor package. <i>BMC Bioinformatics</i> , 2021, 22, 267.	1.2	20
5055	Neuroinflammation in Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 524.	1.4	120
5056	Hallmarks of T cell aging. <i>Nature Immunology</i> , 2021, 22, 687-698.	7.0	217
5057	Mitochondrial ROS and mitochondria-targeted antioxidants in the aged heart. <i>Free Radical Biology and Medicine</i> , 2021, 167, 109-124.	1.3	55

#	ARTICLE	IF	CITATIONS
5058	Acer Truncatum Seed Oil Alleviates Learning and Memory Impairments of Aging Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 680386.	1.8	6
5059	Early stem cell aging in the mature brain. <i>Cell Stem Cell</i> , 2021, 28, 955-966.e7.	5.2	78
5060	Specific epigenetic age acceleration patterns among four molecular subtypes of gastric cancer and their prognostic value. <i>Epigenomics</i> , 2021, 13, 767-778.	1.0	4
5061	Cerebroprotein hydrolysate protects senescence induced by D-galactose in PC12 cells and mice. <i>Food Science and Nutrition</i> , 2021, 9, 3722-3731.	1.5	2
5062	Loosening chromatin and dysregulated transcription: a perspective on cryptic transcription during mammalian aging. <i>Briefings in Functional Genomics</i> , 2022, 21, 56-61.	1.3	6
5063	Aged hematopoietic stem cells are refractory to bloodborne systemic rejuvenation interventions. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	48
5064	Proteomics and Epidemiological Models of Human Aging. <i>Frontiers in Physiology</i> , 2021, 12, 674013.	1.3	10
5066	Targeting impaired nutrient sensing with repurposed therapeutics to prevent or treat age-related cognitive decline and dementia: A systematic review. <i>Ageing Research Reviews</i> , 2021, 67, 101302.	5.0	13
5067	Epigenetic enzymes: A role in aging and prospects for pharmacological targeting. <i>Ageing Research Reviews</i> , 2021, 67, 101312.	5.0	16
5068	Increasing O-GlcNAcylation is neuroprotective in young and aged brains after ischemic stroke. <i>Experimental Neurology</i> , 2021, 339, 113646.	2.0	24
5069	Hypertension and Aging Affect Liver Sulfur Metabolism in Rats. <i>Cells</i> , 2021, 10, 1238.	1.8	12
5070	Effects of anagliptin on the stress induced accelerated senescence of human umbilical vein endothelial cells. <i>Annals of Translational Medicine</i> , 2021, 9, 750-750.	0.7	7
5071	Maternal stress programs a demasculinization of glutamatergic transmission in stress-related brain regions of aged rats. <i>GeroScience</i> , 2022, 44, 1047-1069.	2.1	5
5072	A biomimetic natural sciences approach to understanding the mechanisms of ageing in burden of lifestyle diseases. <i>Clinical Science</i> , 2021, 135, 1251-1272.	1.8	7
5073	Factors Associated with Age-Related Changes in Non-Smoking Urban Men and Women in China Determined by Low-Dose Computed Tomography Imaging. <i>Medical Science Monitor</i> , 2021, 27, e931006.	0.5	1
5075	Modulation of the ubiquitin-proteasome system by marine natural products. <i>Redox Biology</i> , 2021, 41, 101897.	3.9	12
5077	The rate by which mortality increase with age is the same for those who experienced chronic disease as for the general population. <i>Age and Ageing</i> , 2021, 50, 1633-1640.	0.7	7
5078	Measurements of mitochondrial NADH pool and NADH production rate in acute brain slices and primary cell cultures using live cell imaging. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
5079	From chronology to the biology of aging, and its tuning by mitochondrial health: overview of the Bioenergetics, Mitochondria, and Metabolism subgroup symposium at the 2021 Virtual 65th Annual Meeting of the Biophysical Society. <i>Biophysical Reviews</i> , 2021, 13, 311-314.	1.5	1
5080	Anti-oxidation properties and therapeutic potentials of spirulina. <i>Algal Research</i> , 2021, 55, 102240.	2.4	34
5081	The mitochondrial-derived peptide MOTS-c promotes homeostasis in aged human placenta-derived mesenchymal stem cells in vitro. <i>Mitochondrion</i> , 2021, 58, 135-146.	1.6	10
5083	Coronavirus Disease 19 and Future Ecological Crises: Hopes from Epigenomics and Unraveling Genome Regulation in Humans and Infectious Agents. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 269-278.	1.0	1
5084	Blood cadmium and physical function limitations in older adults. <i>Environmental Pollution</i> , 2021, 276, 116748.	3.7	7
5085	Region-specific vulnerability in neurodegeneration: lessons from normal ageing. <i>Ageing Research Reviews</i> , 2021, 67, 101311.	5.0	27
5086	Hallmarks of Aging in Macrophages: Consequences to Skin Inflammaging. <i>Cells</i> , 2021, 10, 1323.	1.8	30
5087	Monitoring mammalian mitochondrial translation with MitoRiboSeq. <i>Nature Protocols</i> , 2021, 16, 2802-2825.	5.5	16
5088	Blood and skeletal muscle ageing determined by epigenetic clocks and their associations with physical activity and functioning. <i>Clinical Epigenetics</i> , 2021, 13, 110.	1.8	15
5089	Hydrogen sulfide in longevity and pathologies: Inconsistency is malodorous. <i>Ageing Research Reviews</i> , 2021, 67, 101262.	5.0	19
5091	Low-intensity ultrasound restores long-term potentiation and memory in senescent mice through pleiotropic mechanisms including NMDAR signaling. <i>Molecular Psychiatry</i> , 2021, 26, 6975-6991.	4.1	32
5092	Obesity and aging: Molecular mechanisms and therapeutic approaches. <i>Ageing Research Reviews</i> , 2021, 67, 101268.	5.0	68
5093	Microbiota profiling in aging-associated inflammation and liver degeneration. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151500.	1.5	11
5094	Evidence and perspectives of cell senescence in neurodegenerative diseases. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111327.	2.5	52
5096	Anesthesia for the elderly: a narrative review. <i>Minerva Anestesiologica</i> , 2021, 87, 1128-1138.	0.6	8
5097	Aging-related genes are potential prognostic biomarkers for patients with gliomas. <i>Aging</i> , 2021, 13, 13239-13263.	1.4	17
5098	Longitudinal analysis of blood markers reveals progressive loss of resilience and predicts human lifespan limit. <i>Nature Communications</i> , 2021, 12, 2765.	5.8	50
5099	Coordinated changes in cellular behavior ensure the lifelong maintenance of the hippocampal stem cell population. <i>Cell Stem Cell</i> , 2021, 28, 863-876.e6.	5.2	106

#	ARTICLE	IF	CITATIONS
5101	Influence of Age on Skeletal Muscle Hypertrophy and Atrophy Signaling: Established Paradigms and Unexpected Links. <i>Genes</i> , 2021, 12, 688.	1.0	6
5102	Comparative analyses of aging-related genes in long-lived mammals provide insights into natural longevity. <i>Innovation(China)</i> , 2021, 2, 100108.	5.2	11
5103	Potential roles of natural products in the targeting of proteinopathic neurodegenerative diseases. <i>Neurochemistry International</i> , 2021, 145, 105011.	1.9	20
5104	Circadian Rhythm of NER and ATR Pathways. <i>Biomolecules</i> , 2021, 11, 715.	1.8	11
5105	Aging adipose: Depot location dictates age-associated expansion and dysfunction. <i>Ageing Research Reviews</i> , 2021, 67, 101259.	5.0	33
5106	The pleiotropic neuroprotective effects of resveratrol in cognitive decline and Alzheimer's disease pathology: From antioxidant to epigenetic therapy. <i>Ageing Research Reviews</i> , 2021, 67, 101271.	5.0	115
5107	The nuclear sirtuin SIRT6 protects the heart from developing aging-associated myocyte senescence and cardiac hypertrophy. <i>Aging</i> , 2021, 13, 12334-12358.	1.4	22
5110	Mitochondrial Dysfunction as a Driver of Cognitive Impairment in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4850.	1.8	88
5112	Restoration of energy homeostasis by SIRT6 extends healthy lifespan. <i>Nature Communications</i> , 2021, 12, 3208.	5.8	98
5113	Ranking Biomarkers of Aging by Citation Profiling and Effort Scoring. <i>Frontiers in Genetics</i> , 2021, 12, 686320.	1.1	40
5114	Glycosylation Biomarkers Associated with Age-Related Diseases and Current Methods for Glycan Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5788.	1.8	24
5115	Potential of Mesenchymal Stem Cells in the Rejuvenation of the Aging Immune System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5749.	1.8	7
5116	The Senolytic Drug JQ1 Removes Senescent Cells via Ferroptosis. <i>Tissue Engineering and Regenerative Medicine</i> , 2021, 18, 841-850.	1.6	16
5117	Importance of circadian timing for aging and longevity. <i>Nature Communications</i> , 2021, 12, 2862.	5.8	106
5118	The genomic loci of specific human tRNA genes exhibit ageing-related DNA hypermethylation. <i>Nature Communications</i> , 2021, 12, 2655.	5.8	10
5119	Collagen Biosynthesis, Processing, and Maturation in Lung Ageing. <i>Frontiers in Medicine</i> , 2021, 8, 593874.	1.2	48
5120	Aging as a consequence of selection to reduce the environmental risk of dying. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
5121	Compromised DNA Repair Promotes the Accumulation of Regulatory T Cells With an Aging-Related Phenotype and Responsiveness. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	6

#	ARTICLE	IF	CITATIONS
5123	Fibroinflammatory Signatures Increase with Age in the Human Ovary and Follicular Fluid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4902.	1.8	17
5124	Minimal changes in telomere length after a 12-week dietary intervention with almonds in mid-age to older, overweight and obese Australians: results of a randomised clinical trial. <i>British Journal of Nutrition</i> , 2022, 127, 872-884.	1.2	2
5125	Natural products as geroprotectors: An autophagy perspective. <i>Medicinal Research Reviews</i> , 2021, 41, 3118-3155.	5.0	9
5126	The plasticity of ageing and the rediscovery of ground-state prevention. <i>History and Philosophy of the Life Sciences</i> , 2021, 43, 67.	0.6	8
5127	FOXG1 promotes aging inner ear hair cell survival through activation of the autophagy pathway. <i>Autophagy</i> , 2021, 17, 4341-4362.	4.3	63
5128	Is cancer a disease set up by cellular stress responses?. <i>Cell Stress and Chaperones</i> , 2021, 26, 597-609.	1.2	2
5129	Preliminary Study of Serum Biomarkers Associated With Delirium After Major Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 118-124.	0.6	18
5130	Impact of aging on gene expression response to x-ray irradiation using mouse blood. <i>Scientific Reports</i> , 2021, 11, 10177.	1.6	9
5131	Alternative Animal Models of Aging Research. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 660959.	1.6	56
5132	Interferon regulatory factor 7 impairs cellular metabolism with age in adipose-derived stromal cells. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	5
5134	Antidiabetic E4orf1 protein prevents hepatic steatosis and reduces markers of aging-related cellular damage in high fat fed older mice. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002096.	1.2	7
5135	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. <i>ELife</i> , 2021, 10, .	2.8	40
5136	Functional conservation in genes and pathways linking ageing and immunity. <i>Immunity and Ageing</i> , 2021, 18, 23.	1.8	38
5137	Benefits of Living Without Growth Hormone. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1769-1774.	1.7	2
5138	Induced pluripotent stem cell-derived mesenchymal stem cells deliver exogenous miR-105-5p via small extracellular vesicles to rejuvenate senescent nucleus pulposus cells and attenuate intervertebral disc degeneration. <i>Stem Cell Research and Therapy</i> , 2021, 12, 286.	2.4	35
5139	Bone Marrow Multipotent Mesenchymal Stromal Cells as Autologous Therapy for Osteonecrosis: Effects of Age and Underlying Causes. <i>Bioengineering</i> , 2021, 8, 69.	1.6	9
5140	Transcriptomic profile of the mice aging lung is associated with inflammation and apoptosis as important pathways. <i>Aging</i> , 2021, 13, 12378-12394.	1.4	7
5141	The soma-germline communication: implications for somatic and reproductive aging. <i>BMB Reports</i> , 2021, 54, 253-259.	1.1	4

#	ARTICLE	IF	CITATIONS
5142	Aging-related markers in rat urine revealed by dynamic metabolic profiling using machine learning. <i>Aging</i> , 2021, 13, 14322-14341.	1.4	6
5143	Nrf2 a molecular therapeutic target for Astaxanthin. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111374.	2.5	48
5144	Gene Coexpression Network Reveals Highly Conserved, Well-Regulated Anti-Ageing Mechanisms in Old Ant Queens. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	10
5145	Effects of exercise on cellular and tissue aging. <i>Aging</i> , 2021, 13, 14522-14543.	1.4	27
5146	Sex differences in biological aging with a focus on human studies. <i>ELife</i> , 2021, 10, .	2.8	146
5147	Targeting the biology of ageing with mTOR inhibitors to improve immune function in older adults: phase 2b and phase 3 randomised trials. <i>The Lancet Healthy Longevity</i> , 2021, 2, e250-e262.	2.0	46
5148	The Stress of Lung Aging: Endoplasmic Reticulum and Senescence. <i>Physiology</i> , 2021, 36, 150-159.	1.6	7
5149	Cell Culture Studies: A Promising Approach to the Metabolomic Study of Human Aging. <i>Current Metabolomics and Systems Biology</i> , 2021, 8, 1-26.	0.6	4
5150	Mitophagy and Oxidative Stress: The Role of Aging. <i>Antioxidants</i> , 2021, 10, 794.	2.2	59
5151	CaMKII oxidation is a critical performance/disease trade-off acquired at the dawn of vertebrate evolution. <i>Nature Communications</i> , 2021, 12, 3175.	5.8	19
5152	Abnormalities in reparative function of lung-derived mesenchymal stromal cells in emphysema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L832-L844.	1.3	14
5153	Aging Delays Epimorphic Regeneration in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1726-1733.	1.7	8
5154	Targeting reactive oxygen species in stem cells for bone therapy. <i>Drug Discovery Today</i> , 2021, 26, 1226-1244.	3.2	24
5155	Association of branched-chain amino acid intake trajectory in adulthood with the risk of type 2 diabetes and its related risk factors. <i>Chinese Medical Journal</i> , 2021, Publish Ahead of Print, .	0.9	0
5156	Unravelling the mechanisms driving multimorbidity in COPD to develop holistic approaches to patient-centred care. <i>European Respiratory Review</i> , 2021, 30, 210041.	3.0	16
5157	Hutchinson-Gilford Progeria Syndrome: An Overview of the Molecular Mechanism, Pathophysiology and Therapeutic Approach. <i>Current Gene Therapy</i> , 2021, 21, 216-229.	0.9	17
5158	Mechanical Fingerprint of Senescence in Endothelial Cells. <i>Nano Letters</i> , 2021, 21, 4911-4920.	4.5	27
5159	Does the choosiness of female crickets change as they age?. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	4

#	ARTICLE	IF	CITATIONS
5160	H3K4 Methylation in Aging and Metabolism. <i>Epigenomes</i> , 2021, 5, 14.	0.8	9
5161	Lung Cancer Stem Cellsâ€™ Origin, Diagnostic Techniques and Perspective for Therapies. <i>Cancers</i> , 2021, 13, 2996.	1.7	14
5162	Effects of regular exercise on inflammasome activation-related inflammatory cytokine levels in older adults: a systematic review and meta-analysis. <i>Journal of Sports Sciences</i> , 2021, 39, 2338-2352.	1.0	12
5163	The Contribution of Epigenetic Inheritance Processes on Age-Related Cognitive Decline and Alzheimerâ€™s Disease. <i>Epigenomes</i> , 2021, 5, 15.	0.8	12
5164	Proteostasis Dysfunction in Aged Mammalian Cells. The Stressful Role of Inflammation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 658742.	1.6	16
5165	Redox and Anti-Inflammatory Properties from Hop Components in Beer-Related to Neuroprotection. <i>Nutrients</i> , 2021, 13, 2000.	1.7	23
5166	Cellular Senescence in Lung Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7012.	1.8	33
5167	Anthracycline chemotherapyâ€‘mediated vascular dysfunction as a model of accelerated vascular aging. <i>Aging and Cancer</i> , 2021, 2, 45-69.	0.5	14
5168	Attenuation of age-elevated blood factors by repositioning plasmapheresis: A novel perspective and approach. <i>Transfusion and Apheresis Science</i> , 2021, 60, 103162.	0.5	5
5169	Ageâ€‘related changes in metabolites in young donor livers and old recipient sera after liver transplantation from young to old rats. <i>Aging Cell</i> , 2021, 20, e13425.	3.0	13
5170	The search for antiâ€‘oxytotic/ferroptotic compounds in the plant world. <i>British Journal of Pharmacology</i> , 2021, 178, 3611-3626.	2.7	7
5171	Regulation of the one carbon folate cycle as a shared metabolic signature of longevity. <i>Nature Communications</i> , 2021, 12, 3486.	5.8	37
5172	Healthy ageing in the time of COVID-19: A wake-up call for action. <i>Maturitas</i> , 2021, 148, 62-64.	1.0	1
5173	Oocyte aging is controlled by mitogenâ€‘activated protein kinase signaling. <i>Aging Cell</i> , 2021, 20, e13386.	3.0	15
5174	Regenerative and stem cell-based techniques for facial rejuvenation. <i>Experimental Biology and Medicine</i> , 2021, 246, 1829-1837.	1.1	6
5175	Footprints in the Sand: Deep Taxonomic Comparisons in Vertebrate Genomics to Unveil the Genetic Programs of Human Longevity. <i>Frontiers in Genetics</i> , 2021, 12, 678073.	1.1	8
5176	Understanding the Impact of Industrial Stress Conditions on Replicative Aging in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Fungal Biology</i> , 2021, 2, .	0.9	12
5177	mTOR in Alzheimer disease and its earlier stages: Links to oxidative damage in the progression of this dementing disorder. <i>Free Radical Biology and Medicine</i> , 2021, 169, 382-396.	1.3	58

#	ARTICLE	IF	CITATIONS
5178	Are fat and sugar just as detrimental in old age?. <i>GeroScience</i> , 2021, 43, 1615-1625.	2.1	6
5179	Age and sex modify cellular proliferation responses to oxidative stress and glucocorticoid challenges in baboon cells. <i>GeroScience</i> , 2021, 43, 2067-2085.	2.1	5
5180	Football and team handball training postpone cellular aging in women. <i>Scientific Reports</i> , 2021, 11, 11733.	1.6	5
5181	Cell Cycle Re-entry in the Nervous System: From Polyploidy to Neurodegeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 698661.	1.8	18
5183	Sestryny jako modulatory procesów starzenia i chorób związanych z wiekiem*. <i>Postepy Higieny i Medycyny Doswiadczalnej</i> , 2021, 75, 437-447.	0.1	1
5184	The Influence of Mitochondrial Dynamics and Function on Retinal Ganglion Cell Susceptibility in Optic Nerve Disease. <i>Cells</i> , 2021, 10, 1593.	1.8	23
5185	UNC5B Promotes Vascular Endothelial Cell Senescence via the ROS-Mediated P53 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	8
5186	Senescence in Bacteria and Its Underlying Mechanisms. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 668915.	1.8	13
5187	Vaccination in Older Adults: An Underutilized Opportunity to Promote Healthy Aging in India. <i>Drugs and Aging</i> , 2021, 38, 469-479.	1.3	4
5188	Analysis of Age-Related Circular RNA Expression Profiles in Mesenchymal Stem Cells of Rat Bone Marrow. <i>Frontiers in Genetics</i> , 2021, 12, 600632.	1.1	10
5189	Early-life seasonal, weather and social effects on telomere length in a wild mammal. <i>Molecular Ecology</i> , 2022, 31, 5993-6007.	2.0	15
5190	Searching for female reproductive aging and longevity biomarkers. <i>Aging</i> , 2021, 13, 16873-16894.	1.4	16
5191	Cardiac senescence is alleviated by the natural flavone acacetin via enhancing mitophagy. <i>Aging</i> , 2021, 13, 16381-16403.	1.4	28
5192	Disability-adjusted life years associated with population ageing in China, 1990-2017. <i>BMC Geriatrics</i> , 2021, 21, 369.	1.1	9
5193	Inflammation, Aging and Hematopoiesis: A Complex Relationship. <i>Cells</i> , 2021, 10, 1386.	1.8	22
5194	Aging in Adult Survivors of Childhood Cancer: Implications for Future Care. <i>Journal of Clinical Oncology</i> , 2021, 39, 1741-1751.	0.8	6
5195	Meta-analysis of genome-wide DNA methylation and integrative omics of age in human skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1064-1078.	2.9	37
5196	Environmental enrichment preserves a young DNA methylation landscape in the aged mouse hippocampus. <i>Nature Communications</i> , 2021, 12, 3892.	5.8	29

#	ARTICLE	IF	CITATIONS
5197	Regulation of GH and GH Signaling by Nutrients. <i>Cells</i> , 2021, 10, 1376.	1.8	40
5198	Effect of physical activity and exercise on telomere length: Systematic review with meta-analysis. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3285-3300.	1.3	22
5199	Hallmarks of aging and immunosenescence: Connecting the dots. <i>Cytokine and Growth Factor Reviews</i> , 2021, 59, 9-21.	3.2	69
5200	The biological relevance of pigment epithelium-derived factor on the path from aging to age-related disease. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111478.	2.2	9
5201	Adipose-derived stem cells regulate metabolic homeostasis and delay aging by promoting mitophagy. <i>FASEB Journal</i> , 2021, 35, e21709.	0.2	28
5202	The Role of Ageing and Parenchymal Senescence on Macrophage Function and Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 700790.	2.2	11
5203	Islet Î²-cells physiological difference study of old and young mice based on single-cell transcriptomics. <i>Journal of Diabetes Investigation</i> , 2021, 12, 1775-1783.	1.1	3
5204	miR-125-chinmo pathway regulates dietary restriction-dependent enhancement of lifespan in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	13
5205	Beneficial Effects of Exogenous Ketogenic Supplements on Aging Processes and Age-Related Neurodegenerative Diseases. <i>Nutrients</i> , 2021, 13, 2197.	1.7	29
5206	The Effect of Probiotics on Health Outcomes in the Elderly: A Systematic Review of Randomized, Placebo-Controlled Studies. <i>Microorganisms</i> , 2021, 9, 1344.	1.6	17
5207	Postpartum sleep loss and accelerated epigenetic aging. <i>Sleep Health</i> , 2021, 7, 362-367.	1.3	20
5208	Young plasma administration mitigates depression-like behaviours in chronic mild stress-exposed aged rats by attenuating apoptosis in prefrontal cortex. <i>Experimental Physiology</i> , 2021, 106, 1621-1630.	0.9	11
5209	Age-Related Retinal Changes in Wild-Type C57BL/6J Mice Between 2 and 32 Months. , 2021, 62, 9.		27
5210	Osteoporosis: A Multifactorial Disease. , 0, , .		1
5211	Forgot to Exercise? Exercise Derived Circulating Myokines in Alzheimer's Disease: A Perspective. <i>Frontiers in Neurology</i> , 2021, 12, 649452.	1.1	14
5212	Interventional Strategies to Delay Aging-Related Dysfunctions of the Musculoskeletal System. , 0, , .		0
5213	New Perspectives on Avian Models for Studies of Basic Aging Processes. <i>Biomedicines</i> , 2021, 9, 649.	1.4	9
5214	SIRT3 Overexpression Ameliorates Asbestos-Induced Pulmonary Fibrosis, mt-DNA Damage, and Lung Fibrogenic Monocyte Recruitment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6856.	1.8	22

#	ARTICLE	IF	CITATIONS
5215	Lipocalin 2 serum levels correlate with age and bone turnover biomarkers in healthy subjects but not in postmenopausal osteoporotic women. <i>Bone Reports</i> , 2021, 14, 101059.	0.2	10
5216	Advancing Survivorship in Older Adults With Cancer. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1444-1446.	1.7	0
5217	Chronological and biological aging of the human left ventricular myocardium: Analysis of microRNAs contribution. <i>Aging Cell</i> , 2021, 20, e13383.	3.0	4
5218	2021 AAFP Feline Senior Care Guidelines. <i>Journal of Feline Medicine and Surgery</i> , 2021, 23, 613-638.	0.6	22
5219	The 6th International Lafora Epilepsy Workshop: Advances in the search for a cure. <i>Epilepsy and Behavior</i> , 2021, 119, 107975.	0.9	11
5220	Epigenetic clocks reveal a rejuvenation event during embryogenesis followed by aging. <i>Science Advances</i> , 2021, 7, .	4.7	63
5221	Endothelial Progenitor Cells Dysfunctions and Cardiometabolic Disorders: From Mechanisms to Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6667.	1.8	22
5222	Analysis of Methylation Dynamics Reveals a Tissue-Specific, Age-Dependent Decline in 5-Methylcytosine Within the Genome of the Vertebrate Aging Model <i>Nothobranchius furzeri</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 627143.	1.6	7
5224	Neuroprotective effects of bone marrow Sca-1+ cells against age-related retinal degeneration in OPTN E50K mice. <i>Cell Death and Disease</i> , 2021, 12, 613.	2.7	11
5225	Clinical features of 65-year-old individuals in Japan diagnosed with possible sarcopenia based on the Asian Working Group for Sarcopenia 2019 criteria. <i>Geriatrics and Gerontology International</i> , 2021, 21, 689-696.	0.7	14
5226	Age-Related Metabolic Pathways Changes in Dental Follicles: A Pilot Study. <i>Frontiers in Oral Health</i> , 2021, 2, 677731.	1.2	4
5227	Anti-aging effects of intermittent fasting: a potential alternative to calorie restriction?. <i>Biologia (Poland)</i> , 2021, 76, 2329-2336.	0.8	5
5228	Photobiomodulation has rejuvenating effects on aged bone marrow mesenchymal stem cells. <i>Scientific Reports</i> , 2021, 11, 13067.	1.6	10
5229	Covid-19 and ageing: four alternative conceptual frameworks. <i>History and Philosophy of the Life Sciences</i> , 2021, 43, 84.	0.6	0
5230	Inflammation, epigenetics, and metabolism converge to cell senescence and ageing: the regulation and intervention. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 245.	7.1	119
5231	DHA and Its Elaborated Modulation of Antioxidant Defenses of the Brain: Implications in Aging and AD Neurodegeneration. <i>Antioxidants</i> , 2021, 10, 907.	2.2	39
5232	Seeking Insights into Aging Through Yeast Mitochondrial Electrophysiology. <i>Bioelectricity</i> , 2021, 3, 111-115.	0.6	1
5235	Independent of physical activity, volumetric muscle loss injury in a murine model impairs whole-body metabolism. <i>PLoS ONE</i> , 2021, 16, e0253629.	1.1	10

#	ARTICLE	IF	CITATIONS
5236	The neural economics of brain aging. <i>Scientific Reports</i> , 2021, 11, 12167.	1.6	0
5237	MESENCHYMAL STEM CELLS RIF1, TCL1A, AND TERT MARKERS AS INDICATORS OF AGE ESTIMATION IN RATS. <i>The Egyptian Journal of Forensic Sciences and Applied Toxicology</i> , 2021, 21, 33-45.	0.1	0
5238	The Role of Protein Persulfidation in Brain Aging and Neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 674135.	1.7	36
5239	The AGE Presents Introduction to Geroscience video lecture series. <i>GeroScience</i> , 2021, 43, 1697-1701.	2.1	0
5240	Microglial Implications in SARS-CoV-2 Infection and COVID-19: Lessons From Viral RNA Neurotropism and Possible Relevance to Parkinson's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 670298.	1.8	40
5241	Rodent studies of developmental programming and ageing mechanisms. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13631.	1.7	8
5243	Mechanism of the lifespan extension induced by submaximal SERCA inhibition in <i>C. elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111474.	2.2	5
5244	NAD ⁺ -Precursor Supplementation With L-Tryptophan, Nicotinic Acid, and Nicotinamide Does Not Affect Mitochondrial Function or Skeletal Muscle Function in Physically Compromised Older Adults. <i>Journal of Nutrition</i> , 2021, 151, 2917-2931.	1.3	13
5245	Co-expression analysis identifies neuro-inflammation as a driver of sensory neuron aging in <i>Aplysia californica</i> . <i>PLoS ONE</i> , 2021, 16, e0252647.	1.1	4
5246	Resistance Exercise, Aging, Disuse, and Muscle Protein Metabolism. , 2021, 11, 2249-2278.		28
5247	Disruption of nucleocytoplasmic trafficking as a cellular senescence driver. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1092-1108.	3.2	19
5248	Loss of <i>Fis1</i> impairs proteostasis during skeletal muscle aging in <i>Drosophila</i> . <i>Aging Cell</i> , 2021, 20, e13379.	3.0	12
5249	Molecular and cellular pathways contributing to brain aging. <i>Behavioral and Brain Functions</i> , 2021, 17, 6.	1.4	64
5250	Different epigenetic signatures of newborn telomere length and telomere attrition rate in early life. <i>Aging</i> , 2021, 13, 14630-14650.	1.4	13
5251	miRNAs generated from Meg3-Mirg locus are downregulated during aging. <i>Aging</i> , 2021, 13, 15875-15897.	1.4	2
5252	Conceptual and Analytical Overlap Between Allostatic Load and Systemic Biological Aging Measures: Analyses From the National Survey of Midlife Development in the United States. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1179-1188.	1.7	10
5253	Late/post-term decidual basalis-derived mesenchymal stem/stromal cells show evidence of advanced ageing and downregulation of microRNA-516b-5p. <i>Placenta</i> , 2021, 109, 43-54.	0.7	1
5254	Towards Goals to Refine Prophylactic and Therapeutic Strategies Against COVID-19 Linked to Aging and Metabolic Syndrome. <i>Cells</i> , 2021, 10, 1412.	1.8	6

#	ARTICLE	IF	CITATIONS
5255	Risk of Death and Heart Failure among Patients with Type 2 Diabetes Treated by Metformin and Nonmetformin Monotherapy: A Real-World Study. <i>Journal of Diabetes Research</i> , 2021, 2021, 1-10.	1.0	5
5256	The effect of caloric restriction on the increase in senescence-associated T cells and metabolic disorders in aged mice. <i>PLoS ONE</i> , 2021, 16, e0252547.	1.1	9
5257	Comparison of endogenously expressed fluorescent protein fusions behaviour for protein quality control and cellular ageing research. <i>Scientific Reports</i> , 2021, 11, 12819.	1.6	8
5258	Nanocosmeceuticals for the management of ageing: Rigors and Vigors. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102448.	1.4	7
5259	Serotonin signaling modulates aging-associated metabolic network integrity in response to nutrient choice in <i>Drosophila melanogaster</i> . <i>Communications Biology</i> , 2021, 4, 740.	2.0	3
5260	Focus on gut microbiota in age-associated body changes. <i>Medical Alphabet</i> , 2021, , 44-51.	0.0	0
5261	Î³â€Oryzanol Improves Exercise Endurance and Muscle Strength by Upregulating PPARÎ´ and ERRÎ³ Activity in Aged Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000652.	1.5	14
5262	Evolutionary Changes in Pathways and Networks of Genes Expressed in the Brains of Humans and Macaques. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 1825-1837.	1.1	1
5263	Flavonoids in Skin Senescence Prevention and Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6814.	1.8	49
5265	Bach2 regulates autophagy to modulate UVA-induced photoaging in skin fibroblasts. <i>Free Radical Biology and Medicine</i> , 2021, 169, 304-316.	1.3	12
5266	Salamander Insights Into Ageing and Rejuvenation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 689062.	1.8	11
5267	Acid ceramidase promotes senescent cell survival. <i>Aging</i> , 2021, 13, 15750-15769.	1.4	11
5268	Shifting epigenetic contexts influence regulatory variation and disease risk. <i>Aging</i> , 2021, 13, 15699-15749.	1.4	2
5269	A risk signature of four aging-related genes has clinical prognostic value and is associated with a tumor immune microenvironment in glioma. <i>Aging</i> , 2021, 13, 16198-16218.	1.4	8
5270	Healthy, Active Aging for People and Dogs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 655191.	0.9	8
5271	Enhanced autophagy in <i>Becn1</i> ^{F121A/F121A} knockin mice counteracts aging-related neural stem cell exhaustion and dysfunction. <i>Autophagy</i> , 2022, 18, 409-422.	4.3	19
5272	Modeling transcriptomic age using knowledge-primed artificial neural networks. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 15.	4.5	27
5273	Longitudinal Changes in Epigenetic Age Acceleration in Aviremic Human Immunodeficiency Virusâ€Infected Recipients of Long-term Antiretroviral Treatment. <i>Journal of Infectious Diseases</i> , 2022, 225, 287-294.	1.9	10

#	ARTICLE	IF	CITATIONS
5274	Mitoprotective Effects of Centella asiatica (L.) Urb.: Anti-Inflammatory and Neuroprotective Opportunities in Neurodegenerative Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 687935.	1.6	23
5275	The Implication of Reactive Oxygen Species and Antioxidants in Knee Osteoarthritis. <i>Antioxidants</i> , 2021, 10, 985.	2.2	52
5276	Divergent immunometabolic changes in adipose tissue and skeletal muscle with ageing in healthy humans. <i>Journal of Physiology</i> , 2022, 600, 921-947.	1.3	18
5277	An essay on the nominal vs. real definitions of aging. <i>Biogerontology</i> , 2021, 22, 441-457.	2.0	9
5278	Implication of ferroptosis in aging. <i>Cell Death Discovery</i> , 2021, 7, 149.	2.0	38
5279	A description of the relationship in healthy longevity and aging-related disease: from gene to protein. <i>Immunity and Ageing</i> , 2021, 18, 30.	1.8	4
5281	Association of Markers of Inflammation, the Kynurenine Pathway and B Vitamins with Age and Mortality, and a Signature of Inflammaging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 826-836.	1.7	28
5282	Immune age and biological age as determinants of vaccine responsiveness among elderly populations: the Human Immunomics Initiative research program. <i>European Journal of Epidemiology</i> , 2021, 36, 753-762.	2.5	9
5283	Fitness vs Fatness as Determinants of Survival in Noninstitutionalized Older Adults: The EXERNET Multicenter Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , .	1.7	2
5284	Therapeutic Effects of Catechins in Less Common Neurological and Neurodegenerative Disorders. <i>Nutrients</i> , 2021, 13, 2232.	1.7	19
5285	Mitochondrial function in development and disease. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	1.2	48
5286	Mitochondrial DNA Copy Number and Developmental Origins of Health and Disease (DOHaD). <i>International Journal of Molecular Sciences</i> , 2021, 22, 6634.	1.8	14
5287	The Autophagy Inducer Spermidine Protects Against Metabolic Dysfunction During Overnutrition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1714-1725.	1.7	12
5288	Dynamic Aging: Channeled Through Microenvironment. <i>Frontiers in Physiology</i> , 2021, 12, 702276.	1.3	9
5289	Long-term administration of metformin ameliorates age-dependent oxidative stress and cognitive function in rats. <i>Behavioural Brain Research</i> , 2021, 410, 113343.	1.2	11
5290	Increased Levels of Circulating Cell-Free mtDNA in the Plasma of Subjects With Late-Life Depression and Frailty: A Preliminary Study. <i>American Journal of Geriatric Psychiatry</i> , 2022, 30, 332-337.	0.6	19
5291	The intrinsic chaperone network of Arabidopsis stem cells confers protection against proteotoxic stress. <i>Aging Cell</i> , 2021, 20, e13446.	3.0	15
5292	Vacuolar transporter Mnr2 safeguards organellar integrity in aged cells. <i>Molecular Microbiology</i> , 2021, 116, 861-876.	1.2	0

#	ARTICLE	IF	CITATIONS
5293	External environmental agents influence telomere length and telomerase activity by modulating internal cellular processes: Implications in human aging. <i>Environmental Toxicology and Pharmacology</i> , 2021, 85, 103633.	2.0	11
5294	Role of NF- κ B in Ageing and Age-Related Diseases: Lessons from Genetically Modified Mouse Models. <i>Cells</i> , 2021, 10, 1906.	1.8	45
5295	Die idiopathische pulmonale Fibrose jenseits der Lunge: Krankheitsmechanismen verstehen, um Diagnose und Therapie zu verbessern. <i>Karger Kompass Pneumologie</i> , 0, , 1-12.	0.0	0
5296	PNKP is required for maintaining the integrity of progenitor cell populations in adult mice. <i>Life Science Alliance</i> , 2021, 4, e202000790.	1.3	3
5297	Senescence in tissue samples of humans with age-related diseases: A systematic review. <i>Ageing Research Reviews</i> , 2021, 68, 101334.	5.0	32
5298	A "Gut Feeling" to Create a 10th Hallmark of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1891-1894.	1.7	6
5299	Redox imbalance in age-related ovarian dysfunction and perspectives for its prevention. <i>Ageing Research Reviews</i> , 2021, 68, 101345.	5.0	13
5300	Global, regional, and national burden of severe periodontitis, 1990–2019: An analysis of the Global Burden of Disease Study 2019. <i>Journal of Clinical Periodontology</i> , 2021, 48, 1165-1188.	2.3	173
5301	Licochalcone D Ameliorates Oxidative Stress-Induced Senescence via AMPK Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7324.	1.8	20
5303	Niche stiffening compromises hair follicle stem cell potential during ageing by reducing bivalent promoter accessibility. <i>Nature Cell Biology</i> , 2021, 23, 771-781.	4.6	51
5304	Natural products and skeletal muscle health. <i>Journal of Nutritional Biochemistry</i> , 2021, 93, 108619.	1.9	10
5308	Stem cell-secreted factor therapy regenerates the ovarian niche and rescues follicles. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 65.e1-65.e14.	0.7	15
5309	A Processed Electroencephalogram-Based Brain Anesthetic Resistance Index Is Associated With Postoperative Delirium in Older Adults: A Dual Center Study. <i>Anesthesia and Analgesia</i> , 2022, 134, 149-158.	1.1	11
5310	Cellular senescence or stemness: hypoxia flips the coin. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 243.	3.5	22
5311	Premature Aging in Chronic Kidney Disease: The Outcome of Persistent Inflammation beyond the Bounds. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8044.	1.2	13
5312	Optogenetic approaches for understanding homeostatic and degenerative processes in <i>Drosophila</i> . <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5865-5880.	2.4	4
5313	Is early life adversity a trigger towards inflammaging?. <i>Experimental Gerontology</i> , 2021, 150, 111377.	1.2	13
5314	Downregulation of DUOX1 function contributes to aging-related impairment of innate airway injury responses and accelerated senile emphysema. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L144-L158.	1.3	4

#	ARTICLE	IF	CITATIONS
5315	Comprehensive Genetic Analysis of DGAT2 Mutations and Gene Expression Patterns in Human Cancers. <i>Biology</i> , 2021, 10, 714.	1.3	3
5316	Stochastic and Age-Dependent Proteostasis Decline Underlies Heterogeneity in Heat Shock Response Dynamics. <i>Small</i> , 2021, 17, e2102145.	5.2	8
5317	Phytochemical Study and In Vitro Screening Focusing on the Anti-Aging Features of Various Plants of the Greek Flora. <i>Antioxidants</i> , 2021, 10, 1206.	2.2	14
5318	Spirometry: A practical lifespan predictor of global health and chronic respiratory and non-respiratory diseases. <i>European Journal of Internal Medicine</i> , 2021, 89, 3-9.	1.0	19
5319	Association between WNT-1-inducible signaling pathway protein-1 (WISP1) genetic polymorphisms and the risk of gastric cancer in Guangxi Chinese. <i>Cancer Cell International</i> , 2021, 21, 405.	1.8	6
5320	Comparative Analysis of Mammal Genomes Unveils Key Genomic Variability for Human Life Span. <i>Molecular Biology and Evolution</i> , 2021, 38, 4948-4961.	3.5	15
5321	Ageing of the gut microbiome: Potential influences on immune senescence and inflammaging. <i>Ageing Research Reviews</i> , 2021, 68, 101323.	5.0	62
5322	The relationships of lifetime physical activity and diet with salivary cell telomere length in current ultra-endurance exercisers. <i>Nutrition and Healthy Aging</i> , 2021, 6, 179-189.	0.5	0
5323	Lipid and metabolite correlation networks specific to clinical and biochemical covariate show differences associated with sexual dimorphism in a cohort of nonagenarians. <i>GeroScience</i> , 2021, , 1.	2.1	2
5324	Protective effects of fucoidan purified from <i>Undaria pinnatifida</i> against UV-irradiated skin photoaging. <i>Annals of Translational Medicine</i> , 2021, 9, 1185-1185.	0.7	9
5325	Dietary Restriction for Kidney Protection: Decline in Nephroprotective Mechanisms During Aging. <i>Frontiers in Physiology</i> , 2021, 12, 699490.	1.3	7
5326	Common Muscle Metabolic Signatures Highlight Arginine and Lysine Metabolism as Potential Therapeutic Targets to Combat Unhealthy Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7958.	1.8	10
5327	Age-related changes in the local milieu of inflamed tissues cause aberrant neutrophil trafficking and subsequent remote organ damage. <i>Immunity</i> , 2021, 54, 1494-1510.e7.	6.6	66
5328	Longevity pharmacology comes of age. <i>Drug Discovery Today</i> , 2021, 26, 1559-1562.	3.2	20
5329	Barcode sequencing and a high-throughput assay for chronological lifespan uncover ageing-associated genes in fission yeast. <i>Microbial Cell</i> , 2021, 8, 146-160.	1.4	19
5330	Improvement of cardiac and systemic function in old mice by agonist of growth hormone-releasing hormone. <i>Journal of Cellular Physiology</i> , 2021, 236, 8197-8207.	2.0	8
5331	Stem Cell Therapies for Progressive Multiple Sclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 696434.	1.8	25
5333	Role of Melatonin in Angiotensin and Aging. <i>Molecules</i> , 2021, 26, 4666.	1.7	4

#	ARTICLE	IF	CITATIONS
5334	A role for estrogen in skin ageing and dermal biomechanics. <i>Mechanisms of Ageing and Development</i> , 2021, 197, 111513.	2.2	19
5335	Cellular senescence in vascular wall mesenchymal stromal cells, a possible contribution to the development of aortic aneurysm. <i>Mechanisms of Ageing and Development</i> , 2021, 197, 111515.	2.2	11
5336	NFKB2 inhibits NRG1 transcription to affect nucleus pulposus cell degeneration and inflammation in intervertebral disc degeneration. <i>Mechanisms of Ageing and Development</i> , 2021, 197, 111511.	2.2	5
5337	Prospective Pharmacological Potential of Resveratrol in Delaying Kidney Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8258.	1.8	23
5338	Nrf2 activation induces mitophagy and reverses Parkin/Pink1 knock down-mediated neuronal and muscle degeneration phenotypes. <i>Cell Death and Disease</i> , 2021, 12, 671.	2.7	38
5339	DNA Methylation-Based Age Prediction and Telomere Length Reveal an Accelerated Aging in Induced Sputum Cells Compared to Blood Leukocytes: A Pilot Study in COPD Patients. <i>Frontiers in Medicine</i> , 2021, 8, 690312.	1.2	5
5340	Dissecting the Role of Mesenchymal Stem Cells in Idiopathic Pulmonary Fibrosis: Cause or Solution. <i>Frontiers in Pharmacology</i> , 2021, 12, 692551.	1.6	17
5341	Immunosenescence in Childhood Cancer Survivors and in Elderly: A Comparison and Implication for Risk Stratification. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	5
5343	A quantitative yeast aging proteomics analysis reveals novel aging regulators. <i>GeroScience</i> , 2021, 43, 2573-2593.	2.1	5
5344	Regulation and metabolic functions of mTORC1 and mTORC2. <i>Physiological Reviews</i> , 2021, 101, 1371-1426.	13.1	250
5345	Measuring Biologic Resilience in Older Cancer Survivors. <i>Journal of Clinical Oncology</i> , 2021, 39, 2079-2089.	0.8	17
5346	Sirtuin 6: linking longevity with genome and epigenome stability. <i>Trends in Cell Biology</i> , 2021, 31, 994-1006.	3.6	45
5348	Diversity of transcriptomic microglial phenotypes in aging and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 360-376.	0.4	46
5349	Ovarian Telomerase and Female Fertility. <i>Biomedicines</i> , 2021, 9, 842.	1.4	9
5350	Low-Intensity Exercise Routine for a Long Period of Time Prevents Osteosarcopenic Obesity in Sedentary Old Female Rats, by Decreasing Inflammation and Oxidative Stress and Increasing GDF-11. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	1.9	5
5351	Time-resolved proteomic profiling of cigarette smoke-induced experimental chronic obstructive pulmonary disease. <i>Respirology</i> , 2021, 26, 960-973.	1.3	22
5352	Targeting aging cells improves survival. <i>Science</i> , 2021, 373, 281-282.	6.0	9
5353	Integration of segmented regression analysis with weighted gene correlation network analysis identifies genes whose expression is remodeled throughout physiological aging in mouse tissues. <i>Aging</i> , 2021, 13, 18150-18190.	1.4	9

#	ARTICLE	IF	CITATIONS
5354	The ABCA1-efferocytosis axis: A new strategy to protect against atherosclerosis. <i>Clinica Chimica Acta</i> , 2021, 518, 1-8.	0.5	30
5355	Cancer-related vulnerable lesions in patients with stable coronary artery disease. <i>International Journal of Cardiology</i> , 2021, 335, 1-6.	0.8	3
5356	Oxidative Stress Induces Telomere Dysfunction and Shortening in Human Oocytes of Advanced Age Donors. <i>Cells</i> , 2021, 10, 1866.	1.8	18
5357	The Accumulating Costs Hypothesisâ€”to Better Understand Delayed â€œHiddenâ€•Costs of Seemingly Mild Disease and Other Moderate Stressors. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	5
5358	Lifespan-Associated Gene Expression Signatures of Recombinant BXD Mice Implicates Coro7 and Set in Longevity. <i>Frontiers in Genetics</i> , 2021, 12, 694033.	1.1	7
5359	The effect of young and old ex vivo human serum on cellular protein synthesis and growth in an in vitro model of aging. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C26-C37.	2.1	12
5360	The potential role of mesenchymal stem cells in modulating antiageing process. <i>Cell Biology International</i> , 2021, 45, 1999-2016.	1.4	5
5361	Increased levels of circulating cell-free mtDNA in plasma of late life depression subjects. <i>Journal of Psychiatric Research</i> , 2021, 139, 25-29.	1.5	18
5362	Temporal requirements of SKN-1/NRF as a regulator of lifespan and proteostasis in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2021, 16, e0243522.	1.1	9
5363	Telomere length in patients with osteoarthritis: a systematic review and meta-analysis. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 495-503.	1.4	7
5366	Systems toxicology study reveals reduced impact of heated tobacco product aerosol extract relative to cigarette smoke on premature aging and exacerbation effects in aged aortic cells in vitro. <i>Archives of Toxicology</i> , 2021, 95, 3341-3359.	1.9	7
5367	Senotherapeutics: Targeting senescent cells for the main age-related diseases. <i>Mechanisms of Ageing and Development</i> , 2021, 197, 111526.	2.2	29
5368	Combinatorial Approach Using <i>Caenorhabditis elegans</i> and Mammalian Systems for Aging Research. <i>Molecules and Cells</i> , 2021, 44, 425-432.	1.0	7
5369	Multi-omic profiling of primary mouse neutrophils predicts a pattern of sex- and age-related functional regulation. <i>Nature Aging</i> , 2021, 1, 715-733.	5.3	55
5370	Ageing-associated changes in DNA methylation in X and Y chromosomes. <i>Epigenetics and Chromatin</i> , 2021, 14, 33.	1.8	12
5371	Inhibition of Rag GTPase signaling in mice suppresses B cell responses and lymphomagenesis with minimal detrimental trade-offs. <i>Cell Reports</i> , 2021, 36, 109372.	2.9	6
5372	Alginate oligosaccharide alleviates Dâ€œgalactoseâ€•induced cardiac ageing via regulating myocardial mitochondria function and integrity in mice. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 7157-7168.	1.6	24
5373	Perturbed DNA methylation by <i>Gadd45b</i> induces chromatin disorganization, DNA strand breaks and dopaminergic neuron death. <i>IScience</i> , 2021, 24, 102756.	1.9	8

#	ARTICLE	IF	CITATIONS
5374	Role of heat shock proteins in aging and chronic inflammatory diseases. <i>GeroScience</i> , 2021, 43, 2515-2532.	2.1	15
5375	Therapeutic Ultrasound as a Treatment Modality for Physiological and Pathological Ageing Including Alzheimer's Disease. <i>Pharmaceutics</i> , 2021, 13, 1002.	2.0	4
5376	Group 2 innate lymphoid cells are numerically and functionally deficient in the triple transgenic mouse model of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2021, 18, 152.	3.1	11
5378	Determination of Biological Age: Geriatric Assessment vs Biological Biomarkers. <i>Current Oncology Reports</i> , 2021, 23, 104.	1.8	39
5379	Decoding and rejuvenating human ageing genomes: Lessons from mosaic chromosomal alterations. <i>Ageing Research Reviews</i> , 2021, 68, 101342.	5.0	21
5380	The old guard: Age-related changes in microglia and their consequences. <i>Mechanisms of Ageing and Development</i> , 2021, 197, 111512.	2.2	32
5381	Ribosome-associated quality control and CAT tailing. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2021, 56, 603-620.	2.3	14
5382	Senescent RAW264.7 cells exhibit increased production of nitric oxide and release inducible nitric oxide synthase in exosomes. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	4
5383	Common features of aging fail to occur in <i>Drosophila</i> raised without a bacterial microbiome. <i>IScience</i> , 2021, 24, 102703.	1.9	21
5384	Inhibition of the neuromuscular acetylcholine receptor with atracurium activates FOXO/DAF-16-induced longevity. <i>Ageing Cell</i> , 2021, 20, e13381.	3.0	9
5385	Epigenetic plasticity and redox regulation of neural stem cell state and fate. <i>Free Radical Biology and Medicine</i> , 2021, 170, 116-130.	1.3	12
5387	Regular football training down-regulates miR-1303 muscle expression in veterans. <i>European Journal of Applied Physiology</i> , 2021, 121, 2903-2912.	1.2	6
5388	Network Topology of Biological Aging and Geroscience-Guided Approaches to COVID-19. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	3
5389	<i>Pterocarpus marsupium</i> extract extends replicative lifespan in budding yeast. <i>GeroScience</i> , 2021, 43, 2595-2609.	2.1	6
5390	Prolonged proliferation and delayed senescence of the adipose-derived stem cells grown on the electrospun composite nanofiber co-encapsulated with TiO ₂ nanoparticles and metformin-loaded mesoporous silica nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120733.	2.6	34
5391	Lifetime depression and age-related changes in body composition, cardiovascular function, grip strength and lung function: sex-specific analyses in the UK Biobank. <i>Ageing</i> , 2021, 13, 17038-17079.	1.4	20
5392	Anti-Inflammatory Properties of Diet: Role in Healthy Aging. <i>Biomedicines</i> , 2021, 9, 922.	1.4	34
5393	Telomere shortening correlates with disease severity in hemoglobin H disease patients. <i>Blood Cells, Molecules, and Diseases</i> , 2021, 89, 102563.	0.6	0

#	ARTICLE	IF	CITATIONS
5394	Solvent-dependent tautomeric equilibrium between fluorescent colorimetric probes with dual mitochondrial/liposome targetability. <i>Dyes and Pigments</i> , 2021, 191, 109377.	2.0	2
5395	Targeting Aging: Lessons Learned From Immunometabolism and Cellular Senescence. <i>Frontiers in Immunology</i> , 2021, 12, 714742.	2.2	14
5396	Relationship of superoxide dismutase to rotator cuff injury/tear in a rat model. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1006-1015.	1.2	5
5397	Microenvironmental control of cell fate decisions in mammary gland development and cancer. <i>Developmental Cell</i> , 2021, 56, 1875-1883.	3.1	12
5398	Manipulating the exposome to enable better ageing. <i>Biochemical Journal</i> , 2021, 478, 2889-2898.	1.7	26
5399	Friends and foes: Extracellular vesicles in aging and rejuvenation. <i>FASEB BioAdvances</i> , 2021, 3, 787-801.	1.3	15
5400	Prephase rituximab/prednisone therapy and aging-related, proinflammatory cytokine milieu in older, vulnerable patients with newly diagnosed diffuse large B-cell lymphoma. <i>Haematologica</i> , 2022, 107, 1144-1152.	1.7	6
5401	On the Role of Paraoxonase-1 and Chemokine Ligand 2 (C-C motif) in Metabolic Alterations Linked to Inflammation and Disease. A 2021 Update. <i>Biomolecules</i> , 2021, 11, 971.	1.8	21
5402	L-Theanine Ameliorates d-Galactose-Induced Brain Damage in Rats via Inhibiting AGE Formation and Regulating Sirtuin1 and BDNF Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	12
5403	The Potential of Calorie Restriction and Calorie Restriction Mimetics in Delaying Aging: Focus on Experimental Models. <i>Nutrients</i> , 2021, 13, 2346.	1.7	18
5404	Neonatal Maternal Separation Modifies Proteostasis Marker Expression in the Adult Hippocampus. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 661993.	1.4	6
5405	Loss of <i>klf11</i> causes reduced motor ability and short lifespan in zebrafish. <i>Scientific Reports</i> , 2021, 11, 15090.	1.6	6
5406	Transcriptome Profiling Reveals CD73 and Age-Driven Changes in Neutrophil Responses against <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2021, 89, e0025821.	1.0	10
5407	Towards a better understanding of the neuro-developmental role of autophagy in sickness and in health. <i>Cell Stress</i> , 2021, 5, 99-118.	1.4	13
5409	The modification of cancer risk by chemicals. <i>Toxicology Research</i> , 2021, 10, 800-809.	0.9	2
5411	RNA Polymerase III, Ageing and Longevity. <i>Frontiers in Genetics</i> , 2021, 12, 705122.	1.1	11
5412	From DNA damage to mutations: All roads lead to aging. <i>Ageing Research Reviews</i> , 2021, 68, 101316.	5.0	55
5413	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. <i>Nature Aging</i> , 2021, 1, 598-615.	5.3	202

#	ARTICLE	IF	CITATIONS
5414	IGF-1 Haploinsufficiency Causes Age-Related Chronic Cochlear Inflammation and Increases Noise-Induced Hearing Loss. <i>Cells</i> , 2021, 10, 1686.	1.8	12
5415	Urine Cell-Free Mitochondrial DNA as a Marker of Weight Loss and Body Composition in Older Adults with HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2021, Publish Ahead of Print, 229-233.	0.9	6
5416	Terminal decline in objective and self-reported measures of motor function before death: 10 year follow-up of Whitehall II cohort study. <i>BMJ, The</i> , 2021, 374, n1743.	3.0	17
5417	Applying a Life Course Biological Age Framework to Improving the Care of Individuals With Adult Cancers. <i>JAMA Oncology</i> , 2021, 7, 1692.	3.4	22
5418	Revelations About Aging and Disease from Unconventional Vertebrate Model Organisms. <i>Annual Review of Genetics</i> , 2021, 55, 135-159.	3.2	12
5419	Employing Extracellular Matrix-Based Tissue Engineering Strategies for Age-Dependent Tissue Degenerations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9367.	1.8	11
5420	A Comprehensive, Multidisciplinary, Personalized, Lifestyle Intervention Program Is Associated with Increased Leukocyte Telomere Length in Children and Adolescents with Overweight and Obesity. <i>Nutrients</i> , 2021, 13, 2682.	1.7	7
5421	Curcumin as Prospective Anti-Aging Natural Compound: Focus on Brain. <i>Molecules</i> , 2021, 26, 4794.	1.7	44
5423	Curcumin nanoformulations to combat aging-related diseases. <i>Ageing Research Reviews</i> , 2021, 69, 101364.	5.0	41
5424	In vivo Pooled Screening: A Scalable Tool to Study the Complexity of Aging and Age-Related Disease. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	1
5425	Mini-review: The anti-aging effects of lithium in bipolar disorder. <i>Neuroscience Letters</i> , 2021, 759, 136051.	1.0	12
5426	Recent advances in measuring and understanding the regulation of exercise-mediated protein degradation in skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C276-C287.	2.1	14
5428	Role of cell competition in ageing. <i>Developmental Biology</i> , 2021, 476, 79-87.	0.9	10
5429	Antiaging Effects of <i>Vicatia thibetica</i> de Boiss Root Extract on <i>Caenorhabditis elegans</i> and Doxorubicin-Induced Premature Aging in Adult Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	1
5430	Extracellular vesicles tell all: How vesicle-mediated cellular communication shapes hematopoietic stem cell biology with increasing age. <i>Experimental Hematology</i> , 2021, 101-102, 7-15.	0.2	5
5431	Functional decline among older cancer survivors in the Baltimore longitudinal study of aging. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3124-3133.	1.3	15
5432	Altered chromatin states drive cryptic transcription in aging mammalian stem cells. <i>Nature Aging</i> , 2021, 1, 684-697.	5.3	26
5433	Aging, Cell Senescence, the Pathogenesis and Targeted Therapies of Osteoarthritis. <i>Frontiers in Pharmacology</i> , 2021, 12, 728100.	1.6	31

#	ARTICLE	IF	CITATIONS
5434	The Evolution of the Hallmarks of Aging. <i>Frontiers in Genetics</i> , 2021, 12, 693071.	1.1	28
5435	Longer Leukocytes Telomere Length Predicts a Significant Survival Advantage in the Elderly TRELONG Cohort, with Short Physical Performance Battery Score and Years of Education as Main Determinants for Telomere Elongation. <i>Journal of Clinical Medicine</i> , 2021, 10, 3700.	1.0	10
5436	Inhibition of the NLRP3 inflammasome improves lifespan in animal murine model of Hutchinsonâ€™Gilford Progeria. <i>EMBO Molecular Medicine</i> , 2021, 13, e14012.	3.3	17
5437	The Î”40p53 isoform inhibits p53-dependent eRNA transcription and enables regulation by signal-specific transcription factors during p53 activation. <i>PLoS Biology</i> , 2021, 19, e3001364.	2.6	14
5438	Dynamic regulation of mitochondrial-endoplasmic reticulum crosstalk during stem cell homeostasis and aging. <i>Cell Death and Disease</i> , 2021, 12, 794.	2.7	6
5439	EPHX1 mutations cause a lipotrophic diabetes syndrome due to impaired epoxide hydrolysis and increased cellular senescence. <i>ELife</i> , 2021, 10, .	2.8	16
5440	Hsf1 promotes hematopoietic stem cell fitness and proteostasis in response to exÂvivo culture stress and aging. <i>Cell Stem Cell</i> , 2021, 28, 1950-1965.e6.	5.2	47
5441	The degree of frailty as a translational measure of health in aging. <i>Nature Aging</i> , 2021, 1, 651-665.	5.3	104
5444	Neuroprotective effects of salidroside on ageing hippocampal neurons and naturally ageing mice via the <sc>PI3K</sc>/<sc>Akt</sc>/<sc>TERT</sc> pathway. <i>Phytotherapy Research</i> , 2021, 35, 5767-5780.	2.8	17
5445	p53 regulated senescence mechanism and role of its modulators in age-related disorders. <i>Biochemical Pharmacology</i> , 2021, 190, 114651.	2.0	15
5446	Canine Cognitive Dysfunction (CCD) scores correlate with amyloid beta 42 levels in dog brain tissue. <i>GeroScience</i> , 2021, 43, 2379-2386.	2.1	21
5447	Understanding the role of host metabolites in the induction of immunesenescence: future strategies for keeping the ageing population healthy. <i>British Journal of Pharmacology</i> , 2021, , .	2.7	10
5448	Inhibition of the cGASâ€™STING pathway ameliorates the premature senescence hallmarks of Ataxiaâ€™telangiectasia brain organoids. <i>Aging Cell</i> , 2021, 20, e13468.	3.0	42
5449	Cellular Senescence in Idiopathic Pulmonary Fibrosis. <i>Current Molecular Biology Reports</i> , 2021, 7, 31-40.	0.8	29
5450	The antagonistic pleiotropy of insulinâ€™like growth factor 1. <i>Aging Cell</i> , 2021, 20, e13443.	3.0	28
5451	Iodoacetic Acid, a Water Disinfection Byproduct, Disrupts Hypothalamic, and Pituitary Reproductive Regulatory Factors and Induces Toxicity in the Female Pituitary. <i>Toxicological Sciences</i> , 2021, 184, 46-56.	1.4	9
5452	Telomerase therapy reverses vascular senescence and extends lifespan in progeria mice. <i>European Heart Journal</i> , 2021, 42, 4352-4369.	1.0	38
5453	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615

#	ARTICLE	IF	CITATIONS
5454	Epigenetic clock and methylation studies in cats. <i>GeroScience</i> , 2021, 43, 2363-2378.	2.1	26
5455	Female Mice Reaching Exceptionally High Old Age Have Preserved 20S Proteasome Activities. <i>Antioxidants</i> , 2021, 10, 1397.	2.2	5
5456	Age and/or postmenopausal status as risk factors for pelvic organ prolapse development: systematic review with meta-analysis. <i>International Urogynecology Journal</i> , 2022, 33, 15-29.	0.7	17
5457	Aging under Pressure: The Roles of Reactive Oxygen and Nitrogen Species (RONS) Production and Aging Skeletal Muscle in Endothelial Function and Hypertensionâ€”From Biological Processes to Potential Interventions. <i>Antioxidants</i> , 2021, 10, 1247.	2.2	5
5458	Inflammation, a common mechanism in frailty and COVID19 , and stem cells as a therapeutic approach. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1482-1490.	1.6	8
5459	R-loops and regulatory changes in chronologically ageing fission yeast cells drive non-random patterns of genome rearrangements. <i>PLoS Genetics</i> , 2021, 17, e1009784.	1.5	2
5460	Cross-Species and Human Inter-Tissue Network Analysis of Genes Implicated in Longevity and Aging Reveal Strong Support for Nutrient Sensing. <i>Frontiers in Genetics</i> , 2021, 12, 719713.	1.1	13
5461	Pressing Questions and Challenges in the HIV-1 and SARS-CoV-2 Syndemic. <i>AIDS Research and Human Retroviruses</i> , 2021, 37, 589-600.	0.5	5
5462	Factors associated with brain ageing - a systematic review. <i>BMC Neurology</i> , 2021, 21, 312.	0.8	47
5463	Low Psychological Resilience in Older Individuals: An Association with Increased Inflammation, Oxidative Stress and the Presence of Chronic Medical Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8970.	1.8	22
5464	Circulating Cytokines Predict 1H-Proton MRS Cerebral Metabolites in Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 690923.	1.7	2
5465	ATP-dependent chromatin remodelers and aging. <i>Nucleus (India)</i> , 0, , 1.	0.9	1
5466	A Review of the Impact of Calorie Restriction on Stem Cell Potency. <i>The Malaysian Journal of Medical Sciences</i> , 2021, 28, 5-13.	0.3	4
5467	Functional Aging in Male C57BL/6J Mice Across the Life-Span: A Systematic Behavioral Analysis of Motor, Emotional, and Memory Function to Define an Aging Phenotype. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 697621.	1.7	75
5468	Transcriptomic Effects of Healthspan-Promoting Dietary Interventions: Current Evidence and Future Directions. <i>Frontiers in Nutrition</i> , 2021, 8, 712129.	1.6	7
5469	Major Insights in Dynamics of Host Response to SARS-CoV-2: Impacts and Challenges. <i>Frontiers in Microbiology</i> , 2021, 12, 637554.	1.5	8
5470	A systematic review of biological, social and environmental factors associated with epigenetic clock acceleration. <i>Ageing Research Reviews</i> , 2021, 69, 101348.	5.0	206
5471	Aging biomarkers and the brain. <i>Seminars in Cell and Developmental Biology</i> , 2021, 116, 180-193.	2.3	33

#	ARTICLE	IF	CITATIONS
5472	Relationship between inflammatory biomarkers and testosterone levels in male master athletes and non-athletes. <i>Experimental Gerontology</i> , 2021, 151, 111407.	1.2	7
5473	Exosomes and Micro-RNAs in Aging Process. <i>Biomedicines</i> , 2021, 9, 968.	1.4	12
5474	Occurrence, functionality and abundance of the <sc><i>TERT</i></sc> promoter mutations. <i>International Journal of Cancer</i> , 2021, 149, 1852-1862.	2.3	13
5476	Enhanced Activity of Exportin-1/CRM1 in Neurons Contributes to Autophagy Dysfunction and Senescent Features in Old Mouse Brain. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	1.9	9
5477	Lycium barbarum polysaccharides in ageing and its potential use for prevention and treatment of osteoarthritis: a systematic review. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 212.	1.2	10
5479	Engineered Aging Cardiac Tissue Chip Model for Studying Cardiovascular Disease. <i>Cells Tissues Organs</i> , 2022, 211, 348-359.	1.3	5
5480	The Ageing Brain: Molecular and Cellular Basis of Neurodegeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 683459.	1.8	94
5481	Intervention effects on selfâ€control decrease speed of biological aging mediated by changes in substance use: A longitudinal study of African American youth. <i>Family Process</i> , 2022, 61, 659-673.	1.4	6
5482	Normal to enhanced intrinsic mitochondrial respiration in skeletal muscle of middle- to older-aged women and men with uncomplicated type 1 diabetes. <i>Diabetologia</i> , 2021, 64, 2517-2533.	2.9	7
5483	Evaluating causality of cellular senescence in non-alcoholic fatty liver disease. <i>JHEP Reports</i> , 2021, 3, 100301.	2.6	30
5485	Intron retention as a new pre-symptomatic marker of aging and its recovery to the normal state by a traditional Japanese multi-herbal medicine. <i>Gene</i> , 2021, 794, 145752.	1.0	10
5486	Family socioeconomic status and child telomere length among the Samburu of Kenya. <i>Social Science and Medicine</i> , 2021, 283, 114182.	1.8	7
5487	Mitochondria-Induced Immune Response as a Trigger for Neurodegeneration: A Pathogen from Within. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8523.	1.8	19
5489	TDP43 ribonucleoprotein granules: physiologic function to pathologic aggregates. <i>RNA Biology</i> , 2021, 18, 128-138.	1.5	5
5490	Age-related alteration in characteristics, function, and transcription features of ADSCs. <i>Stem Cell Research and Therapy</i> , 2021, 12, 473.	2.4	12
5491	The Gut Microbiome, Metformin, and Aging. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 85-108.	4.2	28
5492	Vascular Ageing Features Caused by Selective DNA Damage in Smooth Muscle Cell. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	15
5493	DNA-PK inhibition by M3814 enhances chemosensitivity in non-small cell lung cancer. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3935-3949.	5.7	15

#	ARTICLE	IF	CITATIONS
5494	Ageing impairs the essential contributions of non- <i>glial</i> progenitors to neurorepair in the dorsal telencephalon of the Killifish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , 2021, 20, e13464.	3.0	22
5495	Revisiting the human dental follicle: From tooth development to its association with unerupted or impacted teeth and pathological changes. <i>Developmental Dynamics</i> , 2022, 251, 408-423.	0.8	20
5496	Predicting Mortality Risk in Older Hospitalized Persons With COVID-19: A Comparison of the COVID-19 Mortality Risk Score with Frailty and Disability. <i>Journal of the American Medical Directors Association</i> , 2021, 22, 1588-1592.e1.	1.2	16
5497	cGAS- <i>STING</i> pathway: post-translational modifications and functions in sterile inflammatory diseases. <i>FEBS Journal</i> , 2022, 289, 6187-6208.	2.2	20
5499	A Multivariate Assessment of Age-Related Cognitive Impairment in <i>Octodon degus</i> . <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 719076.	1.0	6
5500	Telomere Shortening in Peripheral Leukocytes Is Associated With Poor Survival in Cancer Patients Treated With Immune Checkpoint Inhibitor Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 729207.	1.3	5
5501	Epigenetic age prediction. <i>Aging Cell</i> , 2021, 20, e13452.	3.0	81
5502	British Columbia CARMA-CHIWOS Collaboration (BCC3): protocol for a community-collaborative cohort study examining healthy ageing with and for women living with HIV. <i>BMJ Open</i> , 2021, 11, e046558.	0.8	1
5504	An early proinflammatory transcriptional response to tau pathology is age-specific and foreshadows reduced tau burden. <i>Brain Pathology</i> , 2022, 32, e13018.	2.1	7
5505	The killifish visual system as an in vivo model to study brain aging and rejuvenation. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 22.	4.5	20
5506	Senolytics and senomorphics: Natural and synthetic therapeutics in the treatment of aging and chronic diseases. <i>Free Radical Biology and Medicine</i> , 2021, 171, 169-190.	1.3	103
5507	Extracellular vesicles from mesenchymal stromal cells: Therapeutic perspectives for targeting senescence in osteoarthritis. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113836.	6.6	27
5508	Microbiota from young mice counteracts selective age-associated behavioral deficits. <i>Nature Aging</i> , 2021, 1, 666-676.	5.3	132
5509	Fostering healthy aging: The interdependency of infections, immunity and frailty. <i>Ageing Research Reviews</i> , 2021, 69, 101351.	5.0	34
5510	Aging of the Suprachiasmatic Nucleus, CIRCLONSA Syndrome, Implications for Regenerative Medicine and Restoration of the Master Body Clock. <i>Rejuvenation Research</i> , 2021, 24, 274-282.	0.9	2
5511	NHR-8 and P-glycoproteins uncouple xenobiotic resistance from longevity in chemosensory <i>C. elegans</i> mutants. <i>ELife</i> , 2021, 10, .	2.8	8
5512	Balancing DNA repair to prevent ageing and cancer. <i>Experimental Cell Research</i> , 2021, 405, 112679.	1.2	14
5513	Reactive Species in Progeroid Syndromes and Aging-Related Processes. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 208-228.	2.5	2

#	ARTICLE	IF	CITATIONS
5515	Prevalence and associated metabolic factors for thyroid nodules: a cross-sectional study in Southwest of China with more than 120 thousand populations. <i>BMC Endocrine Disorders</i> , 2021, 21, 175.	0.9	16
5516	Multicomponent Physical Exercise Training in Multimorbid and Palliative Oldest Adults. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8896.	1.2	0
5517	Engineered Sumoylation-Deficient Prdx6 Mutant Protein-Loaded Nanoparticles Provide Increased Cellular Defense and Prevent Lens Opacity. <i>Antioxidants</i> , 2021, 10, 1245.	2.2	5
5518	Intrinsic Capacity: Validation of a New WHO Concept for Healthy Aging in a Longitudinal Chinese Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 94-100.	1.7	74
5519	Growth acceleration results in faster telomere shortening later in life. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211118.	1.2	18
5520	MicroRNA-29a Mitigates Osteoblast Senescence and Counteracts Bone Loss through Oxidation Resistance-1 Control of FoxO3 Methylation. <i>Antioxidants</i> , 2021, 10, 1248.	2.2	14
5521	Frailty and Biological Age. <i>Annals of Geriatric Medicine and Research</i> , 2021, 25, 141-149.	0.7	21
5522	The Role of Gut Microbiota in Aging and Aging Related Neurodegenerative Disorders: Insights from Drosophila Model. <i>Life</i> , 2021, 11, 855.	1.1	11
5523	Einstein-Nathan Shock Center: translating the hallmarks of aging to extend human health span. <i>GeroScience</i> , 2021, 43, 2167-2182.	2.1	5
5524	Endoplasmic Reticulum Stress Induced Proliferation Remains Intact in Aging Mouse β 2-Cells. <i>Frontiers in Endocrinology</i> , 2021, 12, 734079.	1.5	4
5525	Stress-Induced Polyploid Giant Cancer Cells: Unique Way of Formation and Non-Negligible Characteristics. <i>Frontiers in Oncology</i> , 2021, 11, 724781.	1.3	24
5526	The Multifaceted Role of Nutrient Sensing and mTORC1 Signaling in Physiology and Aging. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	37
5527	Hedgehog dysregulation contributes to tissue-specific inflammaging of resident macrophages. <i>Aging</i> , 2021, 13, 19207-19229.	1.4	8
5529	Autophagy in healthy aging and disease. <i>Nature Aging</i> , 2021, 1, 634-650.	5.3	467
5530	Dual-Specificity Phosphatase 1 (DUSP1) Has a Central Role in Redox Homeostasis and Inflammation in the Mouse Cochlea. <i>Antioxidants</i> , 2021, 10, 1351.	2.2	11
5531	The role of retrotransposable elements in ageing and age-associated diseases. <i>Nature</i> , 2021, 596, 43-53.	13.7	156
5532	Cardiovascular care of older adults. <i>BMJ, The</i> , 2021, 374, n1593.	3.0	19
5533	Within-individual repeatability in telomere length: A meta-analysis in nonmammalian vertebrates. <i>Molecular Ecology</i> , 2022, 31, 6339-6359.	2.0	27

#	ARTICLE	IF	CITATIONS
5534	Circulating Metabolomic Analysis following Cecal Ligation and Puncture in Young and Aged Mice Reveals Age-Associated Temporal Shifts in Nicotinamide and Histidine/Histamine Metabolic Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-15.	1.9	3
5535	Hallmarks of lens aging and cataractogenesis. <i>Experimental Eye Research</i> , 2021, 210, 108709.	1.2	22
5536	The aging brain: sleep, the circadian clock and exercise. <i>Biochemical Pharmacology</i> , 2021, 191, 114563.	2.0	21
5537	The Relationship Between Perifoveal L-Cone Isolating Visual Acuity and Cone Photoreceptor Spacing—Understanding the Transition Between Healthy Aging and Early AMD. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 732287.	1.7	3
5538	Evolution, Chance, and Aging. <i>Frontiers in Genetics</i> , 2021, 12, 733184.	1.1	4
5539	A new mechanistic insight into fate decisions during yeast cell aging process. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111542.	2.2	1
5540	Resveratrol as an Adjunctive Therapy for Excessive Oxidative Stress in Aging COVID-19 Patients. <i>Antioxidants</i> , 2021, 10, 1440.	2.2	28
5541	Sex-specific differences in DNA double-strand break repair of cycling human lymphocytes during aging. <i>Aging</i> , 2021, 13, 21066-21089.	1.4	14
5542	Base excision repair causes age-dependent accumulation of single-stranded DNA breaks that contribute to Parkinson disease pathology. <i>Cell Reports</i> , 2021, 36, 109668.	2.9	26
5543	The protein inputs of an ultra-predictive aging clock represent viable anti-aging drug targets. <i>Ageing Research Reviews</i> , 2021, 70, 101404.	5.0	14
5544	Analysis of the Impact of Selected Vitamins Deficiencies on the Risk of Disability in Older People. <i>Nutrients</i> , 2021, 13, 3163.	1.7	7
5545	Increased tissue stiffness triggers contractile dysfunction and telomere shortening in dystrophic cardiomyocytes. <i>Stem Cell Reports</i> , 2021, 16, 2169-2181.	2.3	23
5546	Gasotransmitters: Potential Therapeutic Molecules of Fibrotic Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	22
5547	An enriched polyphenolic extract obtained from the by-product of <i>Rosa damascena</i> hydrodistillation activates antioxidant and proteostatic modules. <i>Phytomedicine</i> , 2021, 93, 153757.	2.3	11
5549	Recent advances in understanding the role of proteostasis. <i>Faculty Reviews</i> , 2021, 10, 72.	1.7	8
5550	T Cell Immunosenescence in Aging, Obesity, and Cardiovascular Disease. <i>Cells</i> , 2021, 10, 2435.	1.8	38
5551	Generation and characterization of a tractable <i>C. elegans</i> model of tauopathy. <i>GeroScience</i> , 2021, 43, 2621-2631.	2.1	1
5552	Immunology of Aging: the Birth of Inflammaging. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 64, 109-122.	2.9	106

#	ARTICLE	IF	CITATIONS
5554	Impaired Mitophagy in Neurons and Glial Cells during Aging and Age-Related Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10251.	1.8	16
5555	Shared Genetics Between Age at Menopause, Early Menopause, POI and Other Traits. <i>Frontiers in Genetics</i> , 2021, 12, 676546.	1.1	12
5556	GlyNAC Supplementation Improves Glutathione Deficiency, Oxidative Stress, Mitochondrial Dysfunction, Inflammation, Aging Hallmarks, Metabolic Defects, Muscle Strength, Cognitive Decline, and Body Composition: Implications for Healthy Aging. <i>Journal of Nutrition</i> , 2021, 151, 3606-3616.	1.3	17
5558	Aging Induces Hepatic Oxidative Stress and Nuclear Proteomic Remodeling in Liver from Wistar Rats. <i>Antioxidants</i> , 2021, 10, 1535.	2.2	10
5559	Association of Epigenetic Age Acceleration With Risk Factors, Survival, and Quality of Life in Patients With Head and Neck Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 157-167.	0.4	18
5560	Social perception of young adults prolongs the lifespan of aged <i>Drosophila</i> . <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 21.	4.5	2
5561	Update on Clonal Hematopoiesis. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2021, 21, S32-S33.	0.2	1
5562	Immunosenescence in multiple sclerosis: the identification of new therapeutic targets. <i>Autoimmunity Reviews</i> , 2021, 20, 102893.	2.5	41
5563	Vascular Aging in Rodent Models: Contrasting Mechanisms Driving the Female and Male Vascular Senescence. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	11
5564	Inflammaging, an Imbalanced Immune Response That Needs to Be Restored for Cancer Prevention and Treatment in the Elderly. <i>Cells</i> , 2021, 10, 2562.	1.8	13
5565	Mislocalization of Nucleocytoplasmic Transport Proteins in Human Huntington's Disease PSC-Derived Striatal Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 742763.	1.8	15
5566	Autophagy in metabolic disease and ageing. <i>Nature Reviews Endocrinology</i> , 2021, 17, 647-661.	4.3	159
5568	Environmental Enrichment Mitigates Age-Related Metabolic Decline and Lewis Lung Carcinoma Growth in Aged Female Mice. <i>Cancer Prevention Research</i> , 2021, 14, 1075-1088.	0.7	5
5569	Trends of unsuccessful treatment outcomes and associated factors among tuberculosis patients in public hospitals of Bale Zone, Southeast Ethiopia: A 5-year retrospective study. <i>Heliyon</i> , 2021, 7, e07982.	1.4	2
5570	Changes in cytoarchitecture and mobility in B16F1 melanoma cells induced by 5-Br-2'-dU coincide with Rock2, miRNAs 138-5p and 455-3p reciprocal expressions. <i>Biochemistry and Biophysics Reports</i> , 2021, 27, 101027.	0.7	1
5571	Donor factors and risk of primary graft dysfunction and mortality post lung transplantation: A proposed conceptual framework. <i>Clinical Transplantation</i> , 2021, 35, e14480.	0.8	3
5572	Chromatin remodeling due to degradation of citrate carrier impairs osteogenesis of aged mesenchymal stem cells. <i>Nature Aging</i> , 2021, 1, 810-825.	5.3	37
5573	Exploring ER stress response in cellular aging and neuroinflammation in Alzheimer's disease. <i>Ageing Research Reviews</i> , 2021, 70, 101417.	5.0	43

#	ARTICLE	IF	CITATIONS
5574	Targeting immune dysfunction in aging. <i>Ageing Research Reviews</i> , 2021, 70, 101410.	5.0	76
5575	Estrogen Receptor and Vascular Aging. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	13
5576	Inflammation, Oxidative Stress, Vascular Aging and Atherosclerotic Ischemic Stroke. <i>Current Medicinal Chemistry</i> , 2022, 29, 5496-5509.	1.2	25
5577	Dietary Nucleotides Retard Oxidative Stress-Induced Senescence of Human Umbilical Vein Endothelial Cells. <i>Nutrients</i> , 2021, 13, 3279.	1.7	7
5578	Type I Interferon signaling controls the accumulation and transcriptomes of monocytes in the aged lung. <i>Aging Cell</i> , 2021, 20, e13470.	3.0	9
5579	Circulating acetylated polyamines correlate with Covid-19 severity in cancer patients. <i>Aging</i> , 2021, 13, 20860-20885.	1.4	9
5580	The Mitochondrial Prohibitin (PHB) Complex in <i>C. elegans</i> Metabolism and Ageing Regulation. <i>Metabolites</i> , 2021, 11, 636.	1.3	8
5581	Association of Serum Total Bilirubin Concentration with Telomere Length: The National Health and Nutrition Examination Survey. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	1.9	4
5582	Brain region-specific disruption of mitochondrial bioenergetics in cynomolgus macaques fed a Western versus a Mediterranean diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E652-E664.	1.8	3
5583	Human genetic analyses of organelles highlight the nucleus in age-related trait heritability. <i>ELife</i> , 2021, 10, .	2.8	20
5584	Integrative proteome analysis implicates aberrant RNA splicing in impaired developmental potential of aged mouse oocytes. <i>Aging Cell</i> , 2021, 20, e13482.	3.0	12
5586	Bisphenol A Induces Accelerated Cell Aging in Murine Endothelium. <i>Biomolecules</i> , 2021, 11, 1429.	1.8	14
5587	Increased somatic mutation burdens in normal human cells due to defective DNA polymerases. <i>Nature Genetics</i> , 2021, 53, 1434-1442.	9.4	85
5588	Nutritional supplementation to enhance the efficacy of exercise training in older adults: what is the evidence from the latest randomized controlled trials?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021, 24, 504-510.	1.3	2
5589	Exercise training increases telomerase reverse transcriptase gene expression and telomerase activity: A systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2021, 70, 101411.	5.0	21
5590	Association of Obstructive Sleep Apnea with the Aging Process. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1540-1547.	1.5	9
5591	Age-Related Increase in Lactate Dehydrogenase Activity in Skeletal Muscle Reduces Life Span in <i>Drosophila</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 259-267.	1.7	10
5592	Pan-Tissue Aging Clock Genes That Have Intimate Connections with the Immune System and Age-Related Disease. <i>Rejuvenation Research</i> , 2021, 24, 377-389.	0.9	5

#	ARTICLE	IF	CITATIONS
5593	A Novel Approach to Boosting Glutathione via Iontophoresis. <i>Cureus</i> , 2021, 13, e17803.	0.2	0
5594	Macroautophagy and aging: The impact of cellular recycling on health and longevity. <i>Molecular Aspects of Medicine</i> , 2021, 82, 101020.	2.7	30
5595	Decline in telomere length with increasing age across nonhuman vertebrates: A meta-analysis. <i>Molecular Ecology</i> , 2022, 31, 5917-5932.	2.0	33
5596	The observed pattern and hidden process of female reproductive trajectories across the life span in a non-human primate. <i>Journal of Animal Ecology</i> , 2021, 90, 2901-2914.	1.3	12
5597	Repetitive spikes of glucose and lipid induce senescence-like phenotypes of bone marrow stem cells through H3K27me3 demethylase-mediated epigenetic regulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H920-H932.	1.5	3
5598	The Impact of Ageing on the CNS Immune Response in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2021, 12, 738511.	2.2	11
5599	Chaperone-assisted E3 ligase CHIP: A double agent in cancer. <i>Genes and Diseases</i> , 2022, 9, 1521-1555.	1.5	15
5600	Sexual dimorphism in liver cell cycle and senescence signalling pathways in young and old rats. <i>Journal of Physiology</i> , 2021, 599, 4309-4320.	1.3	3
5601	Reproductive aging and telomeres: Are women and men equally affected?. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111541.	2.2	11
5602	An inflammatory ageing clock to detect cardiovascular and other age-related diseases: a new approach to preventive medicine. <i>European Heart Journal</i> , 2021, 42, 4296-4297.	1.0	1
5603	Involvement of extracellular vesicles in aging process and their beneficial effects in alleviating aging-associated symptoms. <i>Cell Biology International</i> , 2021, 45, 2403-2419.	1.4	4
5604	The dynamic changes of Nrf2 mediated oxidative stress, DNA damage and base excision repair in testis of rats during aging. <i>Experimental Gerontology</i> , 2021, 152, 111460.	1.2	16
5605	Role of Aberrantly Activated Lysophosphatidic Acid Receptor 1 Signaling Mediated Inflammation in Renal Aging. <i>Cells</i> , 2021, 10, 2580.	1.8	0
5606	Bibliometric Analysis on Geriatric Nursing Research in Web of Science (1900-2020). <i>BioMed Research International</i> , 2021, 2021, 1-11.	0.9	7
5607	Cellular senescence at the crossroads of inflammation and Alzheimer's disease. <i>Trends in Neurosciences</i> , 2021, 44, 714-727.	4.2	108
5608	The Effects of Korean Red Ginseng on Biological Aging and Antioxidant Capacity in Postmenopausal Women: A Double-Blind Randomized Controlled Study. <i>Nutrients</i> , 2021, 13, 3090.	1.7	15
5609	Deep proteome profiling of human mammary epithelia at lineage and age resolution. <i>IScience</i> , 2021, 24, 103026.	1.9	3
5610	Targeting Sirtuin1 to treat aging-related tissue fibrosis: From prevention to therapy. , 2022, 229, 107983.		35

#	ARTICLE	IF	CITATIONS
5611	Exercise Intolerance in Older Adults With Heart Failure With Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2021, 78, 1166-1187.	1.2	87
5612	A genetic model of methionine restriction extends <i>Drosophila</i> health- and lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
5613	Association of physical activity and nutrition with telomere length, a marker of cellular aging: A comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 674-692.	5.4	4
5614	Organoids: An Emerging Tool to Study Aging Signature across Human Tissues. <i>Modeling Aging with Patient-Derived Organoids. International Journal of Molecular Sciences</i> , 2021, 22, 10547.	1.8	8
5615	Perspectives on the dynamic implications of cellular senescence and immunosenescence on macrophage aging biology. <i>Biogerontology</i> , 2021, 22, 571-587.	2.0	18
5616	Successful and Unsuccessful Brain Aging in Pets: Pathophysiological Mechanisms behind Clinical Signs and Potential Benefits from Palmitoylethanolamide Nutritional Intervention. <i>Animals</i> , 2021, 11, 2584.	1.0	5
5617	Epigenetic Mechanisms Underlying COVID-19 Pathogenesis. <i>Biomedicines</i> , 2021, 9, 1142.	1.4	10
5618	The Contribution of Physiological and Accelerated Aging to Cancer Progression Through Senescence-Induced Inflammation. <i>Frontiers in Oncology</i> , 2021, 11, 747822.	1.3	5
5619	Energy Metabolism Focused Analysis of Sexual Dimorphism in Biological Aging and Hypothesized Sex-specificity in Sirtuin Dependency. <i>Mitochondrion</i> , 2021, 60, 85-100.	1.6	3
5620	In silico insights into potential gut microbial modulation of NAD ⁺ metabolism and longevity. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22925.	1.4	5
5621	An example of functional integration and application of diversity, inequities, and social determinants of health in an applied physiology course. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2021, 45, 841-848.	0.8	0
5622	Myostatin and Follistatin – New Kids on the Block in the Diagnosis of Sarcopenia in IBD and Possible Therapeutic Implications. <i>Biomedicines</i> , 2021, 9, 1301.	1.4	7
5623	Longevity leap: mind the healthspan gap. <i>Npj Regenerative Medicine</i> , 2021, 6, 57.	2.5	55
5624	A virus-free cellular model recapitulates several features of severe COVID-19. <i>Scientific Reports</i> , 2021, 11, 17473.	1.6	4
5625	End-of-life targeted degradation of DAF-2 insulin/IGF-1 receptor promotes longevity free from growth-related pathologies. <i>ELife</i> , 2021, 10, .	2.8	30
5626	NAFLD in the Elderly. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 1633-1649.	1.3	43
5627	CircRNAs: Decrypting the novel targets of fibrosis and aging. <i>Ageing Research Reviews</i> , 2021, 70, 101390.	5.0	15
5628	Trigonelline Extends the Lifespan of <i>C. Elegans</i> and Delays the Progression of Age-Related Diseases by Activating AMPK, DAF-16, and HSF-1. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-11.	1.9	22

#	ARTICLE	IF	CITATIONS
5629	Temporal Transcriptomics of Gut Escherichia coli in Caenorhabditis elegans Models of Aging. <i>Microbiology Spectrum</i> , 2021, 9, e0049821.	1.2	0
5630	MicroRNAs as Factors in Bidirectional Crosstalk Between Mitochondria and the Nucleus During Cellular Senescence. <i>Frontiers in Physiology</i> , 2021, 12, 734976.	1.3	8
5631	Antioxidant Effects of Caffeic Acid Lead to Protection of Drosophila Intestinal Stem Cell Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 735483.	1.8	13
5632	Neuroprotection Mediated by Human Blood Plasma in Mouse Hippocampal Slice Cultures and in Oxidatively Stressed Human Neurons. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9567.	1.8	5
5633	Effect of Advanced Glycation End-Products and Excessive Calorie Intake on Diet-Induced Chronic Low-Grade Inflammation Biomarkers in Murine Models. <i>Nutrients</i> , 2021, 13, 3091.	1.7	9
5634	Chitosan Displays a Potent Caloric Restriction Mimetic Effect in Senescent Rats. <i>Rejuvenation Research</i> , 2021, 24, 390-396.	0.9	3
5635	Accelerated aging of the brain transcriptome by the common chemotherapeutic doxorubicin. <i>Experimental Gerontology</i> , 2021, 152, 111451.	1.2	9
5636	Nutrition and cellular senescence in obesity-related disorders. <i>Journal of Nutritional Biochemistry</i> , 2022, 99, 108861.	1.9	14
5637	Impact of Amplification Efficiency Approaches on Telomere Length Measurement via Quantitative-Polymerase Chain Reaction. <i>Frontiers in Genetics</i> , 2021, 12, 728603.	1.1	6
5638	Cellular senescence in musculoskeletal homeostasis, diseases, and regeneration. <i>Bone Research</i> , 2021, 9, 41.	5.4	58
5639	REST/NRSF deficiency impairs autophagy and leads to cellular senescence in neurons. <i>Aging Cell</i> , 2021, 20, e13471.	3.0	17
5640	Rare genetic coding variants associated with human longevity and protection against age-related diseases. <i>Nature Aging</i> , 2021, 1, 783-794.	5.3	22
5641	A machine learning-based biological aging prediction and its associations with healthy lifestyles: the Dongfeng-Tongji cohort. <i>Annals of the New York Academy of Sciences</i> , 2021, , .	1.8	8
5642	Extracellular Vesicles: Emerging Therapeutics in Cutaneous Lesions. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 6183-6202.	3.3	12
5643	Convergent Usage of Amino Acids in Human Cancers as A Reversed Process of Tissue Development. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 147-162.	3.0	1
5644	Exercise to Mend Aged-tissue Crosstalk in Bone Targeting Osteoporosis & Osteoarthritis. <i>Seminars in Cell and Developmental Biology</i> , 2022, 123, 22-35.	2.3	14
5645	Advances in mitochondrial medicine and translational research. <i>Mitochondrion</i> , 2021, 61, 62-68.	1.6	0
5646	Role of Oxidative Stress in the Senescence Pattern of Auditory Cells in Age-Related Hearing Loss. <i>Antioxidants</i> , 2021, 10, 1497.	2.2	12

#	ARTICLE	IF	CITATIONS
5647	Ameliorating the hallmarks of cellular senescence in skeletal muscle myogenic progenitors in vitro and in vivo. <i>Science Advances</i> , 2021, 7, eabe5671.	4.7	16
5648	Host and microbiota metabolic signals in aging and longevity. <i>Nature Chemical Biology</i> , 2021, 17, 1027-1036.	3.9	22
5649	Ageing mechanisms that contribute to tissue remodeling in lung disease. <i>Ageing Research Reviews</i> , 2021, 70, 101405.	5.0	22
5650	Potential Roles of Sestrin2 in Alzheimer's Disease: Antioxidation, Autophagy Promotion, and Beyond. <i>Biomedicines</i> , 2021, 9, 1308.	1.4	3
5651	Empowering Melatonin Therapeutics with Drosophila Models. <i>Diseases (Basel, Switzerland)</i> , 2021, 9, 67.	1.0	3
5652	PTEN is responsible for protection of brain against oxidative stress during aging. <i>FASEB Journal</i> , 2021, 35, e21943.	0.2	4
5653	Redox metabolism: ROS as specific molecular regulators of cell signaling and function. <i>Molecular Cell</i> , 2021, 81, 3691-3707.	4.5	298
5654	Role of stress granules in modulating senescence and promoting cancer progression: Special emphasis on glioma. <i>International Journal of Cancer</i> , 2022, 150, 551-561.	2.3	7
5655	Love and longevity: A Social Dependency Hypothesis. <i>Comprehensive Psychoneuroendocrinology</i> , 2021, 8, 100088.	0.7	10
5656	New horizons in the roles and associations of COX-2 and novel natural inhibitors in cardiovascular diseases. <i>Molecular Medicine</i> , 2021, 27, 123.	1.9	26
5657	Biological Aspects of Inflamm-Aging in Childhood Cancer Survivors. <i>Cancers</i> , 2021, 13, 4933.	1.7	20
5658	Synergistic effects of brain injury and aging: common mechanisms of proteostatic dysfunction. <i>Trends in Neurosciences</i> , 2021, 44, 728-740.	4.2	9
5659	Fibroageing: An ageing pathological feature driven by dysregulated extracellular matrix-cell mechanobiology. <i>Ageing Research Reviews</i> , 2021, 70, 101393.	5.0	42
5660	The Role of Rapamycin in Healthspan Extension via the Delay of Organ Aging. <i>Ageing Research Reviews</i> , 2021, 70, 101376.	5.0	38
5661	Modulating the integrated stress response to slow aging and ameliorate age-related pathology. <i>Nature Aging</i> , 2021, 1, 760-768.	5.3	33
5662	Mesenchymal stromal cell aging impairs the self-organizing capacity of lung alveolar epithelial stem cells. <i>ELife</i> , 2021, 10, .	2.8	22
5663	Gut Microbiota Predicts Healthy Late-Life Aging in Male Mice. <i>Nutrients</i> , 2021, 13, 3290.	1.7	10
5664	Increased fidelity of protein synthesis extends lifespan. <i>Cell Metabolism</i> , 2021, 33, 2288-2300.e12.	7.2	66

#	ARTICLE	IF	CITATIONS
5665	EGFR-mediated epidermal stem cell motility drives skin regeneration through COL17A1 proteolysis. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	18
5666	Analysis of representative mutants for key DNA repair pathways on healthspan in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111573.	2.2	2
5667	Aging of the Retina: Molecular and Metabolic Turbulences and Potential Interventions. <i>Annual Review of Vision Science</i> , 2021, 7, 633-664.	2.3	28
5668	Biomarkers of cellular aging during a controlled human malaria infection. <i>Scientific Reports</i> , 2021, 11, 18733.	1.6	4
5669	A mitochondrial membrane-bridging machinery mediates signal transduction of intramitochondrial oxidation. <i>Nature Metabolism</i> , 2021, 3, 1242-1258.	5.1	28
5671	A conceptual model of oral health with an emphasis on function. <i>Journal of Oral Rehabilitation</i> , 2021, 48, 1283-1294.	1.3	13
5672	Older orienteers perform better—“is experience key?”. <i>Science and Sports</i> , 2021, 36, e151-e157.	0.2	0
5673	Glioblastoma as an age-related neurological disorder in adults. <i>Neuro-Oncology Advances</i> , 2021, 3, vtab125.	0.4	30
5674	Molecular mechanisms of dietary restriction promoting health and longevity. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 56-73.	16.1	277
5675	Aging preclinical models in oncology field: from cells to aging. <i>Aging Clinical and Experimental Research</i> , 2021, , 1.	1.4	1
5676	Significant improvement of stress and aging biomarkers using a novel stress management program with the cognitive restructuring method “Pythagorean Self-Awareness Intervention” in patients with type 2 diabetes mellitus and healthy adults. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111538.	2.2	5
5677	Sex Differences in Molecular Mechanisms of Cardiovascular Aging. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	13
5678	Screening Health-Promoting Compounds for Their Capacity to Induce the Activity of FOXO3. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1485-1493.	1.7	11
5679	Cellular reprogramming and epigenetic rejuvenation. <i>Clinical Epigenetics</i> , 2021, 13, 170.	1.8	54
5680	Redox Regulation in Aging Lungs and Therapeutic Implications of Antioxidants in COPD. <i>Antioxidants</i> , 2021, 10, 1429.	2.2	9
5681	Faces of cellular senescence in skin aging. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111525.	2.2	52
5682	Applying deductive reasoning and the principles of particle physics to aging research. <i>Aging</i> , 2021, 13, 22611-22622.	1.4	2
5683	The Association Between Epigenetic Clocks and Physical Functioning in Older Women: A 3-Year Follow-up. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1569-1576.	1.7	11

#	ARTICLE	IF	CITATIONS
5684	Knock-down of odr-3 and ife-2 additively extends lifespan and healthspan in <i>C. elegans</i> . <i>Aging</i> , 2021, 13, 21040-21065.	1.4	2
5685	Application of lipidomics strategy to explore aging-related biomarkers and potential anti-aging mechanisms of ginseng. <i>Biogerontology</i> , 2021, 22, 589-602.	2.0	4
5687	Mitochondrial links between brain aging and Alzheimer's disease. <i>Translational Neurodegeneration</i> , 2021, 10, 33.	3.6	26
5689	The hoverfly and the wasp: A critique of the hallmarks of aging as a paradigm. <i>Ageing Research Reviews</i> , 2021, 70, 101407.	5.0	67
5690	Cytosolic dsDNA is a novel senescence marker associated with pyroptosis activation. <i>Tissue and Cell</i> , 2021, 72, 101554.	1.0	4
5691	Sauna use as a lifestyle practice to extend healthspan. <i>Experimental Gerontology</i> , 2021, 154, 111509.	1.2	20
5692	Fatty acids and beyond: Age and Alzheimer's disease related changes in lipids reveal the neuro-nutraceutical potential of lipids in cognition. <i>Neurochemistry International</i> , 2021, 149, 105143.	1.9	20
5693	The Aging Liver: Redox Biology and Liver Regeneration. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 832-847.	2.5	12
5694	Ageing-associated effects of a long-term dietary modulation of four trace elements in mice. <i>Redox Biology</i> , 2021, 46, 102083.	3.9	7
5695	Time-efficient, high-resistance inspiratory muscle strength training for cardiovascular aging. <i>Experimental Gerontology</i> , 2021, 154, 111515.	1.2	11
5696	The early-life exposome and epigenetic age acceleration in children. <i>Environment International</i> , 2021, 155, 106683.	4.8	47
5697	A review of the functions of G protein-coupled estrogen receptor 1 in vascular and neurological aging. <i>European Journal of Pharmacology</i> , 2021, 908, 174363.	1.7	6
5698	Roles and functions of antisense lncRNA in vascular aging. <i>Ageing Research Reviews</i> , 2021, 72, 101480.	5.0	19
5699	Learning to synthesise the ageing brain without longitudinal data. <i>Medical Image Analysis</i> , 2021, 73, 102169.	7.0	20
5700	Recent advances in 1,8-naphthalimide-based small-molecule fluorescent probes for organelles imaging and tracking in living cells. <i>Coordination Chemistry Reviews</i> , 2021, 444, 214019.	9.5	66
5701	Brain on food: The neuroepigenetics of nutrition. <i>Neurochemistry International</i> , 2021, 149, 105099.	1.9	9
5702	Idiopathic early ovarian aging: is there a relation with premenopausal accelerated biological aging in young women with diminished response to ART?. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 3027-3038.	1.2	4
5703	Folic acid alleviates age-related cognitive decline and inhibits apoptosis of neurocytes in senescence-accelerated mouse prone 8: deoxythymidine triphosphate biosynthesis as a potential mechanism. <i>Journal of Nutritional Biochemistry</i> , 2021, 97, 108796.	1.9	9

#	ARTICLE	IF	CITATIONS
5704	Immunosenescence and inflammaging in the aging process: age-related diseases or longevity?. Ageing Research Reviews, 2021, 71, 101422.	5.0	178
5705	Modeling aging and its impact on cellular function and organismal behavior. Experimental Gerontology, 2021, 155, 111577.	1.2	7
5706	Targeting impaired adult hippocampal neurogenesis in ageing by leveraging intrinsic mechanisms regulating Neural Stem Cell activity. Ageing Research Reviews, 2021, 71, 101447.	5.0	14
5707	p21-Activated kinase 1 (PAK1) in aging and longevity: An overview. Ageing Research Reviews, 2021, 71, 101443.	5.0	14
5708	Fisetin, potential flavonoid with multifarious targets for treating neurological disorders: An updated review. European Journal of Pharmacology, 2021, 910, 174492.	1.7	46
5709	Current advances of functional phytochemicals in Nicotiana plant and related potential value of tobacco processing waste: A review. Biomedicine and Pharmacotherapy, 2021, 143, 112191.	2.5	24
5710	Dismantling Anti-Ageing Medicine: Why Age-Relatedness of Cardiovascular Disease is Proof of Robustness Rather Than of Ageing-Associated Vulnerability. Heart Lung and Circulation, 2021, 30, 1702-1709.	0.2	4
5711	The poorly conducted orchestra of steroid hormones, oxidative stress and inflammation in frailty needs a maestro: Regular physical exercise. Experimental Gerontology, 2021, 155, 111562.	1.2	5
5712	Age-associated changes in microRNAs affect the differentiation potential of human mesenchymal stem cells: Novel role of miR-29b-1-5p expression. Bone, 2021, 153, 116154.	1.4	9
5713	Principles of brain aging: Status and challenges of modeling human molecular changes in mice. Ageing Research Reviews, 2021, 72, 101465.	5.0	7
5714	Cadmium exposure induces osteoporosis through cellular senescence, associated with activation of NF- κ B pathway and mitochondrial dysfunction. Environmental Pollution, 2021, 290, 118043.	3.7	54
5715	Inhibition of oxidative stress in vivo through enzyme-like activity of carbon dots. Applied Materials Today, 2021, 25, 101178.	2.3	22
5716	Bioactive food components for managing cellular senescence in aging and disease: A critical appraisal and perspectives. PharmaNutrition, 2021, 18, 100281.	0.8	9
5717	Autophagy and the hallmarks of aging. Ageing Research Reviews, 2021, 72, 101468.	5.0	98
5718	An amuse-bouche of stem cell regulation: Underlying principles and mechanisms from adult Drosophila intestinal stem cells. Current Opinion in Cell Biology, 2021, 73, 58-68.	2.6	24
5719	Curcumin improves angiogenesis in the heart of aged rats: Involvement of TSP1/NF- κ B/VEGF-A signaling. Microvascular Research, 2022, 139, 104258.	1.1	9
5720	Accelerated Lung Aging and Cellular Senescence in COPD. , 2022, , 583-593.		0
5721	Premature vascular aging and senescence in chronic kidney disease. , 2022, , 263-279.		1

#	ARTICLE	IF	CITATIONS
5722	Mechanisms of adipose-derived stem cell aging and the impact on therapeutic potential. , 2022, , 81-90.		0
5723	Autophagy on the road to longevity and aging. , 2022, , 347-360.		2
5724	The African turquoise killifish (<i>Nothobranchius furzeri</i>): biology and research applications. , 2022, , 245-287.		15
5725	Role of autophagy in dysregulation of oral mucosal homeostasis. , 2022, , 101-125.		0
5726	Epidemiology and Diagnosis of Idiopathic Pulmonary Fibrosis. , 2022, , 189-198.		0
5727	Effects of Late-Life Caloric Restriction on Age-Related Alterations in the Rat Cortex and Hippocampus. <i>Nutrients</i> , 2021, 13, 232.	1.7	4
5728	Neuroprotective Benefits of Exercise and MitoQ on Memory Function, Mitochondrial Dynamics, Oxidative Stress, and Neuroinflammation in D-Galactose-Induced Aging Rats. <i>Brain Sciences</i> , 2021, 11, 164.	1.1	12
5729	Senescence and Apoptosis: Architects of Mammalian Development. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 620089.	1.8	23
5730	Yeast as a model organism for aging research. , 2021, , 183-197.		1
5731	Gearing up for the Future: Mitigating Dysregulated Inflammation in Aging and Facets of Obesity. <i>Immunometabolism</i> , 2021, 3, .	0.7	2
5732	Genomic instability as a main driving factor of unsuccessful ageing: Potential for translating the use of micronuclei into clinical practice. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108359.	2.4	17
5733	The Significance of Polyploid Hepatocytes During Aging Process. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 1347-1349.	2.3	9
5734	Pathobiology of aging: An introduction to age-related diseases. , 2021, , 35-73.		0
5735	Ethics of aging. , 2021, , 329-339.		0
5736	Insights on Targeting Small Molecules to the Mitochondrial Matrix and the Preparation of MitoB and MitoP as Exomarkers of Mitochondrial Hydrogen Peroxide. <i>Methods in Molecular Biology</i> , 2021, 2275, 87-117.	0.4	2
5737	Brain aging, epigenetic changes, tau and neurodegeneration. <i>Aging Brain</i> , 2021, 1, 100004.	0.7	0
5738	The Mitochondrial Permeability Transition: Nexus of Aging, Disease and Longevity. <i>Cells</i> , 2021, 10, 79.	1.8	50
5739	Application of mesenchymal stem cell therapy for aging frailty: from mechanisms to therapeutics. <i>Theranostics</i> , 2021, 11, 5675-5685.	4.6	36

#	ARTICLE	IF	CITATIONS
5740	Ultrasmall Prussian blue nanoparticles attenuate UVA-induced cellular senescence in human dermal fibroblasts <i>via</i> inhibiting the ERK/AP-1 pathway. <i>Nanoscale</i> , 2021, 13, 16104-16112.	2.8	8
5741	Ginsenoside extract from ginseng extends lifespan and health span in <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2021, 12, 6793-6808.	2.1	33
5743	Genomic instability and aging: Causes and consequences. , 2021, , 533-553.		4
5744	The role of mTOR in age-related diseases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1678-1692.	2.5	31
5745	Protein signatures of centenarians and their offspring suggest centenarians age slower than other humans. <i>Aging Cell</i> , 2021, 20, e13290.	3.0	42
5746	Recent developments and future perspectives in aging and macrophage immunometabolism. <i>AIMS Molecular Science</i> , 2021, 8, 193-201.	0.3	2
5747	AI in Longevity Medicine. , 2021, , 1-13.		1
5749	Novel pharmacotherapy: NNI-362, an allosteric p70S6 kinase stimulator, reverses cognitive and neural regenerative deficits in models of aging and disease. <i>Stem Cell Research and Therapy</i> , 2021, 12, 59.	2.4	9
5750	A genome-wide CRISPR-based screen identifies <i>KAT7</i> as a driver of cellular senescence. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	79
5751	Extracellular vesicles deposit <i>PCNA</i> to rejuvenate aged bone marrow-derived mesenchymal stem cells and slow age-related degeneration. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	65
5752	Mediterranean diet and the hallmarks of ageing. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 1176-1192.	1.3	64
5753	Defective Autophagy and Mitophagy in Aging and Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 612757.	1.4	85
5754	Novel aspects of age-protection by spermidine supplementation are associated with preserved telomere length. <i>GeroScience</i> , 2021, 43, 673-690.	2.1	18
5755	The NDUFS4 Knockout Mouse: A Dual Threat Model of Childhood Mitochondrial Disease and Normative Aging. <i>Methods in Molecular Biology</i> , 2021, 2277, 143-155.	0.4	7
5756	Aging, Social Distancing, and COVID-19 Risk: Who is more Vulnerable and Why?. , 2021, 12, 1624.		16
5757	Modeling nutrition and brain aging in rodents. , 2021, , 517-526.		0
5758	Making Biological Sense of Genetic Studies of Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1256, 201-219.	0.8	2
5759	Alternative stromal cell-based therapies for aging and regeneration. , 2021, , 251-270.		1

#	ARTICLE	IF	CITATIONS
5760	Personal characteristics affecting the biological age of the individual. E3S Web of Conferences, 2021, 284, 09008.	0.2	2
5761	Mitochondrial Impairment in Sarcopenia. Biology, 2021, 10, 31.	1.3	26
5762	Aging and Cancer. , 2021, , 87-99.		0
5763	Diverse midbrain dopaminergic neuron subtypes and implications for complex clinical symptoms of Parkinson's disease. , 2021, 1, .		10
5764	Accelerated Aging as a Paradigm to Understand the Late Effects of Cancer Therapies. Frontiers of Hormone Research, 2021, 54, 1-9.	1.0	2
5765	Senotherapeutics: Experimental therapy of cellular senescence. , 2021, , 251-284.		0
5766	A new era for research into aging. ELife, 2021, 10, .	2.8	1
5768	Fractional re-distribution among cell motility states during ageing. Communications Biology, 2021, 4, 81.	2.0	9
5769	Brachionus rotifers as a model for investigating dietary and metabolic regulators of aging. Nutrition and Healthy Aging, 2021, 6, 1-15.	0.5	10
5770	Are the Recommended Physical Activity Guidelines Practical and Realistic for Older People With Complex Medical Issues?. Journal of Geriatric Physical Therapy, 2021, 44, 2-8.	0.6	9
5771	Sex- and age-dependent alterations of splenic immune cell profile and NK cell phenotypes and function in C57BL/6j mice. Immunity and Ageing, 2021, 18, 3.	1.8	34
5772	The Impact of HIV- and ART-Induced Mitochondrial Dysfunction in Cellular Senescence and Aging. Cells, 2021, 10, 174.	1.8	63
5773	Cocoa improves age-associated health and extends lifespan in C. elegans. Nutrition and Healthy Aging, 2021, 6, 73-86.	0.5	9
5774	Proteasome activator PA200 maintains stability of histone marks during transcription and aging. Theranostics, 2021, 11, 1458-1472.	4.6	13
5775	Translational research in the fastest-growing population: older adults. , 2021, , 413-437.		0
5777	Gerobiotics: probiotics targeting fundamental aging processes. Bioscience of Microbiota, Food and Health, 2021, 40, 1-11.	0.8	25
5778	Molecules and Mechanisms to Overcome Oxidative Stress Inducing Cardiovascular Disease in Cancer Patients. Life, 2021, 11, 105.	1.1	22
5779	The Role of Oxidative Stress and Natural Antioxidants in Ovarian Aging. Frontiers in Pharmacology, 2020, 11, 617843.	1.6	93

#	ARTICLE	IF	CITATIONS
5780	Crosstalk among DNA Damage, Mitochondrial Dysfunction, Impaired Mitophagy, Stem Cell Attrition, and Senescence in the Accelerated Ageing Disorder Werner Syndrome. <i>Cytogenetic and Genome Research</i> , 2021, 161, 297-304.	0.6	6
5781	Interspecies Differences in Proteome Turnover Kinetics Are Correlated With Life Spans and Energetic Demands. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100041.	2.5	44
5782	N ⁶ -methyldeoxyadenine and histone methylation mediate transgenerational survival advantages induced by hormetic heat stress. <i>Science Advances</i> , 2021, 7, .	4.7	34
5783	IDENTIFYING BIOMARKERS FOR BIOLOGICAL AGE: GEROSCIENCE AND THE ICFSR TASK FORCE. <i>Journal of Frailty & Aging</i> , 2021, 10, 1-6.	0.8	18
5784	MOTS-c is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis. <i>Nature Communications</i> , 2021, 12, 470.	5.8	97
5785	Biomolecular condensates at the nexus of cellular stress, protein aggregation disease and ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 196-213.	16.1	535
5786	Ageing, senescence and mitochondria: the PGC-1/ERR axis. <i>Journal of Molecular Endocrinology</i> , 2021, 66, R1-R14.	1.1	26
5787	Senescence. , 2021, , 7018-7031.		1
5788	Natural compounds in the regulation of proteostatic pathways: An invincible artillery against stress, ageing, and diseases. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2995-3014.	5.7	13
5790	Effect of resveratrol and pterostilbene on aging and longevity. <i>BioFactors</i> , 2018, 44, 69-82.	2.6	236
5791	An epigenetic clock for human skeletal muscle. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 887-898.	2.9	70
5792	Measurements of Hydrogen Peroxide and Oxidative DNA Damage in a Cell Model of Premature Aging. <i>Methods in Molecular Biology</i> , 2020, 2144, 245-257.	0.4	4
5793	Targeting Mitochondria with Small Molecules: The Preparation of MitoB and MitoP as Exomarkers of Mitochondrial Hydrogen Peroxide. <i>Methods in Molecular Biology</i> , 2015, 1265, 25-50.	0.4	19
5794	Stress Responses During Ageing: Molecular Pathways Regulating Protein Homeostasis. <i>Methods in Molecular Biology</i> , 2015, 1292, 215-234.	0.4	10
5795	Investigating Muscle Protein Turnover on a Protein-by-Protein Basis Using Dynamic Proteome Profiling. , 2019, , 171-190.		12
5796	Frailty, Cognition, and Falls. , 2020, , 67-83.		1
5797	Quantification of the Biological Age of the Brain Using Neuroimaging. <i>Healthy Ageing and Longevity</i> , 2019, , 293-328.	0.2	36
5798	An Overview of the Molecular and Cellular Biomarkers of Aging. <i>Healthy Ageing and Longevity</i> , 2019, , 67-78.	0.2	3

#	ARTICLE	IF	CITATIONS
5799	Epigenetic Clock: Just a Convenient Marker or an Active Driver of Aging?. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1178, 175-206.	0.8	26
5800	Plausible Links Between Metabolic Networks, Stem Cells, and Longevity. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1201, 355-388.	0.8	5
5801	The Importance of Cellular Senescence in Frailty and Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1216, 79-86.	0.8	11
5802	We Are What We Eat: Ubiquitin-Proteasome System (UPS) Modulation Through Dietary Products. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1233, 329-348.	0.8	3
5803	The Proteasome System in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1233, 55-100.	0.8	19
5804	An Update on the Molecular Pillars of Aging. , 2020, , 1-25.		2
5805	Applications of CRISPR-Cas in Ageing Research. , 2020, , 213-230.		1
5806	Epigenetics and Ageing. , 2020, , 141-166.		1
5807	Interconnection Between Cellular Senescence, Regeneration and Ageing in Salamanders. <i>Healthy Ageing and Longevity</i> , 2020, , 43-62.	0.2	2
5808	Health in Philosophy: Definitions Abound but a Theory Awaits. <i>Healthy Ageing and Longevity</i> , 2020, , 79-95.	0.2	3
5809	Brain Age Estimation from MRI Using a Two-Stage Cascade Network with Ranking Loss. <i>Lecture Notes in Computer Science</i> , 2020, , 198-207.	1.0	4
5810	The Hair Follicle Stem Cell Niche: The Bulge and Its Environment. <i>Pancreatic Islet Biology</i> , 2015, , 1-26.	0.1	2
5811	Osteoporosis and Mechanisms of Skeletal Aging. , 2016, , 277-307.		2
5812	Osteoarthritis in the Elderly. , 2016, , 309-353.		2
5813	Aging in COPD and Idiopathic Pulmonary Fibrosis. , 2016, , 429-470.		2
5814	HIV and Aging: Parallels and Synergistic Mechanisms Leading to Premature Disease and Functional Decline. , 2016, , 509-550.		4
5815	The Impact of Aging on Cancer Progression and Treatment. , 2016, , 53-83.		2
5816	The Role of Aging in Alzheimer's Disease. , 2016, , 197-227.		12

#	ARTICLE	IF	CITATIONS
5817	Stress-Induced (Premature) Senescence. <i>Healthy Ageing and Longevity</i> , 2016, , 243-262.	0.2	10
5818	Physical Activity and Cognitive Training: Impact on Hippocampal Structure and Function. , 2017, , 209-243.		2
5819	Genetic Theories of Aging. , 2020, , 1-9.		4
5820	1 Yeast as a Model for Systems Biology Studies on Complex Diseases. , 2014, , 3-30.		2
5821	Frailty. , 2019, , 49-68.		3
5822	Pathogenesis of COPD 4 “ Cell Death, Senescence, and Autophagy: Is There a Possibility of Developing New Drugs from the Standpoint of This Pathogenetic Mechanism?. <i>Respiratory Disease Series</i> , 2017, , 95-111.	0.1	1
5823	Autophagy, Aging, and Longevity. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1206, 509-525.	0.8	23
5824	Non-coding RNAs and Cardiac Aging. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 247-258.	0.8	7
5825	Mitonuclear genomics and aging. <i>Human Genetics</i> , 2020, 139, 381-399.	1.8	33
5826	Deciphering the genetic and epidemiological landscape of mitochondrial DNA abundance. <i>Human Genetics</i> , 2021, 140, 849-861.	1.8	47
5827	Epigenetic factors Polycomb (Pc) and Suppressor of zeste (Su(z)2) negatively regulate longevity in <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2018, 19, 33-45.	2.0	6
5828	Spermidine, a caloric restriction mimetic, provides neuroprotection against normal and d-galactose-induced oxidative stress and apoptosis through activation of autophagy in male rats during aging. <i>Biogerontology</i> , 2021, 22, 35-47.	2.0	29
5829	Freshwater Cnidarian Hydra: A Long-lived Model for Aging Studies. , 2019, , .		2
5830	Aging in Zebrafish. , 2019, , .		1
5831	Cellular senescence in aging and age-related diseases: Implications for neurodegenerative diseases. <i>International Review of Neurobiology</i> , 2020, 155, 203-234.	0.9	50
5832	Lamin A involvement in ageing processes. <i>Ageing Research Reviews</i> , 2020, 62, 101073.	5.0	41
5833	Nutrition and the ageing brain: Moving towards clinical applications. <i>Ageing Research Reviews</i> , 2020, 62, 101079.	5.0	56
5834	The changing epigenetic landscape of Mesenchymal Stem/Stromal Cells during aging. <i>Bone</i> , 2020, 137, 115440.	1.4	26

#	ARTICLE	IF	CITATIONS
5835	Insulin activates microglia and increases COX-2/IL-1 β expression in young but not in aged hippocampus. Brain Research, 2020, 1741, 146884.	1.1	21
5836	Lipidomics reveals carnitine palmitoyltransferase 1C protects cancer cells from lipotoxicity and senescence. Journal of Pharmaceutical Analysis, 2021, 11, 340-350.	2.4	22
5837	Evolution and treatment of idiopathic pulmonary fibrosis. Presse Medicale, 2020, 49, 104025.	0.8	15
5838	Redox modifications in synaptic components as biomarkers of cognitive status, in brain aging and disease. Mechanisms of Ageing and Development, 2020, 189, 111250.	2.2	13
5839	The role of Sestrins in the regulation of the aging process. Mechanisms of Ageing and Development, 2020, 188, 111251.	2.2	7
5840	The bright and dark side of extracellular vesicles in the senescence-associated secretory phenotype. Mechanisms of Ageing and Development, 2020, 189, 111263.	2.2	49
5841	Causes, effects, and clinical implications of perturbed patterns within the cancer epigenome. Seminars in Cancer Biology, 2022, 83, 15-35.	4.3	11
5842	Frailty and aging in cancer survivors. Translational Research, 2020, 221, 65-82.	2.2	49
5845	Uninterruptible Power Supply Improves Precision and External Validity of Telomere Length Measurement via qPCR. Experimental Results, 2020, 1, .	0.2	6
5847	Testing three hypotheses about effects of sensitive vs insensitive parenting on telomeres.. Developmental Psychology, 2020, 56, 237-250.	1.2	16
5848	Associations between Brief Resilience Scale scores and ageing-related domains in the Lothian Birth Cohort 1936.. Psychology and Aging, 2020, 35, 329-344.	1.4	2
5849	Sight restored by turning back the epigenetic clock. Nature, 2020, 588, 34-36.	13.7	4
5851	The ageing epigenome and its rejuvenation. Nature Reviews Molecular Cell Biology, 2020, 21, 137-150.	16.1	276
5852	Age-related dataset on the mechanical properties and collagen fibril structure of tendons from a murine model. Scientific Data, 2018, 5, 180140.	2.4	6
5853	Micronuclei and Their Association with Infertility, Pregnancy Complications, Developmental Defects, Anaemias, Inflammation, Diabetes, Chronic Kidney Disease, Obesity, Cardiovascular Disease, Neurodegenerative Diseases and Cancer. Issues in Toxicology, 2019, , 38-78.	0.2	7
5854	Redox signalling and ageing: insights from <i>Drosophila</i> . Biochemical Society Transactions, 2020, 48, 367-377.	1.6	32
5855	Cross-talk between redox signalling and protein aggregation. Biochemical Society Transactions, 2020, 48, 379-397.	1.6	29
5856	Towards delineating the chain of events that cause premature senescence in the accelerated aging syndrome Hutchinson Gilford progeria (HGPS). Biochemical Society Transactions, 2020, 48, 981-991.	1.6	11

#	ARTICLE	IF	CITATIONS
5857	Local endothelial DNA repair deficiency causes aging-resembling endothelial-specific dysfunction. <i>Clinical Science</i> , 2020, 134, 727-746.	1.8	25
5858	Targeting mitochondrial fitness as a strategy for healthy vascular aging. <i>Clinical Science</i> , 2020, 134, 1491-1519.	1.8	31
5859	Short-chain fatty acid, acylation and cardiovascular diseases. <i>Clinical Science</i> , 2020, 134, 657-676.	1.8	101
5860	Distribution of biomarkers of aging in people with different personality types (in Russia). <i>E3S Web of Conferences</i> , 2020, 210, 17028.	0.2	10
5862	Telomerase treatment prevents lung profibrotic pathologies associated with physiological aging. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	36
5863	Similarities and interplay between senescent cells and macrophages. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	57
5864	Limited rejuvenation of aged hematopoietic stem cells in young bone marrow niche. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	42
5865	Measures of Biologic Age in a Community Sample Predict Mortality and Age-Related Disease: The Framingham Offspring Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 757-762.	1.7	59
5866	Neuropeptide Y Enhances Progerin Clearance and Ameliorates the Senescent Phenotype of Human Hutchinson-Gilford Progeria Syndrome Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1073-1078.	1.7	14
5867	Biological Aging Measures Based on Blood DNA Methylation and Risk of Cancer: A Prospective Study. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkaa109.	1.4	40
5868	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2019, 47, 8563-8580.	6.5	46
5869	The efficacy and safety of health qigong for anti-aging. <i>Medicine (United States)</i> , 2020, 99, e22877.	0.4	4
5870	Maintaining Muscle Function Across the Lifespan. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020, 99, 1171-1176.	0.7	7
5871	Targeting Alternative Splicing for Reversal of Cellular Senescence in the Context of Aesthetic Aging. <i>Plastic and Reconstructive Surgery</i> , 2021, 147, 25S-32S.	0.7	4
5872	No sex differences in adult telomere length across vertebrates: a meta-analysis. <i>Royal Society Open Science</i> , 2020, 7, 200548.	1.1	27
5978	Mitochondrial function in skeletal myofibers is controlled by a TRF2&SIRT3 axis over lifetime. <i>Aging Cell</i> , 2020, 19, e13097.	3.0	31
5979	Exercise training reverses cardiac aging phenotypes associated with heart failure with preserved ejection fraction in male mice. <i>Aging Cell</i> , 2020, 19, e13159.	3.0	46
5980	Nicotinamide phosphoribosyltransferase delays cellular senescence by upregulating <scp>SIRT</scp> 1 activity and antioxidant gene expression in mouse cells. <i>Genes To Cells</i> , 2017, 22, 982-992.	0.5	21

#	ARTICLE	IF	CITATIONS
5981	Topical equol preparation improves structural and molecular skin parameters. <i>International Journal of Cosmetic Science</i> , 2017, 39, 535-542.	1.2	15
5982	The role of senescence, telomere dysfunction and shelterin in vascular aging. <i>Microcirculation</i> , 2019, 26, e12487.	1.0	51
5984	Darwin. <i>ACM SIGPLAN Notices</i> , 2018, 53, 199-213.	0.2	41
5985	Breast Cancer beyond the Age of Mutation. <i>Gerontology</i> , 2016, 62, 434-442.	1.4	42
5986	Suboptimal hydration remodels metabolism, promotes degenerative diseases, and shortens life. <i>JCI Insight</i> , 2019, 4, .	2.3	25
5987	Transcriptional heterogeneity of fibroblasts is a hallmark of the aging heart. <i>JCI Insight</i> , 2019, 4, .	2.3	101
5988	Osteocyte RANKL is required for cortical bone loss with age and is induced by senescence. <i>JCI Insight</i> , 2020, 5, .	2.3	52
5989	Quantitative podocyte parameters predict human native kidney and allograft half-lives. <i>JCI Insight</i> , 2016, 1, .	2.3	26
5990	Loss of the Fanconi anemia-associated protein NIPA causes bone marrow failure. <i>Journal of Clinical Investigation</i> , 2020, 130, 2827-2844.	3.9	8
5991	Molecular crosstalk between Y5 receptor and neuropeptide Y drives liver cancer. <i>Journal of Clinical Investigation</i> , 2020, 130, 2509-2526.	3.9	29
5992	Aging-associated inflammation promotes selection for adaptive oncogenic events in B cell progenitors. <i>Journal of Clinical Investigation</i> , 2015, 125, 4666-4680.	3.9	116
5993	Interruption of progerin-lamin A/C binding ameliorates Hutchinson-Gilford progeria syndrome phenotype. <i>Journal of Clinical Investigation</i> , 2016, 126, 3879-3893.	3.9	76
5994	Dysfunction of the MDM2/p53 axis is linked to premature aging. <i>Journal of Clinical Investigation</i> , 2017, 127, 3598-3608.	3.9	54
5995	Endoplasmic reticulum stress in the pathogenesis of fibrotic disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 64-73.	3.9	132
5996	Senescent cells and osteoarthritis: a painful connection. <i>Journal of Clinical Investigation</i> , 2018, 128, 1229-1237.	3.9	215
5997	Role of sphingolipids in senescence: implication in aging and age-related diseases. <i>Journal of Clinical Investigation</i> , 2018, 128, 2702-2712.	3.9	125
5998	Altered microRNA expression links IL6 and TNF-induced inflammaging with myeloid malignancy in humans and mice. <i>Blood</i> , 2020, 135, 2235-2251.	0.6	35
6000	Increased mortality in elderly patients with acute respiratory distress syndrome is not explained by host response. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 58.	0.9	13

#	ARTICLE	IF	CITATIONS
6001	Impact of miRNAs on cardiovascular aging. <i>Journal of Geriatric Cardiology</i> , 2015, 12, 569-74.	0.2	28
6002	Cellular metabolism and IL-6 concentrations during stimulated inflammation in small and large dog breeds's primary fibroblasts cells, as they age. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	7
6003	Metformin Prevents H ₂ O ₂ -Induced Senescence in Human Lens Epithelial B3 Cells. <i>Medical Science Monitor Basic Research</i> , 2020, 26, e923391.	2.6	11
6004	The interplay between immunity and aging in <i>Drosophila</i> . <i>F1000Research</i> , 2018, 7, 160.	0.8	52
6005	mTOR as a central regulator of lifespan and aging. <i>F1000Research</i> , 2019, 8, 998.	0.8	244
6006	Recent advances in understanding primary ovarian insufficiency. <i>F1000Research</i> , 2020, 9, 1101.	0.8	46
6007	Astrocytes require insulin-like growth factor I to protect neurons against oxidative injury. <i>F1000Research</i> , 2014, 3, 28.	0.8	33
6008	Astrocytes require insulin-like growth factor I to protect neurons against oxidative injury. <i>F1000Research</i> , 2014, 3, 28.	0.8	58
6009	Geroscience approaches to increase healthspan and slow aging. <i>F1000Research</i> , 2016, 5, 785.	0.8	21
6010	Proteostasis and longevity: when does aging really begin?. <i>F1000prime Reports</i> , 2014, 6, 7.	5.9	78
6011	Effects of linear versus nonperiodized resistance training on isometric force and skeletal muscle mass adaptations in sarcopenic older adults. <i>Journal of Exercise Rehabilitation</i> , 2019, 15, 148-154.	0.4	9
6012	Cellular Senescence in Arterial Diseases. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 79.	1.1	11
6013	Killifish as a Model Organism. <i>Materials and Methods</i> , 0, 7, .	0.0	1
6014	LSM12-EPAC1 defines a neuroprotective pathway that sustains the nucleocytoplasmic RAN gradient. <i>PLoS Biology</i> , 2020, 18, e3001002.	2.6	12
6015	Identifying longevity associated genes by integrating gene expression and curated annotations. <i>PLoS Computational Biology</i> , 2020, 16, e1008429.	1.5	6
6016	Integrated Multiregional Analysis Proposing a New Model of Colorectal Cancer Evolution. <i>PLoS Genetics</i> , 2016, 12, e1005778.	1.5	134
6017	Short Telomeres in Key Tissues Initiate Local and Systemic Aging in Zebrafish. <i>PLoS Genetics</i> , 2016, 12, e1005798.	1.5	60
6018	Genetically predicted telomere length is associated with clonal somatic copy number alterations in peripheral leukocytes. <i>PLoS Genetics</i> , 2020, 16, e1009078.	1.5	14

#	ARTICLE	IF	CITATIONS
6019	Fine-tuning autophagy maximises lifespan and is associated with changes in mitochondrial gene expression in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2020, 16, e1009083.	1.5	43
6020	Effects of Extrinsic Mortality on the Evolution of Aging: A Stochastic Modeling Approach. <i>PLoS ONE</i> , 2014, 9, e86602.	1.1	29
6021	Long-Term Quiescent Fibroblast Cells Transit into Senescence. <i>PLoS ONE</i> , 2014, 9, e115597.	1.1	43
6022	A Conserved Transcriptional Signature of Delayed Aging and Reduced Disease Vulnerability Is Partially Mediated by SIRT3. <i>PLoS ONE</i> , 2015, 10, e0120738.	1.1	29
6023	Mismatch Repair-Deficient Crypt Foci in Lynch Syndrome â€œ Molecular Alterations and Association with Clinical Parameters. <i>PLoS ONE</i> , 2015, 10, e0121980.	1.1	57
6024	Telomerase Activity and Telomere Length in <i>Daphnia</i> . <i>PLoS ONE</i> , 2015, 10, e0127196.	1.1	30
6025	Non-Lethal Ionizing Radiation Promotes Aging-Like Phenotypic Changes of Human Hematopoietic Stem and Progenitor Cells in Humanized Mice. <i>PLoS ONE</i> , 2015, 10, e0132041.	1.1	14
6026	Comorbid Influences on Generic Health-Related Quality of Life in COPD: A Systematic Review. <i>PLoS ONE</i> , 2015, 10, e0132670.	1.1	40
6027	A Systematic Investigation into Aging Related Genes in Brain and Their Relationship with Alzheimerâ€™s Disease. <i>PLoS ONE</i> , 2016, 11, e0150624.	1.1	52
6028	MAP3K19 Is a Novel Regulator of TGF- β Signaling That Impacts Bleomycin-Induced Lung Injury and Pulmonary Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0154874.	1.1	21
6029	Ubiquitin Accumulation on Disease Associated Protein Aggregates Is Correlated with Nuclear Ubiquitin Depletion, Histone De-Ubiquitination and Impaired DNA Damage Response. <i>PLoS ONE</i> , 2017, 12, e0169054.	1.1	28
6030	Age, gender and UV-exposition related effects on gene expression in in vivo aged short term cultivated human dermal fibroblasts. <i>PLoS ONE</i> , 2017, 12, e0175657.	1.1	29
6031	Mortality is associated with inflammation, anemia, specific diseases and treatments, and molecular markers. <i>PLoS ONE</i> , 2017, 12, e0175909.	1.1	12
6032	Nucleolus association of chromosomal domains is largely maintained in cellular senescence despite massive nuclear reorganisation. <i>PLoS ONE</i> , 2017, 12, e0178821.	1.1	96
6033	Senescence as a novel mechanism involved in β -adrenergic receptor mediated cardiac hypertrophy. <i>PLoS ONE</i> , 2017, 12, e0182668.	1.1	26
6034	New approach to generating insights for aging research based on literature mining and knowledge integration. <i>PLoS ONE</i> , 2017, 12, e0183534.	1.1	7
6035	D-galactose-induced brain ageing model: A systematic review and meta-analysis on cognitive outcomes and oxidative stress indices. <i>PLoS ONE</i> , 2017, 12, e0184122.	1.1	80
6036	Red blood cell distribution width: Genetic evidence for aging pathways in 116,666 volunteers. <i>PLoS ONE</i> , 2017, 12, e0185083.	1.1	49

#	ARTICLE	IF	CITATIONS
6037	Positive cytoplasmic UCHL5 tumor expression in gastric cancer is linked to improved prognosis. PLoS ONE, 2018, 13, e0193125.	1.1	17
6038	Mitochondrial dysfunction reduces yeast replicative lifespan by elevating RAS-dependent ROS production by the ER-localized NADPH oxidase Yno1. PLoS ONE, 2018, 13, e0198619.	1.1	28
6039	ICFSR TASK FORCE PERSPECTIVE ON BIOMARKERS FOR SARCOPENIA AND FRAILITY. Journal of Frailty & Aging,the, 2020, 9, 1-5.	0.8	28
6040	The INSPIRE research initiative: a program for GeroScience and healthy aging research going from animal models to humans and the healthcare system. Journal of Frailty & Aging,the, 2021, 10, 1-8.	0.8	30
6041	Cognitive function and amyloid marker in frail older adults: The COGFRAIL Cohort Study. Journal of Frailty & Aging,the, 2021, 10, 1-8.	0.8	3
6042	Vitamin E Supplementation Reduces Cellular Loss in the Brain of a Premature Aging Mouse Model. journal of prevention of Alzheimer's disease, The, 2017, 4, 226-235.	1.5	17
6043	GEROSCIENCE AND THE ROLE OF AGING IN THE ETIOLOGY AND MANAGEMENT OF ALZHEIMER'S DISEASE. journal of prevention of Alzheimer's disease, The, 2020, 7, 1-2.	1.5	19
6044	Hydroxyurea Facilitates Manifestation of Disease Relevant Phenotypes in Patients-Derived iPSCs-Based Modeling of Late-Onset Parkinson's Disease. , 2019, 10, 1037.		8
6045	A Perspective on Roles Played by Immunosenescence in the Pathobiology of Alzheimer's Disease. , 2020, 11, 1594.		16
6046	Autophagy Is Pro-Senescence When Seen in Close-Up, but Anti-Senescence in Long-Shot. Molecules and Cells, 2017, 40, 607-612.	1.0	71
6047	Transcriptional Repression of High-Mobility Group Box 2 by p21 in Radiation-Induced Senescence. Molecules and Cells, 2018, 41, 362-372.	1.0	6
6048	Senolytics and Senostatics: A Two-Pronged Approach to Target Cellular Senescence for Delaying Aging and Age-Related Diseases. Molecules and Cells, 2019, 42, 821-827.	1.0	61
6049	Defective expression of the peroxisome regulators PPAR α receptors and lysogenesis with increased cellular senescence in the venous wall of chronic venous disorder. Histology and Histopathology, 2021, 36, 547-558.	0.5	9
6050	Sedentary behavior, physical activity and cardiorespiratory fitness on leukocyte telomere length. Health Promotion Perspectives, 2017, 7, 22-27.	0.8	24
6051	ADAM17-triggered TNF signalling protects the ageing <i>Drosophila</i> retina from lipid droplet-mediated degeneration. EMBO Journal, 2020, 39, e104415.	3.5	25
6052	Small-molecule inhibition of aging-associated chromosomal instability delays cellular senescence. EMBO Reports, 2020, 21, e49248.	2.0	27
6053	Pivotal role of NF- κ B in cellular senescence of experimental pituitary tumours. Journal of Endocrinology, 2020, 245, 179-191.	1.2	8
6054	Molecular therapies delaying cardiovascular aging: disease- or health-oriented approaches. Vascular Biology (Bristol, England), 2020, 2, R45-R58.	1.2	6

#	ARTICLE	IF	CITATIONS
6055	Neutrophil Modulation in Alpha-1 Antitrypsin Deficiency. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2020, 7, 247-259.	0.5	5
6056	THE ROLE OF BETA-AMYLOID IN NORM AND AT ALZHEIMER'S DISEASE. <i>Fiziologichnyi Zhurnal (Kiev.)</i> Tj ETQq1 1 0.784314 rgBT /Over 0.1 3	0.1	3
6057	Novel role of the SIRT4-OPA1 axis in mitochondrial quality control. <i>Cell Stress</i> , 2018, 2, 1-3.	1.4	13
6058	Neuronal Lamin regulates motor circuit integrity and controls motor function and lifespan. <i>Cell Stress</i> , 2018, 2, 225-232.	1.4	14
6059	Mitochondria organize the cellular proteostatic response and promote cellular senescence. <i>Cell Stress</i> , 2019, 3, 110-114.	1.4	7
6060	The transcriptional repressor Sum1p counteracts Sir2p in regulation of the actin cytoskeleton, mitochondrial quality control and replicative lifespan in <i>Saccharomyces cerevisiae</i> . <i>Microbial Cell</i> , 2016, 3, 79-88.	1.4	6
6061	Endoplasmic Reticulum Stress of Skeletal Muscle and Exercise Training Effects in Aging and Obesity. <i>The Asian Journal of Kinesiology</i> , 2018, 20, 1-10.	0.1	1
6062	Aging: a New Perspective on an Old Issue. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20200437.	0.3	3
6063	AQP5 regulates the proliferation and differentiation of epidermal stem cells in skin aging. <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, e10009.	0.7	17
6064	Autophagy and Cellular Senescence in Lung Diseases. <i>Journal of Biochemistry and Molecular Biology Research</i> , 2015, 1, 54-66.	0.3	6
6065	Connexin-dependent intercellular stress signaling in tissue homeostasis and tumor development. <i>Acta Biochimica Polonica</i> , 2017, 64, 377-389.	0.3	18
6066	New Insight in The Molecular Mechanisms of Neurodegenerative Disease. <i>Indonesian Biomedical Journal</i> , 2018, 10, 16.	0.2	3
6067	Mitochondrial membrane lipidome defines yeast longevity. <i>Aging</i> , 2013, 5, 551-574.	1.4	35
6068	Prelamin A accumulation and stress conditions induce impaired Oct-1 activity and autophagy in prematurely aged human mesenchymal stem cell. <i>Aging</i> , 2014, 6, 264-280.	1.4	47
6069	Aging synaptic mitochondria exhibit dynamic proteomic changes while maintaining bioenergetic function. <i>Aging</i> , 2014, 6, 320-334.	1.4	57
6070	The age related markers lipofuscin and apoptosis show different genetic architecture by QTL mapping in short-lived <i>Nothobranchius</i> fish. <i>Aging</i> , 2014, 6, 468-480.	1.4	13
6071	Stochastic modeling indicates that aging and somatic evolution in the hematopoietic system are driven by non-cell-autonomous processes. <i>Aging</i> , 2014, 6, 1033-1048.	1.4	51
6072	Signaling pathway activation drift during aging: Hutchinson-Gilford Progeria Syndrome fibroblasts are comparable to normal middle-age and old-age cells. <i>Aging</i> , 2015, 7, 26-37.	1.4	62

#	ARTICLE	IF	CITATIONS
6073	Serum from calorie-restricted animals delays senescence and extends the lifespan of normal human fibroblasts in vitro. <i>Aging</i> , 2015, 7, 152-166.	1.4	20
6074	Structural chromosome abnormalities, increased DNA strand breaks and DNA strand break repair deficiency in dermal fibroblasts from old female human donors. <i>Aging</i> , 2015, 7, 110-122.	1.4	27
6075	Functional genomic analysis reveals overlapping and distinct features of chronologically long-lived yeast populations. <i>Aging</i> , 2015, 7, 177-194.	1.4	10
6076	Caloric restriction induces heat shock response and inhibits B16F10 cell tumorigenesis both in vitro and in vivo. <i>Aging</i> , 2015, 7, 233-240.	1.4	6
6077	Cellular senescence-like features of lung fibroblasts derived from idiopathic pulmonary fibrosis patients. <i>Aging</i> , 2015, 7, 664-672.	1.4	132
6078	Proteasome function is not impaired in healthy aging of the lung. <i>Aging</i> , 2015, 7, 776-787.	1.4	13
6079	Age-related neuroinflammation and changes in AKT-GSK-3 β and WNT/ β -CATENIN signaling in rat hippocampus. <i>Aging</i> , 2015, 7, 1094-1108.	1.4	76
6080	DNA repair and aging: the impact of the p53 family. <i>Aging</i> , 2015, 7, 1050-1065.	1.4	89
6081	Reversal of phenotypes of cellular senescence by pan-mTOR inhibition. <i>Aging</i> , 2016, 8, 231-244.	1.4	89
6082	DNA damage markers in dermal fibroblasts in vitro reflect chronological donor age. <i>Aging</i> , 2016, 8, 147-155.	1.4	17
6083	Mitochondria operate as signaling platforms in yeast aging. <i>Aging</i> , 2016, 8, 212-213.	1.4	15
6084	Human longevity is influenced by many genetic variants: evidence from 75,000 UK Biobank participants. <i>Aging</i> , 2016, 8, 547-560.	1.4	113
6085	Fat-specific Dicer deficiency accelerates aging and mitigates several effects of dietary restriction in mice. <i>Aging</i> , 2016, 8, 1201-1222.	1.4	47
6086	Crosstalk of clock gene expression and autophagy in aging. <i>Aging</i> , 2016, 8, 1876-1895.	1.4	35
6087	The role of hydrogen sulfide in aging and age-related pathologies. <i>Aging</i> , 2016, 8, 2264-2289.	1.4	65
6088	Protective effects of alpha phenyl-tert-butyl nitron and ascorbic acid in human adipose derived mesenchymal stem cells from differently aged donors. <i>Aging</i> , 2016, 9, 340-352.	1.4	9
6089	In search for geroprotectors: in silico screening and in vitro validation of signalome-level mimetics of young healthy state. <i>Aging</i> , 2016, 8, 2127-2152.	1.4	56
6090	Specific premature epigenetic aging of cartilage in osteoarthritis. <i>Aging</i> , 2016, 8, 2222-2231.	1.4	38

#	ARTICLE	IF	CITATIONS
6091	Tethering telomerase to telomeres increases genome instability and promotes chronological aging in yeast. <i>Aging</i> , 2016, 8, 2827-2847.	1.4	9
6092	A serum miRNA profile of human longevity: findings from the Baltimore Longitudinal Study of Aging (BLSA). <i>Aging</i> , 2016, 8, 2971-2987.	1.4	60
6093	Genomic deletion of GIT2 induces a premature age-related thymic dysfunction and systemic immune system disruption. <i>Aging</i> , 2017, 9, 706-740.	1.4	15
6094	Physiological frailty index (PFI): quantitative in-life estimate of individual biological age in mice. <i>Aging</i> , 2017, 9, 615-626.	1.4	54
6095	Progressive changes in non-coding RNA profile in leucocytes with age. <i>Aging</i> , 2017, 9, 1202-1218.	1.4	13
6097	Paradoxical aging in HIV: immune senescence of B Cells is most prominent in young age. <i>Aging</i> , 2017, 9, 1307-1325.	1.4	43
6098	Dysregulation of mTORC1/autophagy axis in senescence. <i>Aging</i> , 2017, 9, 1851-1852.	1.4	7
6099	SIRT4 interacts with OPA1 and regulates mitochondrial quality control and mitophagy. <i>Aging</i> , 2017, 9, 2163-2189.	1.4	108
6100	Mitogen-activated protein kinases, Fus3 and Kss1, regulate chronological lifespan in yeast. <i>Aging</i> , 2017, 9, 2587-2609.	1.4	11
6101	Clock mediates liver senescence by controlling ER stress. <i>Aging</i> , 2017, 9, 2647-2665.	1.4	51
6102	Effects of senescence and angiotensin II on expression and processing of amyloid precursor protein in human cerebral microvascular endothelial cells. <i>Aging</i> , 2018, 10, 100-114.	1.4	14
6103	Rapamycin prevents the intervertebral disc degeneration via inhibiting differentiation and senescence of annulus fibrosus cells. <i>Aging</i> , 2018, 10, 131-143.	1.4	34
6104	Cross-organelle communication at the core of longevity. <i>Aging</i> , 2018, 10, 15-16.	1.4	11
6105	Age-associated bimodal transcriptional drift reduces intergenic disparities in transcription. <i>Aging</i> , 2018, 10, 789-807.	1.4	15
6106	Non-senescent Hydra tolerates severe disturbances in the nuclear lamina. <i>Aging</i> , 2018, 10, 951-972.	1.4	21
6107	Common and unique transcriptional responses to dietary restriction and loss of insulin receptor substrate 1 (IRS1) in mice. <i>Aging</i> , 2018, 10, 1027-1052.	1.4	8
6108	Does photobiomodulation influence ageing?. <i>Aging</i> , 2018, 10, 2224-2225.	1.4	13
6109	Aging and aging-associated diseases: a microRNA-based endocrine regulation hypothesis. <i>Aging</i> , 2018, 10, 2557-2569.	1.4	12

#	ARTICLE	IF	CITATIONS
6110	Accelerated aging induced by deficiency of Zmpste24 protects old mice to develop bleomycin-induced pulmonary fibrosis. <i>Aging</i> , 2018, 10, 3881-3896.	1.4	6
6111	Higher gene expression stability during aging in long-lived giant mole-rats than in short-lived rats. <i>Aging</i> , 2018, 10, 3938-3956.	1.4	16
6112	Suppression of mTORC1 activity in senescent Ras-transformed cells neither restores autophagy nor abrogates apoptotic death caused by inhibition of MEK/ERK kinases. <i>Aging</i> , 2018, 10, 3574-3589.	1.4	6
6113	SNCA overexpression disturbs hippocampal gene expression trajectories in midlife. <i>Aging</i> , 2018, 10, 4024-4041.	1.4	10
6114	Protein synthesis and quality control in aging. <i>Aging</i> , 2018, 10, 4269-4288.	1.4	116
6115	Replicative senescent human cells possess altered circadian clocks with a prolonged period and delayed peak-time. <i>Aging</i> , 2019, 11, 950-973.	1.4	17
6116	Age and poverty status alter the coding and noncoding transcriptome. <i>Aging</i> , 2019, 11, 1189-1203.	1.4	13
6117	Alternative polyadenylation dependent function of splicing factor SRSF3 contributes to cellular senescence. <i>Aging</i> , 2019, 11, 1356-1388.	1.4	33
6118	Delayed γ H2AX foci disappearance in mammary epithelial cells from aged women reveals an age-associated DNA repair defect. <i>Aging</i> , 2019, 11, 1510-1523.	1.4	13
6119	Longitudinal assessment of health-span and pre-death morbidity in wild type <i>Drosophila</i> . <i>Aging</i> , 2019, 11, 1850-1873.	1.4	10
6120	Sex differences in the aging human heart: decreased sirtuins, pro-inflammatory shift and reduced anti-oxidative defense. <i>Aging</i> , 2019, 11, 1918-1933.	1.4	58
6121	DNA methylation in genes of longevity-regulating pathways: association with obesity and metabolic complications. <i>Aging</i> , 2019, 11, 1874-1899.	1.4	32
6122	Impaired ribosome biogenesis: mechanisms and relevance to cancer and aging. <i>Aging</i> , 2019, 11, 2512-2540.	1.4	129
6123	Laminin β 4 overexpression in the anterior lens capsule may contribute to the senescence of human lens epithelial cells in age-related cataract. <i>Aging</i> , 2019, 11, 2699-2723.	1.4	18
6124	c-Met as a new marker of cellular senescence. <i>Aging</i> , 2019, 11, 2889-2897.	1.4	11
6125	Telomerase gene therapy ameliorates the effects of neurodegeneration associated to short telomeres in mice. <i>Aging</i> , 2019, 11, 2916-2948.	1.4	36
6126	Nicotinamide phosphoribosyltransferase postpones rat bone marrow mesenchymal stem cell senescence by mediating NAD ⁺ -Sirt1 signaling. <i>Aging</i> , 2019, 11, 3505-3522.	1.4	36
6127	β -Ketoglutarate inhibits autophagy. <i>Aging</i> , 2019, 11, 3418-3431.	1.4	30

#	ARTICLE	IF	CITATIONS
6128	Intermediate metabolites of the pyrimidine metabolism pathway extend the lifespan of <i>C. elegans</i> through regulating reproductive signals. <i>Aging</i> , 2019, 11, 3993-4010.	1.4	29
6129	HNRNPA1-mediated 3' UTR length changes of <i>HN1</i> contributes to cancer- and senescence-associated phenotypes. <i>Aging</i> , 2019, 11, 4407-4437.	1.4	19
6130	Blood autophagy defect causes accelerated non-hematopoietic organ aging. <i>Aging</i> , 2019, 11, 4910-4922.	1.4	14
6131	Association of basal metabolic rate and fuel oxidation in basal conditions and during exercise, with plasma S-klotho: the FIT-AGEING study. <i>Aging</i> , 2019, 11, 5319-5333.	1.4	14
6132	Sex-specific components of frailty in C57BL/6 mice. <i>Aging</i> , 2019, 11, 5206-5214.	1.4	36
6133	The metabolomic signature of extreme longevity: naked mole rats versus mice. <i>Aging</i> , 2019, 11, 4783-4800.	1.4	43
6134	Frailty in middle age is associated with frailty status and race-specific changes to the transcriptome. <i>Aging</i> , 2019, 11, 5518-5534.	1.4	17
6135	LncRNA RP11-670E13.6, interacted with hnRNPH, delays cellular senescence by sponging microRNA-663a in UVB damaged dermal fibroblasts. <i>Aging</i> , 2019, 11, 5992-6013.	1.4	17
6136	A defined human aging phenome. <i>Aging</i> , 2019, 11, 5786-5806.	1.4	16
6137	Inhibition of de novo ceramide biosynthesis affects aging phenotype in an in vitro model of neuronal senescence. <i>Aging</i> , 2019, 11, 6336-6357.	1.4	9
6138	Telomere length, vitamin B12 and mortality in persons undergoing coronary angiography: the Ludwigshafen risk and cardiovascular health study. <i>Aging</i> , 2019, 11, 7083-7097.	1.4	14
6139	Metabolic remodeling induced by mitokines in heart failure. <i>Aging</i> , 2019, 11, 7307-7327.	1.4	9
6140	Conserved aging-related signatures of senescence and inflammation in different tissues and species. <i>Aging</i> , 2019, 11, 8556-8572.	1.4	26
6141	Bone marrow-derived mesenchymal stem cells in three-dimensional co-culture attenuate degeneration of nucleus pulposus cells. <i>Aging</i> , 2019, 11, 9167-9187.	1.4	21
6142	Slower rates of accumulation of DNA damage in leukocytes correlate with longer lifespans across several species of birds and mammals. <i>Aging</i> , 2019, 11, 9829-9845.	1.4	7
6143	Age-associated changes in human CD4+ T cells point to mitochondrial dysfunction consequent to impaired autophagy. <i>Aging</i> , 2019, 11, 9234-9263.	1.4	63
6144	Hydrogen sulfide attenuates mitochondrial dysfunction-induced cellular senescence and apoptosis in alveolar epithelial cells by upregulating sirtuin 1. <i>Aging</i> , 2019, 11, 11844-11864.	1.4	43
6145	T cells and immune functions of plasma extracellular vesicles are differentially modulated from adults to centenarians. <i>Aging</i> , 2019, 11, 10723-10741.	1.4	12

#	ARTICLE	IF	CITATIONS
6146	The RXFP3 receptor is functionally associated with cellular responses to oxidative stress and DNA damage. <i>Aging</i> , 2019, 11, 11268-11313.	1.4	10
6147	Targeting senescent cells: approaches, opportunities, challenges. <i>Aging</i> , 2019, 11, 12844-12861.	1.4	67
6148	Resveratrol targets PD-L1 glycosylation and dimerization to enhance antitumor T-cell immunity. <i>Aging</i> , 2020, 12, 8-34.	1.4	99
6149	Meta-analytic evidence for the anti-aging effect of hormesis on <i>Caenorhabditis elegans</i> . <i>Aging</i> , 2020, 12, 2723-2746.	1.4	18
6150	Uric acid induces stress resistance and extends the life span through activating the stress response factor DAF-16/FOXO and SKN-1/NRF2. <i>Aging</i> , 2020, 12, 2840-2856.	1.4	19
6151	Successful aging: insights from proteome analyses of healthy centenarians. <i>Aging</i> , 2020, 12, 3502-3515.	1.4	31
6152	NMR-based metabolomic analysis of HUVEC cells during replicative senescence. <i>Aging</i> , 2020, 12, 3626-3646.	1.4	17
6153	Targeting aged bone marrow for systemic rejuvenation. <i>Aging</i> , 2020, 12, 2024-2025.	1.4	4
6154	Transplant of microbiota from long-living people to mice reduces aging-related indices and transfers beneficial bacteria. <i>Aging</i> , 2020, 12, 4778-4793.	1.4	38
6155	APEX1 is a novel diagnostic and prognostic biomarker for hepatocellular carcinoma. <i>Aging</i> , 2020, 12, 4573-4591.	1.4	49
6156	Intermedin1-53 attenuates aging-associated vascular calcification in rats by upregulating sirtuin 1. <i>Aging</i> , 2020, 12, 5651-5674.	1.4	21
6157	Increased expression of the mitochondrial derived peptide, MOTS-c, in skeletal muscle of healthy aging men is associated with myofiber composition. <i>Aging</i> , 2020, 12, 5244-5258.	1.4	33
6158	The flip side of sirtuins: the emerging roles of protein acetyltransferases in aging. <i>Aging</i> , 2020, 12, 4673-4677.	1.4	3
6159	Verapamil extends lifespan in <i>Caenorhabditis elegans</i> by inhibiting calcineurin activity and promoting autophagy. <i>Aging</i> , 2020, 12, 5300-5317.	1.4	21
6160	Geroprotective and senoremediative strategies to reduce the comorbidity, infection rates, severity, and lethality in gerophilic and gerolavic infections. <i>Aging</i> , 2020, 12, 6492-6510.	1.4	75
6161	Nrf2 deficiency promotes the increasing trend of autophagy during aging in skeletal muscle: a potential mechanism for the development of sarcopenia. <i>Aging</i> , 2020, 12, 5977-5991.	1.4	27
6162	Myotonic Dystrophy type 1 cells display impaired metabolism and mitochondrial dysfunction that are reversed by metformin. <i>Aging</i> , 2020, 12, 6260-6275.	1.4	28
6163	Spermidine and spermine delay brain aging by inducing autophagy in SAMP8 mice. <i>Aging</i> , 2020, 12, 6401-6414.	1.4	85

#	ARTICLE	IF	CITATIONS
6164	Identification of SYK inhibitor, R406 as a novel senolytic agent. <i>Aging</i> , 2020, 12, 8221-8240.	1.4	21
6165	Physiological and metabolic features of mice with CRISPR/Cas9-mediated loss-of-function in growth hormone-releasing hormone. <i>Aging</i> , 2020, 12, 9761-9780.	1.4	11
6166	Ovarian aging increases small extracellular vesicle CD81+ release in human follicular fluid and influences miRNA profiles. <i>Aging</i> , 2020, 12, 12324-12341.	1.4	29
6167	Plasma acylcarnitine levels increase with healthy aging. <i>Aging</i> , 2020, 12, 13555-13570.	1.4	35
6168	Multi-omics network analysis reveals distinct stages in the human aging progression in epidermal tissue. <i>Aging</i> , 2020, 12, 12393-12409.	1.4	21
6169	Aging affects sex- and organ-specific trace element profiles in mice. <i>Aging</i> , 2020, 12, 13762-13790.	1.4	14
6170	Association between Nrf2 and CDKN2A expression in patients with end-stage renal disease: a pilot study. <i>Aging</i> , 2020, 12, 16357-16367.	1.4	4
6171	Genetic variation between long-lived versus short-lived bats illuminates the molecular signatures of longevity. <i>Aging</i> , 2020, 12, 15962-15977.	1.4	10
6172	Relationship closeness buffers the effects of perceived stress on transcriptomic indicators of cellular stress and biological aging marker p16INK4a. <i>Aging</i> , 2020, 12, 16476-16490.	1.4	8
6173	Rapamycin for aging stem cells. <i>Aging</i> , 2020, 12, 15184-15185.	1.4	8
6174	Global variability of the human IgG glycome. <i>Aging</i> , 2020, 12, 15222-15259.	1.4	37
6175	Smyd3-PARP16 axis accelerates unfolded protein response and vascular aging. <i>Aging</i> , 2020, 12, 21423-21445.	1.4	12
6176	Epigenetic mutation load is weakly correlated with epigenetic age acceleration. <i>Aging</i> , 2020, 12, 17863-17894.	1.4	12
6177	Hippocampal and cortical tissue-specific epigenetic clocks indicate an increased epigenetic age in a mouse model for Alzheimer's disease. <i>Aging</i> , 2020, 12, 20817-20834.	1.4	22
6178	Metformin alters skeletal muscle transcriptome adaptations to resistance training in older adults. <i>Aging</i> , 2020, 12, 19852-19866.	1.4	24
6179	Systemic overexpression of C-C motif chemokine ligand 2 promotes metabolic dysregulation and premature death in mice with accelerated aging. <i>Aging</i> , 2020, 12, 20001-20023.	1.4	5
6180	Identification of prognostic aging-related genes associated with immunosuppression and inflammation in head and neck squamous cell carcinoma. <i>Aging</i> , 2020, 12, 25778-25804.	1.4	21
6181	Influence of aging on deterioration of patients with COVID-19. <i>Aging</i> , 2020, 12, 26248-26262.	1.4	10

#	ARTICLE	IF	CITATIONS
6182	Sexual dimorphism in aging hematopoiesis: an earlier decline of hematopoietic stem and progenitor cells in male than female mice. <i>Aging</i> , 2020, 12, 25939-25955.	1.4	8
6183	Hyperbaric oxygen therapy increases telomere length and decreases immunosenescence in isolated blood cells : a prospective trial. <i>Aging</i> , 2020, 12, 22445-22456.	1.4	31
6184	6-Bromoindirubin-3-oxime (6BIO) prevents myocardium from aging by inducing autophagy. <i>Aging</i> , 2020, 12, 26047-26062.	1.4	10
6185	Dilated cardiomyopathy impairs mitochondrial biogenesis and promotes inflammation in an age- and sex-dependent manner. <i>Aging</i> , 2020, 12, 24117-24133.	1.4	11
6186	Biological characteristics of aging in human acute myeloid leukemia cells: the possible importance of aldehyde dehydrogenase, the cytoskeleton and altered transcriptional regulation. <i>Aging</i> , 2020, 12, 24734-24777.	1.4	13
6187	A DNA methylation age predictor for zebrafish. <i>Aging</i> , 2020, 12, 24817-24835.	1.4	30
6188	Leukocyte telomere length and mortality risk in patients with type 2 diabetes. <i>Oncotarget</i> , 2016, 7, 50835-50844.	0.8	44
6189	GDF11 administration does not extend lifespan in a mouse model of premature aging. <i>Oncotarget</i> , 2016, 7, 55951-55956.	0.8	16
6190	High fat diet exacerbates Alzheimer's disease-related pathology in APP ^{swe} /PS1 mice. <i>Oncotarget</i> , 2016, 7, 67808-67827.	0.8	94
6191	Selective anticancer agents suppress aging in <i>Drosophila</i> . <i>Oncotarget</i> , 2013, 4, 1507-1526.	0.8	39
6192	Critically short telomeres and toxicity of chemotherapy in early breast cancer. <i>Oncotarget</i> , 2017, 8, 21472-21482.	0.8	14
6193	Caloric restriction delays early phases of carcinogenesis via effects on the tissue microenvironment. <i>Oncotarget</i> , 2017, 8, 36020-36032.	0.8	19
6194	Specific changes in mitochondrial lipidome alter mitochondrial proteome and increase the geroprotective efficiency of lithocholic acid in chronologically aging yeast. <i>Oncotarget</i> , 2017, 8, 30672-30691.	0.8	15
6195	Premature senescence of cardiac fibroblasts and atrial fibrosis in patients with atrial fibrillation. <i>Oncotarget</i> , 2017, 8, 57981-57990.	0.8	36
6196	Apoptosis in the aging liver. <i>Oncotarget</i> , 2017, 8, 102640-102652.	0.8	24
6197	Minocycline treatment increases resistance to oxidative stress and extends lifespan in <i>Drosophila</i> via FOXO. <i>Oncotarget</i> , 2017, 8, 87878-87890.	0.8	22
6198	Landscape of genome-wide age-related DNA methylation in breast tissue. <i>Oncotarget</i> , 2017, 8, 114648-114662.	0.8	27
6199	MMP2-A2M interaction increases ECM accumulation in aged rat kidney and its modulation by calorie restriction. <i>Oncotarget</i> , 2018, 9, 5588-5599.	0.8	18

#	ARTICLE	IF	CITATIONS
6200	CSA and CSB play a role in the response to DNA breaks. <i>Oncotarget</i> , 2018, 9, 11581-11591.	0.8	23
6201	Effect of therapies-mediated modulation of telomere and/or telomerase on cancer cells radiosensitivity. <i>Oncotarget</i> , 2018, 9, 35008-35025.	0.8	4
6202	Investigation of the role of VHL-HIF signaling in DNA repair and apoptosis in zebrafish. <i>Oncotarget</i> , 2020, 11, 1109-1130.	0.8	3
6203	Discovery of fifteen new geroprotective plant extracts and identification of cellular processes they affect to prolong the chronological lifespan of budding yeast. <i>Oncotarget</i> , 2020, 11, 2182-2203.	0.8	5
6204	Quantification of cellular viability by automated microscopy and flow cytometry. <i>Oncotarget</i> , 2015, 6, 9467-9475.	0.8	16
6205	Expression alterations define unique molecular characteristics of spinal ependymomas. <i>Oncotarget</i> , 2015, 6, 19780-19791.	0.8	11
6206	Pharmacogenomic analysis indicates potential of 1,5-isoquinolinediol as a universal anti-aging agent for different tissues. <i>Oncotarget</i> , 2015, 6, 17251-17260.	0.8	7
6207	Dual mTORC1/C2 inhibitors: gerosuppressors with potential anti-aging effect. <i>Oncotarget</i> , 2015, 6, 23052-23054.	0.8	18
6208	To unite or divide: mitochondrial dynamics in the murine outer retina that preceded age related photoreceptor loss. <i>Oncotarget</i> , 2015, 6, 26690-26701.	0.8	29
6209	Identification of ageing-associated naturally occurring peptides in human urine. <i>Oncotarget</i> , 2015, 6, 34106-34117.	0.8	31
6210	c-Maf regulates pluripotency genes, proliferation/self-renewal, and lineage commitment in ROS-mediated senescence of human mesenchymal stem cells. <i>Oncotarget</i> , 2015, 6, 35404-35418.	0.8	29
6211	Tumor-host signaling interaction reveals a systemic, age-dependent splenic immune influence on tumor development. <i>Oncotarget</i> , 2015, 6, 35419-35432.	0.8	20
6212	A novel approach to the discovery of anti-tumor pharmaceuticals: searching for activators of liponecrosis. <i>Oncotarget</i> , 2016, 7, 5204-5225.	0.8	17
6213	Metronomic topotecan impedes tumor growth of MYCN-amplified neuroblastoma cells in vitro and in vivo by therapy induced senescence. <i>Oncotarget</i> , 2016, 7, 3571-3586.	0.8	39
6214	Barrier-to-Autointegration Factor (BAF) involvement in prelamin A-related chromatin organization changes. <i>Oncotarget</i> , 2016, 7, 15662-15677.	0.8	49
6215	Reprogramming of energy metabolism as a driver of aging. <i>Oncotarget</i> , 2016, 7, 15410-15420.	0.8	52
6216	Rationale and design of the allogeneic human mesenchymal stem cells (hMSC) in patients with aging frailty via intravenous delivery (CRATUS) study: A phase I/II, randomized, blinded and placebo controlled trial to evaluate the safety and potential efficacy of allogeneic human mesenchymal stem cell infusion in patients with aging frailty. <i>Oncotarget</i> , 2016, 7, 11899-11912.	0.8	37
6217	Evidence that hematopoietic stem cell function is preserved during aging in long-lived S6K1 mutant mice. <i>Oncotarget</i> , 2016, 7, 29937-29943.	0.8	14

#	ARTICLE	IF	CITATIONS
6218	The anti-aging effects of LW-AFC via correcting immune dysfunctions in senescence accelerated mouse resistant 1 (SAMR1) strain. <i>Oncotarget</i> , 2016, 7, 26949-26965.	0.8	18
6219	Functional networks of aging markers in the glomeruli of IgA nephropathy: a new therapeutic opportunity. <i>Oncotarget</i> , 2016, 7, 33616-33626.	0.8	22
6220	Vitamin D receptor signaling improves Hutchinson-Gilford progeria syndrome cellular phenotypes. <i>Oncotarget</i> , 2016, 7, 30018-30031.	0.8	53
6221	Review of Recent Studies and Research Analysis for Anti-oxidant and Anti-aging Materials. <i>Asian Journal of Beauty and Cosmetology</i> , 2016, 14, 481-491.	0.2	18
6222	Macrophage Immunometabolism and Inflammaging: Roles of Mitochondrial Dysfunction, Cellular Senescence, CD38, and NAD. <i>Immunometabolism</i> , 2020, 2, e200026.	0.7	33
6223	Green tea supplementation promote leukocyte telomere length elongation in obese women. <i>Nutricion Hospitalaria</i> , 2018, 35, 570-575.	0.2	8
6224	MICROSATELLITE-UNSTABLE COLORECTAL CANCER IN ELDERLY PATIENTS: CLINICAL FEATURES AND THE ROLE OF IMMUNODEFICIENCY. <i>Siberian Journal of Oncology</i> , 2020, 19, 31-39.	0.1	2
6225	Prophylaxis of Non-communicable Diseases: Why Fruits and Vegetables may be Better Chemopreventive Agents than Dietary Supplements Based on Isolated Phytochemicals?. <i>Current Pharmaceutical Design</i> , 2019, 25, 1847-1860.	0.9	21
6226	Effects of Aging and Diet on Cardioprotection and Cardiometabolic Risk Markers. <i>Current Pharmaceutical Design</i> , 2019, 25, 3704-3714.	0.9	9
6227	Anti-Aging Effect of Metformin: A Molecular and Therapeutical Perspective. <i>Current Pharmaceutical Design</i> , 2020, 26, 4496-4508.	0.9	18
6228	Saponins of <i>Panax japonicus</i> Confer Neuroprotection against Brain Aging through Mitochondrial Related Oxidative Stress and Autophagy in Rats. <i>Current Pharmaceutical Biotechnology</i> , 2020, 21, 667-680.	0.9	11
6229	Life-history Constraints on the Mechanisms that Control the Rate of ROS Production. <i>Current Genomics</i> , 2014, 15, 217-230.	0.7	19
6230	Epigenetics of Aging. <i>Current Genomics</i> , 2015, 16, 435-440.	0.7	39
6231	Aging as an Epigenetic Phenomenon. <i>Current Genomics</i> , 2017, 18, 385-407.	0.7	58
6232	Regulation of Age-related Decline by Transcription Factors and Their Crosstalk with the Epigenome. <i>Current Genomics</i> , 2018, 19, 464-482.	0.7	10
6233	A Mitochondrial Approach to Cardiovascular Risk and Disease. <i>Current Pharmaceutical Design</i> , 2019, 25, 3175-3194.	0.9	19
6234	Roles of Apoptosis and Cellular Senescence in Cancer and Aging. <i>Current Drug Targets</i> , 2016, 17, 405-415.	1.0	39
6235	Pleiotropic Effects of Tocotrienols and Quercetin on Cellular Senescence: Introducing the Perspective of Senolytic Effects of Phytochemicals. <i>Current Drug Targets</i> , 2016, 17, 447-459.	1.0	46

#	ARTICLE	IF	CITATIONS
6236	Autophagy: A Promising Target for Age-related Osteoporosis. <i>Current Drug Targets</i> , 2019, 20, 354-365.	1.0	18
6237	Sumoylation in Cellular Senescence and Aging. <i>Current Molecular Medicine</i> , 2017, 16, 871-876.	0.6	17
6238	Current State of Saliva Biomarkers for Aging and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2018, 16, 56-66.	0.7	22
6239	Effects of Resveratrol and other Polyphenols on Sirt1: Relevance to Brain Function During Aging. <i>Current Neuropharmacology</i> , 2018, 16, 126-136.	1.4	90
6240	Experimental Models for Aging and their Potential for Novel Drug Discovery. <i>Current Neuropharmacology</i> , 2018, 16, 1466-1483.	1.4	35
6241	Endothelial Extracellular Vesicles Produced by Senescent Cells: Pathophysiological Role in the Cardiovascular Disease Associated with all Types of Diabetes Mellitus. <i>Current Vascular Pharmacology</i> , 2019, 17, 447-454.	0.8	25
6242	Heat Shock Factor (HSF): The Promoter of Chaperone Genes. A Mini Review. <i>Current Proteomics</i> , 2018, 16, 22-30.	0.1	1
6243	Stem Cell Aging in Lifespan and Disease: A State-of-the-Art Review. <i>Current Stem Cell Research and Therapy</i> , 2020, 15, 362-378.	0.6	38
6244	Aging and Systemic Lupus Erythematosus - Immunosenescence and Beyond. <i>Current Aging Science</i> , 2015, 8, 158-177.	0.4	25
6245	At the Crossroads Between Neurodegeneration and Cancer: A Review of Overlapping Biology and Its Implications. <i>Current Aging Science</i> , 2019, 11, 77-89.	0.4	67
6246	Ageing as an Important Risk Factor for Cancer. <i>Anticancer Research</i> , 2016, 36, 5009-5018.	0.5	95
6247	Serious Motion-Based Exercise Games for Older Adults: Evaluation of Usability, Performance, and Pain Mitigation. <i>JMIR Serious Games</i> , 2020, 8, e14182.	1.7	19
6249	Integrating functional ageing into daily clinical practice. <i>Journal of Frailty, Sarcopenia and Falls</i> , 2019, 04, 30-35.	0.4	4
6250	Lymphology and translational medicine. <i>International Angiology</i> , 2020, 39, 422-432.	0.4	5
6251	Effects of aging on gene expression in blood of captive Tibetan macaques (<i>Macaca</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 T	0.9	5
6252	Anti-aging Effect of Free Curcumin and Niosome Entrapping Curcumin in H2O2-induced Aging in Human Fibroblast Cell Lines. <i>Journal of Advances in Physics</i> , 2019, 16, 237-246.	0.2	2
6253	The dynamic nature of ageing: novel findings, therapeutic avenues and medical interventions. <i>Anthropological Review</i> , 2020, 83, 75-92.	0.2	3
6254	If ageing is a disease, then life is also a disease. <i>Anthropological Review</i> , 2020, 83, 307-315.	0.2	2

#	ARTICLE	IF	CITATIONS
6255	Role of Genetic Susceptibility in Nicotine Addiction and Chronic Obstructive Pulmonary Disease. <i>Revista De Investigacion Clinica</i> , 2019, 71, 36-54.	0.2	22
6256	The pathological role of adipose tissue aging in the progression of systemic insulin resistance. <i>Inflammation and Regeneration</i> , 2015, 35, 178-184.	1.5	1
6257	Glycine cleavage system determines the fate of pluripotent stem cells via the regulation of senescence and epigenetic modifications. <i>Life Science Alliance</i> , 2019, 2, e201900413.	1.3	17
6258	Profiles of histidine-rich glycoprotein associate with age and risk of all-cause mortality. <i>Life Science Alliance</i> , 2020, 3, e202000817.	1.3	9
6259	Increased DNA methylation in the suicide brain. <i>Dialogues in Clinical Neuroscience</i> , 2014, 16, 430-438.	1.8	74
6260	Epigenetics as a key link between psychosocial stress and aging: concepts, evidence, mechanisms. <i>Dialogues in Clinical Neuroscience</i> , 2019, 21, 389-396.	1.8	34
6261	Hereditary Syndromes With Signs of Premature Aging. <i>Deutsches A&#x0308;rzteblatt International</i> , 2019, 116, 489-496.	0.6	12
6262	Proteasomes in Protein Homeostasis of Pluripotent Stem Cells. <i>Acta Naturae</i> , 2017, 9, 39-47.	1.7	10
6263	Effects of rapamycin on life span and on expression of TOR and S6K in <i>Brachionus calyciflorus</i> (Rotifera). <i>Aquatic Biology</i> , 2017, 26, 49-56.	0.5	4
6264	Mitochondrial Protection Partly Mitigates Kidney Cellular Senescence in Swine Atherosclerotic Renal Artery Stenosis. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 617-632.	1.1	32
6265	A Novel <i>Caenorhabditis Elegans</i> Proteinopathy Model Shows Changes in mRNA Translational Frameshifting During Aging. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 970-983.	1.1	3
6266	Peripheral Maintenance of the Axis SIRT1-SIRT3 at Youth Level May Contribute to Brain Resilience in Middle-Aged Amateur Rugby Players. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 352.	1.7	10
6267	Aging Disrupts the Circadian Patterns of Protein Expression in the Murine Hippocampus. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 368.	1.7	25
6268	Cellular Senescence in Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 16.	1.8	164
6269	Subacute Toxicity Study of Nicotinamide Mononucleotide via Oral Administration. <i>Frontiers in Pharmacology</i> , 2020, 11, 604404.	1.6	7
6270	The Promise of a Golden Era for Exploring the Frontiers of Aging, Metabolism and Redox Biology. <i>Frontiers in Aging</i> , 0, 1, .	1.2	3
6271	Physical Activity as an Imperative Support in Breast Cancer Management. <i>Cancers</i> , 2021, 13, 55.	1.7	22
6272	Aging of Bone Marrow Mesenchymal Stromal Cells: Hematopoiesis Disturbances and Potential Role in the Development of Hematologic Cancers. <i>Cancers</i> , 2021, 13, 68.	1.7	15

#	ARTICLE	IF	CITATIONS
6273	Senescence and Longevity of Sea Urchins. <i>Genes</i> , 2020, 11, 573.	1.0	7
6274	Chromosome Instability in Fanconi Anemia: From Breaks to Phenotypic Consequences. <i>Genes</i> , 2020, 11, 1528.	1.0	43
6275	The Link Between Inflammaging and Degenerative Joint Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 614.	1.8	71
6276	Signalling Pathways Implicated in Alzheimer's Disease Neurodegeneration in Individuals with and without Down Syndrome. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6906.	1.8	14
6277	PAI-1, the Plasminogen System, and Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7066.	1.8	35
6278	The Interplay between Mitochondrial Morphology and Myomitokines in Aging Sarcopenia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 91.	1.8	45
6279	Cognitive and Neurochemical Changes Following Polyphenol-Enriched Diet in Rats. <i>Nutrients</i> , 2021, 13, 59.	1.7	6
6280	Sarcopenia and Muscle Aging: A Brief Overview. <i>Endocrinology and Metabolism</i> , 2020, 35, 716-732.	1.3	84
6281	The Effects of Brain Gym on Quality of Sleep, Anxiety in Elderly at Nursing Home Care Case Medan. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2019, 7, 2595-2598.	0.1	8
6282	The circRNA_102911/miR-129-5p/SOX6 axis is involved with T lymphocyte immune function in elderly patients with laparoscopic left hepatectomy for hepatolithiasis. <i>Experimental and Therapeutic Medicine</i> , 2020, 21, 150.	0.8	5
6283	Adjudin delays cellular senescence through Sirt3-mediated attenuation of ROS production. <i>International Journal of Molecular Medicine</i> , 2018, 42, 3522-3529.	1.8	13
6284	Age-related changes in mineralocorticoid receptors in rat hearts. <i>Molecular Medicine Reports</i> , 2020, 22, 1859-1867.	1.1	9
6285	Cellular senescence: A pathogenic mechanism of pelvic organ prolapse (Review). <i>Molecular Medicine Reports</i> , 2020, 22, 2155-2162.	1.1	22
6286	Promoter hypermethylation of cysteine dioxygenase type 1 in patients with non-small cell lung cancer. <i>Oncology Letters</i> , 2020, 20, 967-973.	0.8	2
6287	Beneficial effects of antioxidative lactic acid bacteria. <i>AIMS Microbiology</i> , 2017, 3, 1-7.	1.0	20
6288	Protein clearance mechanisms and their demise in age-related neurodegenerative diseases. <i>AIMS Molecular Science</i> , 2015, 2, 1-21.	0.3	1
6289	Cell ageing: a flourishing field for neurodegenerative diseases. <i>AIMS Molecular Science</i> , 2015, 2, 225-258.	0.3	8
6290	The disruption of proteostasis in neurodegenerative disorders. <i>AIMS Molecular Science</i> , 2015, 2, 259-293.	0.3	2

#	ARTICLE	IF	CITATIONS
6291	Oxidative stress, cellular senescence and ageing. AIMS Molecular Science, 2016, 3, 300-324.	0.3	82
6292	The Role of Growth Differentiation Factor 15 in Energy Metabolism. Diabetes and Metabolism Journal, 2020, 44, 363.	1.8	16
6293	A shape shifting organelle: unusual mitochondrial phenotype determined with three-dimensional electron microscopy reconstruction. Neural Regeneration Research, 2016, 11, 900.	1.6	18
6294	Therapeutic importance of hydrogen sulfide in age-associated neurodegenerative diseases. Neural Regeneration Research, 2020, 15, 653.	1.6	41
6295	Obesageing™: Linking obesity & ageing. Indian Journal of Medical Research, 2019, 149, 610.	0.4	18
6296	Chronic obstructive pulmonary disease and the hallmarks of aging. Lung India, 2018, 35, 321.	0.3	19
6297	Ageing and the Immune System: the Impact of Immunosenescence on Viral Infection, Immunity and Vaccine Immunogenicity. Immune Network, 2019, 19, e37.	1.6	152
6298	Age-specific variations in hematological and biochemical parameters in middle- and large-sized of dogs. Journal of Veterinary Science, 2020, 21, e7.	0.5	18
6299	Curcumin and hesperetin attenuate D-galactose-induced brain senescence <i>in vitro</i> and <i>in vivo</i> . Nutrition Research and Practice, 2020, 14, 438.	0.7	15
6300	Caenorhabditis elegans as a Toolkit for Studying Mammalian Aging Pathways. Journal of Nutrition & Food Sciences, 2016, 6, .	1.0	2
6301	Epigenetic Changes in Aging and Age-related Disease. Journal of Aging Science, 2015, 03, .	0.5	5
6302	Modulation of a Specific Pattern of microRNAs, Including miR-29a, miR-30a and miR-34a, in Cultured Human Skin Fibroblasts, in Response to the Application of a Biofunctional Ingredient that Protects against Cellular Senescence <i>in Vitro</i> . Journal of Cosmetics Dermatological Sciences and Applications, 2015, 05, 332-342.	0.1	2
6303	Saccharomyces cerevisiae as a Model to Confirm the Ability of FTIR to Evaluate the Presence of Protein Aggregates. Spectral Analysis Review, 2018, 06, 1-11.	0.2	2
6304	Enhancing survival, engraftment, and osteogenic potential of mesenchymal stem cells. World Journal of Stem Cells, 2019, 11, 748-763.	1.3	56
6305	Ageing: A cell source limiting factor in tissue engineering. World Journal of Stem Cells, 2019, 11, 787-802.	1.3	19
6306	Effect of metformin on stem cells: Molecular mechanism and clinical prospect. World Journal of Stem Cells, 2020, 12, 1455-1473.	1.3	33
6307	Promotive Effect of Polygonum multiflorum radix Ethanol Extract on Melanogenesis. Journal of Life Science, 2017, 27, 423-429.	0.2	1
6308	Emerging role of sirtuins on tumorigenesis: possible link between aging and cancer. BMB Reports, 2013, 46, 429-438.	1.1	37

#	ARTICLE	IF	CITATIONS
6309	Exploiting tumor cell senescence in anticancer therapy. <i>BMB Reports</i> , 2014, 47, 51-59.	1.1	63
6310	DNA methylation-based age prediction from various tissues and body fluids. <i>BMB Reports</i> , 2017, 50, 546-553.	1.1	61
6311	Investigating the role of Sirtuins in cell reprogramming. <i>BMB Reports</i> , 2018, 51, 500-507.	1.1	17
6312	Cellular senescence in cancer. <i>BMB Reports</i> , 2019, 52, 42-46.	1.1	32
6313	Human umbilical cord blood plasma alleviates age-related olfactory dysfunction by attenuating peripheral TNF- α expression. <i>BMB Reports</i> , 2019, 52, 259-264.	1.1	5
6314	Emerging perspectives on mitochondrial dysfunction and inflammation in Alzheimer's disease. <i>BMB Reports</i> , 2020, 53, 35-46.	1.1	44
6315	Invertebrate and vertebrate models in aging research. <i>Biomedical Papers of the Medical Faculty of the University Palacky</i> , Olomouc, Czechoslovakia, 2019, 163, 114-121.	0.2	9
6316	Aging and uremia: Is there cellular and molecular crossover?. <i>World Journal of Nephrology</i> , 2015, 4, 19.	0.8	35
6317	Autophagy, Cellular Aging and Age-related Human Diseases. <i>Experimental Neurobiology</i> , 2019, 28, 643-657.	0.7	54
6318	Why is SARS-CoV-2 infection milder among children?. <i>Clinics</i> , 2020, 75, e1947.	0.6	24
6319	Nanoparticle-based Cell Trackers for Biomedical Applications. <i>Theranostics</i> , 2020, 10, 1923-1947.	4.6	61
6320	Recurrent turnover of senescent cells during regeneration of a complex structure. <i>ELife</i> , 2015, 4, .	2.8	286
6321	Siglec receptors impact mammalian lifespan by modulating oxidative stress. <i>ELife</i> , 2015, 4, .	2.8	56
6322	Protein aggregates are associated with replicative aging without compromising protein quality control. <i>ELife</i> , 2015, 4, .	2.8	117
6323	A robust transcriptional program in newts undergoing multiple events of lens regeneration throughout their lifespan. <i>ELife</i> , 2015, 4, .	2.8	32
6324	PGAM5 promotes lasting FoxO activation after developmental mitochondrial stress and extends lifespan in <i>Drosophila</i> . <i>ELife</i> , 2017, 6, .	2.8	46
6325	Haploinsufficiency of Trp53 dramatically extends the lifespan of Sirt6-deficient mice. <i>ELife</i> , 2018, 7, .	2.8	36
6326	Mitochondria reorganization upon proliferation arrest predicts individual yeast cell fate. <i>ELife</i> , 2018, 7, .	2.8	40

#	ARTICLE	IF	CITATIONS
6327	Deficit of mitogen-activated protein kinase phosphatase 1 (DUSP1) accelerates progressive hearing loss. <i>ELife</i> , 2019, 8, .	2.8	21
6328	Glucose intake hampers PKA-regulated HSP90 chaperone activity. <i>ELife</i> , 2018, 7, .	2.8	16
6329	Endoplasmic reticulum-associated SKN-1A/Nrf1 mediates a cytoplasmic unfolded protein response and promotes longevity. <i>ELife</i> , 2019, 8, .	2.8	50
6330	Self-sperm induce resistance to the detrimental effects of sexual encounters with males in hermaphroditic nematodes. <i>ELife</i> , 2019, 8, .	2.8	20
6331	Elevating acetyl-CoA levels reduces aspects of brain aging. <i>ELife</i> , 2019, 8, .	2.8	94
6332	Proteostasis collapse, a hallmark of aging, hinders the chaperone-Start network and arrests cells in G1. <i>ELife</i> , 2019, 8, .	2.8	28
6333	DNA damage checkpoint activation impairs chromatin homeostasis and promotes mitotic catastrophe during aging. <i>ELife</i> , 2019, 8, .	2.8	22
6334	Endogenous siRNAs promote proteostasis and longevity in germline-less <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	13
6335	Rapamycin rejuvenates oral health in aging mice. <i>ELife</i> , 2020, 9, .	2.8	59
6336	Quantification of the pace of biological aging in humans through a blood test, the DunedinPoAm DNA methylation algorithm. <i>ELife</i> , 2020, 9, .	2.8	268
6337	Opposing p53 and mTOR/AKT promote an in vivo switch from apoptosis to senescence upon telomere shortening in zebrafish. <i>ELife</i> , 2020, 9, .	2.8	24
6338	Late-life restoration of mitochondrial function reverses cardiac dysfunction in old mice. <i>ELife</i> , 2020, 9, .	2.8	68
6339	Lysosome activity is modulated by multiple longevity pathways and is important for lifespan extension in <i>C. elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	97
6340	Ageing compromises mouse thymus function and remodels epithelial cell differentiation. <i>ELife</i> , 2020, 9, .	2.8	92
6341	Downregulation of the tyrosine degradation pathway extends <i>Drosophila</i> lifespan. <i>ELife</i> , 2020, 9, .	2.8	25
6342	Putting epigenetic biomarkers to the test for clinical trials. <i>ELife</i> , 2020, 9, .	2.8	21
6343	Health benefits attributed to 17 β -estradiol, a lifespan-extending compound, are mediated through estrogen receptor α . <i>ELife</i> , 2020, 9, .	2.8	30
6344	Small molecule cognitive enhancer reverses age-related memory decline in mice. <i>ELife</i> , 2020, 9, .	2.8	84

#	ARTICLE	IF	CITATIONS
6345	The effects of age and systemic metabolism on anti-tumor T cell responses. <i>ELife</i> , 2020, 9, .	2.8	34
6346	Aging and serum MCP-1 are associated with gut microbiome composition in a murine model. <i>PeerJ</i> , 2016, 4, e1854.	0.9	89
6347	Is there a link between aging and microbiome diversity in exceptional mammalian longevity?. <i>PeerJ</i> , 2018, 6, e4174.	0.9	28
6348	Comprehensive transcriptional profiling of aging porcine liver. <i>PeerJ</i> , 2019, 7, e6949.	0.9	6
6349	Tree age did not affect the leaf anatomical structure or ultrastructure of <i>Platyclusus orientalis</i> L. (Cupressaceae). <i>PeerJ</i> , 2019, 7, e7938.	0.9	4
6350	Changes in the gut microbiota during Asian particolored bat (<i>Vespertilio sinensis</i>) development. <i>PeerJ</i> , 2020, 8, e9003.	0.9	10
6351	Histone H2A Ubiquitination Resulting From Brap Loss of Function Connects Multiple Aging Hallmarks and Accelerates Neurodegeneration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
6352	Fasting and Caloric Restriction for Healthy Aging and Longevity. <i>Healthy Ageing and Longevity</i> , 2021, , 507-523.	0.2	0
6353	Current knowledge and the future potential of extracellular vesicles in mammalian reproduction. <i>Reproduction, Fertility and Development</i> , 2021, 34, 174-189.	0.1	7
6354	Role of mismatch repair in aging. <i>International Journal of Biological Sciences</i> , 2021, 17, 3923-3935.	2.6	5
6355	Structural characterization of polysaccharide purified from <i>Amanita caesarea</i> and its pharmacological basis for application in Alzheimer's disease: endoplasmic reticulum stress. <i>Food and Function</i> , 2021, 12, 11009-11023.	2.1	15
6356	Holistic Rehabilitation: Biological Embedding of Social Adversity and its Health Implications. <i>Physical Therapy</i> , 2021, , .	1.1	2
6357	Exploring Shared Effects of Multisensory Impairment, Physical Dysfunction, and Cognitive Impairment on Physical Activity: An Observational Study in a National Sample. <i>Journal of Aging and Physical Activity</i> , 2021, , 1-9.	0.5	0
6358	THE ASSOCIATION OF FAMILY SUPPORT IN FULFILLING HEALTHY NUTRITIOUS FOODS, PROTEIN AND MICRONUTRIENT INTAKE WITH HEMOGLOBIN LEVELS AMONG ELDERLY. <i>Media Gizi Indonesia</i> , 2021, 16, 215.	0.0	0
6359	Microglia in Neuroinflammation and Neurodegeneration: From Understanding to Therapy. <i>Frontiers in Neuroscience</i> , 2021, 15, 742065.	1.4	171
6360	Epigenetic Alterations in Podocytes in Diabetic Nephropathy. <i>Frontiers in Pharmacology</i> , 2021, 12, 759299.	1.6	16
6361	Hepatoprotective effects of sericin on aging-induced liver damage in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 2441-2450.	1.4	4
6362	Expression of p16 Within Myenteric Neurons of the Aged Colon: A Potential Marker of Declining Function. <i>Frontiers in Neuroscience</i> , 2021, 15, 747067.	1.4	8

#	ARTICLE	IF	CITATIONS
6363	Cellular senescence in the tumor microenvironment and context-specific cancer treatment strategies. <i>FEBS Journal</i> , 2023, 290, 1290-1302.	2.2	20
6364	Effects of age and oligoasthenozoospermia on telomeres of sperm and blood cells. <i>Reproductive BioMedicine Online</i> , 2022, 44, 1090-1100.	1.1	9
6365	Neurovascular dysfunction and neuroinflammation in a Cockayne syndrome mouse model. <i>Aging</i> , 2021, 13, 22710-22731.	1.4	5
6366	Epigenetic Clock and Circadian Rhythms in Stem Cell Aging and Rejuvenation. <i>Journal of Personalized Medicine</i> , 2021, 11, 1050.	1.1	11
6367	Targeted Therapeutics Delivery by Exploiting Biophysical Properties of Senescent Cells. <i>Advanced Functional Materials</i> , 2022, 32, 2107990.	7.8	5
6369	The Effect of Social Media Use on Depressive Symptoms in Older Adults with Self-Reported Hearing Impairment: An Empirical Study. <i>Healthcare (Switzerland)</i> , 2021, 9, 1403.	1.0	6
6370	The role of telomere dysfunction in genomic instability and age-related diseases. <i>Genome Instability & Disease</i> , 2021, 2, 292.	0.5	0
6371	Bridging the gap: A geroscience primer for neuroscientists with potential collaborative applications. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, . .	1.7	3
6372	Loss of major nutrient sensing and signaling pathways suppresses starvation lethality in electron transport chain mutants. <i>Molecular Biology of the Cell</i> , 2021, 32, ar39.	0.9	2
6373	Mitochondrial DNA copy number and heteroplasmy load correlate with skeletal muscle oxidative capacity by P31 MR spectroscopy. <i>Aging Cell</i> , 2021, 20, e13487.	3.0	8
6375	High ATP Production Fuels Cancer Drug Resistance and Metastasis: Implications for Mitochondrial ATP Depletion Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 740720.	1.3	38
6376	Associations between alcohol use and accelerated biological ageing. <i>Addiction Biology</i> , 2022, 27, e13100.	1.4	19
6377	Phenylene Bis-Diphenyltriazine (TriAsorB), a new sunfilter protecting the skin against both UVB and UVA and blue light radiations. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1475-1486.	1.6	15
6378	Simulating Metabolic Flexibility in Low Energy Expenditure Conditions Using Genome-Scale Metabolic Models. <i>Metabolites</i> , 2021, 11, 695.	1.3	1
6379	Escape of hair follicle stem cells causes stem cell exhaustion during aging. <i>Nature Aging</i> , 2021, 1, 889-903.	5.3	31
6380	Association of mitochondrial DNA copy number with cardiometabolic diseases. <i>Cell Genomics</i> , 2021, 1, 100006.	3.0	26
6381	Haematococcus pluvialis extends yeast lifespan and improves Slc25a46 gene knockout-associated mice phenotypic defects. <i>Molecular Nutrition and Food Research</i> , 2021, , 2100086.	1.5	4
6382	Derivation and Comprehensive Analysis of Aging Patterns in Patients with Bladder Cancer. <i>Disease Markers</i> , 2021, 2021, 1-19.	0.6	2

#	ARTICLE	IF	CITATIONS
6383	The Role of Big Data in Aging and Older People's Health Research: A Systematic Review and Ecological Framework. <i>Sustainability</i> , 2021, 13, 11587.	1.6	2
6384	Identification and drug-induced reversion of molecular signatures of Alzheimer's disease onset and progression in AppNL-G-F, AppNL-F, and 3xTg-AD mouse models. <i>Genome Medicine</i> , 2021, 13, 168.	3.6	7
6385	NGLY1: insights from <i>Caenorhabditis elegans</i> . <i>Journal of Biochemistry</i> , 2022, 171, 145-152.	0.9	4
6386	Rejuvenating the Aging Heart by Enhancing the Expression of the Cisd2 Prolongevity Gene. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11487.	1.8	3
6387	A Neuroscience Primer for Integrating Geroscience With the Neurobiology of Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, e19-e33.	1.7	5
6388	Senescence and Type 2 Diabetic Cardiomyopathy: How Young Can You Die of Old Age?. <i>Frontiers in Pharmacology</i> , 2021, 12, 716517.	1.6	9
6389	Shaping longevity early in life: developmental ROS and H3K4me3 set the clock. <i>Cell Cycle</i> , 2021, 20, 1-11.	1.3	1
6390	Therapeutic Potential of Mitophagy-Inducing Microflora Metabolite, Urolithin A for Alzheimer's Disease. <i>Nutrients</i> , 2021, 13, 3744.	1.7	24
6391	mTORC1 Crosstalk With Stress Granules in Aging and Age-Related Diseases. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	9
6393	Inhibition of 11 β -HSD1 Ameliorates Cognition and Molecular Detrimental Changes after Chronic Mild Stress in SAMP8 Mice. <i>Pharmaceuticals</i> , 2021, 14, 1040.	1.7	2
6394	Editorial: Dysregulated Protein Homeostasis in the Aging Organism. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 788118.	1.6	1
6395	Recurrent training rejuvenates and enhances transcriptome and methylome responses in young and older human muscle. <i>JCSM Rapid Communications</i> , 2022, 5, 10-32.	0.6	14
6396	Brain-predicted age difference is associated with cognitive processing in later-life. <i>Neurobiology of Aging</i> , 2022, 109, 195-203.	1.5	16
6397	Ageing research: rethinking primary prevention of skin cancer. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2021, 35, 2216-2218.	1.3	6
6398	The ERK-p38MAPK-STAT3 Signalling Axis Regulates iNOS Expression and Salmonella Infection in Senescent Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 744013.	1.8	6
6399	Recent advances in the discovery of senolytics. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111587.	2.2	41
6400	Modulation of fracture healing by the transient accumulation of senescent cells. <i>ELife</i> , 2021, 10, .	2.8	37
6402	Cell and Cell-Free Therapies to Counteract Human Premature and Physiological Aging: MSCs Come to Light. <i>Journal of Personalized Medicine</i> , 2021, 11, 1043.	1.1	11

#	ARTICLE	IF	CITATIONS
6404	Advances and Utility of the Human Plasma Proteome. <i>Journal of Proteome Research</i> , 2021, 20, 5241-5263.	1.8	86
6405	Dog Models of Aging. <i>Annual Review of Animal Biosciences</i> , 2022, 10, 419-439.	3.6	20
6406	Tenascin-C: Friend or Foe in Lung Aging?. <i>Frontiers in Physiology</i> , 2021, 12, 749776.	1.3	3
6407	Triple jeopardy in ageing: COVID-19, co-morbidities and inflamm-ageing. <i>Ageing Research Reviews</i> , 2022, 73, 101494.	5.0	11
6408	Impact of senescence on the transdifferentiation process of human hepatic progenitor-like cells. <i>World Journal of Stem Cells</i> , 2021, 13, 1595-1609.	1.3	2
6409	The Role of AhR in the Hallmarks of Brain Aging: Friend and Foe. <i>Cells</i> , 2021, 10, 2729.	1.8	23
6410	Cellular senescenceâ€”an aging hallmark in chronic obstructive pulmonary disease pathogenesis. <i>Respiratory Investigation</i> , 2022, 60, 33-44.	0.9	11
6411	Periodontitis and Accelerated Biological Aging: A Geroscience Approach. <i>Journal of Dental Research</i> , 2022, 101, 125-132.	2.5	42
6413	Aplysia Neurons as a Model of Alzheimerâ€™s Disease: Shared Genes and Differential Expression. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 287-302.	1.1	3
6414	MicroRNA-34a: the bad guy in age-related vascular diseases. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7355-7378.	2.4	40
6415	Mitochondrial Contributions to Hematopoietic Stem Cell Aging. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11117.	1.8	17
6416	Modulation of Telomere Length by Mediterranean Diet, Caloric Restriction, and Exercise: Results from PREDIMED-Plus Study. <i>Antioxidants</i> , 2021, 10, 1596.	2.2	12
6417	Hydrogen sulfide in ageing, longevity and disease. <i>Biochemical Journal</i> , 2021, 478, 3485-3504.	1.7	24
6419	Eugenol Elicits Prolongevity by Increasing Resistance to Oxidative Stress in <i>C. elegans</i> . <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 841-853.	0.8	2
6420	Regulation of autophagy as a therapeutic option in glioblastoma. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2021, 26, 574-599.	2.2	12
6421	Polygenic basis and biomedical consequences of telomere length variation. <i>Nature Genetics</i> , 2021, 53, 1425-1433.	9.4	145
6422	Oleuropein Protects Human Retinal Pigment Epithelium Cells from IL-1 β -Induced Inflammation by Blocking MAPK/NF- κ B Signaling Pathways. <i>Inflammation</i> , 2022, 45, 297-307.	1.7	7
6423	Effectiveness of a community-delivered pneumatic machine resistance training programme (Gym Tonic) for older adults at neighbourhood senior centres â€” a randomized controlled trial. <i>European Review of Aging and Physical Activity</i> , 2021, 18, 21.	1.3	3

#	ARTICLE	IF	CITATIONS
6424	The role of cellular senescence in cardiac disease: basic biology and clinical relevance. <i>Nature Reviews Cardiology</i> , 2022, 19, 250-264.	6.1	84
6425	Passage Number-Induced Replicative Senescence Modulates the Endothelial Cell Response to Protein-Bound Uremic Toxins. <i>Toxins</i> , 2021, 13, 738.	1.5	5
6426	Identification of early-onset photoreceptor degeneration in transgenic mouse models of Alzheimer's disease. <i>IScience</i> , 2021, 24, 103327.	1.9	11
6427	Identification of Biochemical and Molecular Markers of Early Aging in Childhood Cancer Survivors. <i>Cancers</i> , 2021, 13, 5214.	1.7	5
6428	Impact of aging on primary liver cancer: epidemiology, pathogenesis and therapeutics. <i>Aging</i> , 2021, 13, 23416-23434.	1.4	17
6429	Exposure to ionizing radiation disrupts normal epigenetic aging in Japanese medaka. <i>Aging</i> , 2021, 13, 22752-22771.	1.4	9
6430	Cells with cancer-associated mutations overtake our tissues as we age. <i>Aging and Cancer</i> , 2021, 2, 82-97.	0.5	15
6431	Transposable elements as new players in neurodegenerative diseases. <i>FEBS Letters</i> , 2021, 595, 2733-2755.	1.3	24
6432	Telomere length and urinary 8-hydroxy-2'-deoxyguanosine and essential trace element concentrations in female Japanese university students. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 1328-1334.	0.9	0
6433	Machine learning-guided, big data-enabled, biomarker-based systems pharmacology: modeling the stochasticity of natural history and disease progression. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2021, , 1.	0.8	5
6434	The cellular modifier MOAG4/SERF drives amyloid formation through charge complementation. <i>EMBO Journal</i> , 2021, 40, e107568.	3.5	15
6435	Protein clearance strategies for disease intervention. <i>Journal of Neural Transmission</i> , 2022, 129, 141-172.	1.4	15
6436	Old age and other factors associated with salivary microbiome variation. <i>BMC Oral Health</i> , 2021, 21, 490.	0.8	23
6437	Nutrition and the Hallmarks of Aging. <i>Journal of Nutrition, Health and Aging</i> , 2021, 25, 1039-1041.	1.5	7
6438	Cannabinoid Receptor 2 Alters Social Memory and Microglial Activity in an Age-Dependent Manner. <i>Molecules</i> , 2021, 26, 5984.	1.7	11
6439	NAD-Linked Metabolism and Intervention in Short Telomere Syndromes and Murine Models of Telomere Dysfunction. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	3
6440	Looking toward the future: Approaching care of the aging CF patient. <i>Pediatric Pulmonology</i> , 2022, 57, .	1.0	1
6441	Molecular modelling of the FOXO4-TP53 interaction to design senolytic peptides for the elimination of senescent cancer cells. <i>EBioMedicine</i> , 2021, 73, 103646.	2.7	21

#	ARTICLE	IF	CITATIONS
6442	Regulatory mechanism of cyclins and cyclin-dependent kinases in post-mitotic neuronal cell division. <i>Life Sciences</i> , 2021, 285, 120006.	2.0	9
6443	IL-1beta promotes the age-associated decline of beta cell function. <i>IScience</i> , 2021, 24, 103250.	1.9	10
6444	Senolytics and the compression of late-life mortality. <i>Experimental Gerontology</i> , 2021, 155, 111588.	1.2	11
6445	Strategies for late phase preclinical and early clinical trials of senolytics. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111591.	2.2	48
6446	Sex differences and effects of aerobic capacity on redox stress resilience in older men and women. <i>Advances in Redox Research</i> , 2021, 3, 100022.	0.9	0
6447	Inflammaging and Cannabinoids. <i>Ageing Research Reviews</i> , 2021, 72, 101487.	5.0	10
6448	The tumor suppression theory of aging. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111583.	2.2	8
6449	Up-Regulating Telomerase and Tumor Suppression: A Two-Step Strategy to Boost Hematopoietic Stem Cell Transplantation. <i>Journal of Stem Cell Research & Therapy</i> , 2013, s3, .	0.3	1
6450	Multifaceted aging and rapamycin. <i>Aging</i> , 2013, 5, 487-487.	1.4	4
6451	Î”Np53 and aging. <i>Aging</i> , 2013, 5, 717-718.	1.4	2
6452	Aging and Cell Aging: An Introduction. <i>SpringerBriefs in Molecular Medicine</i> , 2014, , 1-8.	0.0	0
6453	Akt modes of stem cell regulation: more then meets the eye?. <i>Discoveries</i> , 2013, 1, e8.	1.5	1
6456	DNA Replication and Telomere Shortening: Key Factors Related to the Production of C3-Aldehydes and the Interaction of One of them with DNA Guanine Residues. <i>Journal of Gerontology & Geriatric Research</i> , 2014, 03, .	0.1	0
6458	The Biology of Aging: Role in Cancer, Metabolic Dysfunction, and Health Disparities. , 2014, , 91-118.		0
6460	Sources for Inflammation and Accelerated Aging in Well Controlled HIV Patients on Antiretroviral Therapy. <i>Journal of Infectious Disease and Therapy</i> , 2015, 03, .	0.1	1
6461	Uncovering Phenotypes with Supercells: Applications to Single-Cell Sequencing. <i>Translational Bioinformatics</i> , 2015, , 11-30.	0.0	0
6462	Proteome-wide analysis of in situ aged fibroblasts. <i>Oncotarget</i> , 2015, 6, 1342-1343.	0.8	1
6463	Cutaneous Oxidative Stress and Aging. , 2015, , 1-27.		0

#	ARTICLE	IF	CITATIONS
6464	Mental Health and Aging. , 2015, , 1-6.		1
6465	Biomedical Research. , 2015, , 27-38.		0
6467	Is aging an evolved developmental program?. Healthy Aging Research, 0, , .	0.3	1
6468	Regenerative Cells in the Ageing Lung. Pancreatic Islet Biology, 2015, , 127-145.	0.1	0
6469	Age and Time in Geropsychology. , 2015, , 1-12.		0
6470	Platinum and Palladium Nanoparticles Regulate the Redox Balance and Protect Against Age-Related Skin Changes in Mice. , 2015, , 1-11.		0
6472	Neural Effects of Cognitive Intervention in Healthy Aging and Dementia. Journal of Advanced Neuroscience Research, 2015, 2, 28-35.	0.2	0
6477	Suppression of Cellular Senescence by Cordycepin in Replicative Aged Human Dermal Fibroblasts. Journal of the Society of Cosmetic Scientists of Korea, 2015, 41, 135-141.	0.2	0
6479	Contemporary Approaches to Idiopathic Pulmonary Fibrosis. , 2015, , .		0
6482	VerouderingstheorieÄ«n. Kernboek, 2016, , 9-20.	0.0	0
6485	Genomics of Lung Aging and Idiopathic Pulmonary Fibrosis. , 2016, , 389-408.		0
6487	Theorien und Mechanismen des Alterns. , 2016, , 23-108.		0
6488	Homology modeling, Molecular Dynamic Simulation and in silico screening of Activator for the Intensification of human sirtuin type 1 (SIRT1) by novel 1, 3, 4-thiadiazole derivatives-A potential antiaging approach. , 0, , .		0
6489	AusgewÄhlte altersbedingte Erkrankungen. , 2016, , 109-121.		1
6491	Renal Aging and Transplantation. , 2016, , 377-396.		0
6494	Diabetic Foot Among Elderly at Zagazig City: Risk Factors and Foot Care Practices. American Journal of Nursing Science, 2016, 5, 22.	0.3	0
6495	Decline in blood hemoglobin concentrations is associated with familial longevity. Archives of Biological Sciences, 2016, 68, 533-540.	0.2	0
6496	Biomarkers of Replicative Senescence Revisited. Healthy Ageing and Longevity, 2016, , 203-239.	0.2	0

#	ARTICLE	IF	CITATIONS
6497	Growth Hormones and Aging. <i>Endocrinology</i> , 2016, , 1-12.	0.1	0
6498	Epigenetic Significance of Chromatin Organization During Cellular Aging and Organismal Lifespan. , 2016, , 21-66.		0
6499	Age-related Senescence of Rat Bone Marrow-derived Mesenchymal Stem Cells. , 2016, , .		0
6500	The Pleiotropic Effect of Physical Exercise on Mitochondrial Dynamics in Aging Skeletal Muscle. , 2016, , 147-182.		0
6502	QUEDAS EM IDOSOS: assistĂancia de enfermagem na prevenĂĂo. <i>Connection Line - Revista EletrĂnica Do Univag</i> , 2016, .	0.0	0
6505	Platinum and Palladium Nanoparticles Regulate the Redox Balance and Protect Against Age-Related Skin Changes in Mice. , 2017, , 457-467.		0
6506	Cutaneous Oxidative Stress and Aging. , 2017, , 651-676.		0
6507	The Role of Cbx Proteins in Human Benign and Malignant Hematopoiesis. <i>Blood</i> , 2016, 128, 2651-2651.	0.6	0
6508	Age and Time in Geropsychology. , 2017, , 65-75.		0
6510	Aging and Vasoreactivity. , 2017, , 267-286.		0
6511	Human Health and Aging Over an Infinite Time Horizon. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
6512	Chronic Kidney Disease and Idiopathic Pulmonary Fibrosis: Thinking Outside the Box in Disease Management and Prognostication. <i>Respiration</i> , 2017, 94, 334-335.	1.2	1
6513	Biologische Grundlagen des Alterns und dessen Relevanz fĂr die LebensqualitĂt. , 2017, , 3-13.		0
6514	Metabolic Syndrome in Aging Heart: Molecular Insights. <i>Journal of Metabolic Syndrome</i> , 2017, 06, .	0.1	0
6519	Can we rejuvenate? Implications of biological aging research. <i>Yeungnam University Journal of Medicine</i> , 2017, 34, 1-10.	0.7	0
6520	Cryopreserved Placental Explants Increase Lifespan of Male Mice and Change Survival Features of Female Mice. <i>Problems of Cryobiology and Cryomedicine</i> , 2017, 27, 143-150.	0.3	3
6523	Measuring Immunological Age: From T cell Repertoires to Populations. , 2018, , 1-60.		0
6524	T-reg Homeostasis and Functions in Ageing. , 2018, , 1-22.		1

#	ARTICLE	IF	CITATIONS
6527	Grundlagen der Biogerontologie. , 2018, , 105-135.		0
6528	Age-Related Changes in Immune Regulation by Noncoding RNAs. , 2018, , 1-18.		0
6529	Noncoding RNA and Epigenetic Change in Hematopoietic Stem Cell Aging. , 2018, , 1-29.		0
6537	Medicine in Older Patients: Evidence Based?. , 2018, , 291-297.		0
6538	Zytokin-induzierte Seneszenz: eine experimentelle Therapie peritonealer Tumoren. , 2018, , 143-148.		0
6539	Overview of Older People, Ageing and Diabetes, the Disease. , 2018, , 1-28.		1
6540	Respiratory Organ Aging and Cancer. , 2018, , 1-30.		0
6541	Theories of Individual Ageing. , 2018, , 71-108.		0
6542	Anti-aging of the Skin. Oleoscience, 2018, 18, 121-129.	0.0	0
6543	Aging Process Immunity and Its Relation with Periodontal Disease in Genetic Aspect. , 2018, , .		0
6545	Growth Hormones and Aging. Endocrinology, 2018, , 691-702.	0.1	0
6547	Epigenetics and Aging. , 2018, , 1-21.		0
6548	Mitochondrial Function and Neurodegenerative Diseases. , 2018, , 369-414.		1
6549	Drug Synergy Slows Ageing and Improves Health Span through TGFF and SREBP Lipid Signaling. SSRN Electronic Journal, 0, , .	0.4	0
6552	Musculoskeletal Aging, Sarcopenia, and Cancer. , 2018, , 1-18.		0
6555	On the relationship between aging & cancer. MOJ Gerontology & Geriatrics, 2018, 3, .	0.1	0
6557	Yaşlanmanın Mitokondriyal Bütünlüğün Denetlenmesi. Adıyaman Üniversitesi Sağlık Bilimleri Dergisi, 2018, 4, 680-705.	0.3	0
6563	Monocytes in Aging and Exercise. Exercise Medicine, 0, 2, 15.	0.0	0

#	ARTICLE	IF	CITATIONS
6567	Senescence. , 2019, , 1-14.		0
6577	Population Genetics: Summary and Synthesis. , 2018, , 256-268.		0
6583	Migration, Gene Flow and Differentiation of Populations. , 2018, , 183-201.		0
6586	Genetic Drift and Effective Population Size. , 2018, , 156-172.		1
6594	Mechanisms of Fibrosis in IPF. Respiratory Medicine, 2019, , 133-182.	0.1	0
6596	SIN-3 as a key determinant of lifespan and its sex dependent differential role on healthspan in <i>Caenorhabditis elegans</i> . Aging, 2018, 10, 3910-3937.	1.4	5
6598	Perspectives for the use of resveratrol for the treatment of diabetes mellitus and its complications. <i>MÄ-Ä¼narodnj EndokrinologÄ-Änij Ä½urnal</i> , 2018, 14, 761-768.	0.1	1
6599	Neurological Aging and Cancer. , 2019, , 1-17.		0
6600	Activity limitation and participation restriction in veterans of Indian Armed Forces: A cross-sectional study. Indian Journal of Community and Family Medicine, 2019, 5, 129.	0.0	0
6601	Aging, geroproteÑtors, gene therapy. Regional Ecology, 2019, 56, 109.	0.1	1
6602	Oxidatively Modified Proteins and Maintenance Systems as Biomarkers of Aging. Healthy Ageing and Longevity, 2019, , 101-120.	0.2	0
6603	Molecular and Epigenetic Clocks of Aging. , 2019, , 1-6.		0
6604	Immunological Theory of Aging. , 2019, , 1-10.		1
6605	Werner Syndrome. , 2019, , 1-10.		1
6606	Strategies for Engineered Negligible Senescence. , 2019, , 1-6.		0
6607	Are There Reliable Biomarkers for Immunosenescence and Inflammaging?. Healthy Ageing and Longevity, 2019, , 231-251.	0.2	2
6609	Growth Hormone and Mammalian Aging. , 2019, , 171-171.		0
6610	Dykeratosis Congenita. , 2019, , 1-12.		0

#	ARTICLE	IF	CITATIONS
6611	Aging of Cells In Vitro. , 2019, , .		0
6612	Ä„lter werden. , 2019, , 47-61.		0
6613	Epidermal Stem Cells and Dermalâ€“Epidermal Junction. Comprehensive Series in Photochemical and Photobiological Sciences, 2019, , 167-194.	0.3	1
6614	Aging and Cardiovascular Diseases: The Role of Cellular Senescence. , 2019, , 207-233.		1
6615	Natural Killer Cells and Alzheimerâ€™s Disease. , 2019, , 2319-2335.		0
6616	Noncoding RNA and Epigenetic Change in Hematopoietic Stem Cell Aging. , 2019, , 1011-1038.		0
6617	Aging in the Nematode Caenorhabditis elegans. , 2019, , 88-88.		1
6618	Embryonic Stem Cell Differentiation and Pluripotent Stem Cell Niche Modelâ€“Differentiation of Embryonic Stem Cells in Animal Meridian System. Traditional Chinese Medicine, 2019, 08, 98-105.	0.1	4
6619	Molecular and Epigenetic Clocks of Aging. , 2019, , 1-6.		0
6620	CARTILAGE AGEING AND TREATMENT POSSIBILITIES. WiadomoÅci Lekarskie, 2019, 72, 1671-1675.	0.1	0
6622	Systems-Based Mechanisms of Aging. , 2019, , 332-332.		0
6623	Stem Cells Aging. , 2019, , 1-8.		0
6624	Oxidation Damage Accumulation Aging Theory (The Novel Role of Glutathione). , 2019, , 1-9.		1
6625	Age-Related Changes in Immune Regulation by Noncoding RNAs. , 2019, , 1241-1258.		0
6627	Results-II. Haploinsufficiency of p53 Rescues Lifespan and Premature Aging-Associated Abnormalities in Sirt6-Deficient Mice. Springer Theses, 2019, , 97-126.	0.0	0
6629	Biology of Frailty. , 2019, , 1-5.		0
6630	Aging Lung. , 2019, , 114-114.		0
6633	Chance Events in Aging. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
6634	Genetics: Gene Expression. , 2019, , 1-6.		0
6635	Molecular Signature of Aging Driven by Wnt Signaling Pathway: Lessons from Nematodes. Healthy Ageing and Longevity, 2019, , 373-398.	0.2	0
6636	Measuring Immunological Age: From T Cell Repertoires to Populations. , 2019, , 63-124.		0
6637	iPSCs-Induced Cellular Reprogramming. , 2019, , .		1
6638	Lymphohematopoietic Stem Cells and Their Aging. , 2019, , 995-1009.		0
6640	Myocardial Oxidative Stress and Metabolic Diseases. , 2019, , 81-105.		0
6642	Telomere length and cardiovascular diseases. Complex Issues of Cardiovascular Diseases, 2019, 7, 101-107.	0.3	2
6645	Aging well with Norad. ELife, 2019, 8, .	2.8	6
6647	Role and Perspective of Sport Science in Health Promotion and Elite Sport. The Asian Journal of Kinesiology, 2019, 21, 31-39.	0.1	1
6663	Analysis of the role of tryptophan-kynurenine pathway in the life span control in Drosophila melanogaster. Faktori Eksperimental Noi Evolucii Organizmiv, 0, 25, 32-37.	0.0	1
6666	In silico clinical trials for anti-aging therapies. Aging, 2019, 11, 6591-6601.	1.4	3
6673	Investigating Association of Human-Specific Derived Alleles of CD33 and Other Genes with Lifespan of Iranians. Medical Laboratory Journal, 2019, 13, 19-25.	0.1	0
6678	Genomics of Aging and Longevity. , 2020, , 1-11.		0
6680	Environmental and Occupational agents and Cancer Drug-Induced Oxidative Stress in Pulmonary Fibrosis. , 2020, , 271-293.		0
6681	Comorbid Metabolic Disorders in Chronic Lung Diseases. Infusion & Chemotherapy, 2019, , 5-15.	0.0	0
6685	Genome Instability. , 2020, , 1-7.		0
6689	Neurological Aging and Cancer. , 2020, , 287-303.		0
6690	Factors and Agents that Modify the Composition and Functions of Symbiotic Microbiota; Diagnostic Methods for Microecological Imbalance and its Consequences. , 2020, , 23-25.		0

#	ARTICLE	IF	CITATIONS
6691	The Role of Chronic Kidney Disease in Ectopic Calcification. <i>Contemporary Cardiology</i> , 2020, , 137-166.	0.0	0
6692	Older Women and Health Inequality. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 1-10.	0.0	0
6693	Age-Related Changes of Procollagen Alpha Polypeptide in Vascular Remodeling in Rat Vascular Smooth Muscle Cell. <i>Journal of Biosciences and Medicines</i> , 2020, 08, 20-31.	0.1	0
6699	Towards restoring proper chromosome segregation and preventing ageing. <i>EMBO Reports</i> , 2020, 21, e50322.	2.0	4
6700	Aging, Cerebrovascular Burden, and Cognitive Decline. , 0, , .		1
6703	El papel del envejecimiento en el desarrollo de enfermedades cardiovasculares asociadas a patologías renales. <i>Revista De Investigación Y Educación En Ciencias De La Salud (RIECS)</i> , 2020, 5, 106-120.	0.0	0
6709	The Pivotal Role of Senescence in Cell Death and Aging: Where Do We Stand?. <i>Current Molecular Biology Reports</i> , 2020, 6, 91-101.	0.8	0
6713	Ageing, <i>Drosophila melanogaster</i> and Epigenetics. <i>The Malaysian Journal of Medical Sciences</i> , 2020, 27, 7-19.	0.3	5
6716	Antioxidant Effects of Tomato Juice on Reducing Serum Malondialdehyde Levels in Menopausal Rats. <i>Pakistan Journal of Nutrition</i> , 2020, 19, 362-366.	0.2	0
6717	Are Medicare wellness visits improving outcomes?. <i>Journal of the American Association of Nurse Practitioners</i> , 2021, 33, 591-601.	0.5	1
6719	Dysosteogenesis in the Mandibular Bone of SAMP1/Klotho-Deficient Mice. <i>The Korean Journal of Oral and Maxillofacial Pathology</i> , 2020, 44, 103-112.	0.0	0
6720	The information theory of aging. <i>Health Science Inquiry</i> , 2020, 11, 148-154.	0.1	3
6728	Hematological Conditions. , 2020, , 405-430.		0
6730	Autophagy and Aging: Roles in Skeletal Muscle, Eye, Brain and Hepatic Tissue. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 752962.	1.8	11
6731	Effects of aging on protein expression in mice brain microvessels: ROS scavengers, mRNA/protein stability, glycolytic enzymes, mitochondrial complexes, and basement membrane components. <i>GeroScience</i> , 2022, 44, 371-388.	2.1	13
6732	New insights into the pathogenesis of giant cell arteritis: are they relevant for precision medicine?. <i>Lancet Rheumatology</i> , The, 2021, 3, e874-e885.	2.2	8
6733	Identification of long-lived proteins in the mitochondria reveals increased stability of the electron transport chain. <i>Developmental Cell</i> , 2021, 56, 2952-2965.e9.	3.1	27
6734	Cytoplasmic DNA: sources, sensing, and role in aging and disease. <i>Cell</i> , 2021, 184, 5506-5526.	13.5	95

#	ARTICLE	IF	CITATIONS
6736	Regulation of NAD ⁺ metabolism in aging and disease. <i>Metabolism: Clinical and Experimental</i> , 2022, 126, 154923.	1.5	40
6737	Clinical Study of Mesenchymal Stem/Stromal Cell Therapy for the Treatment of Frailty: A Proposed Experimental Design for Therapeutic and Mechanistic Investigation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1287-1291.	1.7	3
6738	Exercising <i>D. melanogaster</i> Modulates the Mitochondrial Proteome and Physiology. The Effect on Lifespan Depends upon Age and Sex. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11606.	1.8	0
6739	Predicting physiological aging rates from a range of quantitative traits using machine learning. <i>Aging</i> , 2021, 13, 23471-23516.	1.4	6
6740	Maintenance of genome sequence integrity in long- and short-lived rodent species. <i>Science Advances</i> , 2021, 7, eabj3284.	4.7	29
6741	Sirtuin 3 (SIRT3) Pathways in Age-Related Cardiovascular and Neurodegenerative Diseases. <i>Biomedicines</i> , 2021, 9, 1574.	1.4	13
6742	Transcriptome Analysis of Testicular Aging in Mice. <i>Cells</i> , 2021, 10, 2895.	1.8	16
6743	From Immune Dysregulations to Therapeutic Perspectives in Myelodysplastic Syndromes: A Review. <i>Diagnostics</i> , 2021, 11, 1982.	1.3	6
6744	Metabolism in the Midwest: research from the Midwest Aging Consortium at the 49th Annual Meeting of the American Aging Association. <i>GeroScience</i> , 2022, 44, 39-52.	2.1	2
6747	Proteostasis regulated by testis-specific ribosomal protein RPL39L maintains mouse spermatogenesis. <i>IScience</i> , 2021, 24, 103396.	1.9	14
6748	Curcumin Acetylsalicylate Extends the Lifespan of <i>Caenorhabditis elegans</i> . <i>Molecules</i> , 2021, 26, 6609.	1.7	16
6749	DNA methylation as a tool to explore ageing in wild roe deer populations. <i>Molecular Ecology Resources</i> , 2022, 22, 1002-1015.	2.2	19
6750	The Many Roles Mitochondria Play in Mammalian Aging. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 824-843.	2.5	5
6751	The Role of Immune Cells in Oxi-Inflamm-Aging. <i>Cells</i> , 2021, 10, 2974.	1.8	46
6752	Effects of polyphenols in aging and neurodegeneration associated with oxidative stress. <i>Current Medicinal Chemistry</i> , 2021, 28, .	1.2	12
6753	Isolation and characterization of neural stem/progenitor cells in the subventricular zone of the naked mole-rat brain. <i>Inflammation and Regeneration</i> , 2021, 41, 31.	1.5	6
6754	A toolkit for quantification of biological age from blood chemistry and organ function test data: BioAge. <i>GeroScience</i> , 2021, 43, 2795-2808.	2.1	58
6755	The Molecular Mechanism of Antioxidation of Huolisu Oral Liquid Based on Serum Analysis and Network Analysis. <i>Frontiers in Pharmacology</i> , 2021, 12, 710976.	1.6	14

#	ARTICLE	IF	CITATIONS
6756	MicroRNA 132-3p Is Upregulated in Laron Syndrome Patients and Controls Longevity Gene Expression. International Journal of Molecular Sciences, 2021, 22, 11861.	1.8	1
6757	Male Age and Andropause. , 2020, , 469-477.		0
6760	Attaining Epigenetic Rejuvenation: Challenges Ahead. , 2020, , 159-179.		0
6761	Coenzyme Q and Aging in the Fruit Fly Drosophila melanogaster. , 2020, , 141-155.		0
6762	Nutrigenomics Approaches to Control Metabolic Diseases and Challenges to Personalized Nutritional Intervention. , 2020, , 287-332.		0
6763	Health and Pro-Longevity Interventions. Healthy Ageing and Longevity, 2020, , 473-495.	0.2	1
6764	Podiatric Management of the Elderly. , 2020, , 282-297.		0
6765	Hahnemann's concept of similitum under the light of paradoxical pharmacology of modern pharmacodynamics; the science behind homeopathy. Revue D'Homeopathie, 2020, 11, 221-227.	0.1	0
6766	Epigenetic Aging and Colorectal Cancer: State of the Art and Perspectives for Future Research. International Journal of Molecular Sciences, 2021, 22, 200.	1.8	5
6767	Mitochondrial Secrets of Youthfulness. Plastic and Reconstructive Surgery, 2021, 147, 33S-37S.	0.7	4
6769	Intimate partner violence and lower relationship quality are associated with faster biological aging.. Psychology and Aging, 2020, 35, 1127-1139.	1.4	3
6772	From gerontology to geroscience: a synopsis on ageing. Anthropological Review, 2020, 83, 419-437.	0.2	1
6773	Signature changes in the expressions of protein-coding genes, lncRNAs, and repeat elements in early and late cellular senescence. Turkish Journal of Biology, 2020, 44, 356-370.	2.1	5
6775	Geroscience. , 2021, , 1-7.		0
6776	Dihydromyricetin promotes longevity and activates the transcription factors FOXO and AOP in Drosophila. Aging, 2021, 13, 460-476.	1.4	15
6777	Reduced adenosine diphosphate sensitivity in skeletal muscle mitochondria increases reactive oxygen species production in mouse models of aging and oxidative stress but not denervation. JCSM Rapid Communications, 2021, 4, 75-89.	0.6	9
6778	Dietary and environmental factors have opposite AhR-dependent effects on C. elegans healthspan. Aging, 2021, 13, 104-133.	1.4	12
6779	Therapeutic effects and perspective of stem cell extracellular vesicles in aging and cancer. Journal of Cellular Physiology, 2021, 236, 4783-4796.	2.0	5

#	ARTICLE	IF	CITATIONS
6780	Prospects Of Using Resveratrol For Cognitive Impairment Correction In Patients With Type II Diabetes Mellitus. Russian Open Medical Journal, 2020, 9, .	0.1	0
6781	Mendelian randomization study of telomere length and bone mineral density. Aging, 2021, 13, 2015-2030.	1.4	9
6782	Lifetime bioaccumulation of silver nanoparticles accelerates functional aging by inactivating antioxidant pathways, an effect reversed by pterostilbene. Environmental Science: Nano, 0, , .	2.2	3
6783	WNT Signalling in Lung Physiology and Pathology. Handbook of Experimental Pharmacology, 2021, 269, 305-336.	0.9	10
6784	Concurrent Evolution of Antiaging Gene Duplications and Cellular Phenotypes in Long-Lived Turtles. Genome Biology and Evolution, 2021, 13, .	1.1	6
6785	Antigen processing and presentation through MHC molecules. , 2022, , 63-80.		0
6786	Biomarkers and omics of health effects associated with traffic-related air pollution. , 2020, , 281-309.		0
6787	SEARCHING FOR THE HOLY GRAIL WILL NEED BIOMARKERS. journal of prevention of Alzheimer's disease, The, 2020, 7, 1-3.	1.5	3
6788	Musculoskeletal Aging, Sarcopenia, and Cancer. , 2020, , 269-285.		0
6789	Histological and Immunohistochemical Study of Selenium Regenerative Effect on Submandibular and Sublingual Glands of Aging Rats. Egyptian Dental Journal, 2019, 65, 3413-3426.	0.1	2
6790	Manifestations of allostatic load in residents of radiation contaminated areas aged 18â€“24 years. Regulatory Mechanisms in Biosystems, 2020, 10, 422-431.	0.5	1
6792	Mechanisms by which PE21, an extract from the white willow Salix alba, delays chronological aging in budding yeast. Oncotarget, 2019, 10, 5780-5816.	0.8	2
6793	Embrace the fat when getting old. Aging, 2019, 11, 8730-8732.	1.4	3
6794	Hepatic regeneration in aging: Cell type plasticity and redundancies. Advances in Stem Cells and Their Niches, 2020, , 127-171.	0.1	1
6795	The Aging of Skeletal Muscle and Potential Therapeutic Effects of Extracts from Edible and Inedible Plants. Reviews in Agricultural Science, 2020, 8, 70-88.	0.9	3
6796	Mesenchymal Stem Cell Aging in the Bone Marrow. , 2020, , 35-42.		0
6797	Accelerated brain molecular aging in depression. , 2020, , 87-92.		0
6798	Senolytics Target Senescent Cells and Improve Aging and Age-Related Diseases. Healthy Ageing and Longevity, 2020, , 63-84.	0.2	0

#	ARTICLE	IF	CITATIONS
6799	Respiratory Organ Aging and Cancer. , 2020, , 215-244.		0
6800	Age-Related Diseases. , 2020, , 27-51.		2
6801	RNA and aging. , 2020, , 349-370.		0
6803	Senolysis and Senostasis Through the Plasma Membrane. Healthy Ageing and Longevity, 2020, , 131-143.	0.2	1
6804	Frailty prevalence and agreement between assessment tools in elderly patients of Western India. Journal of the Indian Academy of Geriatrics, 2020, 16, 116.	0.0	0
6805	Epidemiology, Aging, and Cancer. , 2020, , 1-9.		0
6806	May Technology Support Aging? Diverse Usersâ€™ Opinions on Aging and Use of Health-Supporting Technology. Communications in Computer and Information Science, 2020, , 16-40.	0.4	0
6807	Can Autophagy Stop the Clock: Unravelling the Mystery in Dictyostelium discoideum. , 2020, , 235-258.		0
6808	An NAD ⁺ dependent/sensitive transcription system: Toward a novel anti-cancer therapy. AIMS Molecular Science, 2020, 7, 12-28.	0.3	3
6809	De biologie van veroudering. , 2020, , 11-16.		0
6810	Molecular Basis of Progeroid Diseases. , 2020, , 187-211.		0
6813	Translation and Post-translational Modifications in Protein Biosynthesis. Biological and Medical Physics Series, 2020, , 595-665.	0.3	1
6814	Dietary Fiber and Aging. , 2020, , 111-145.		2
6815	New Directions for Use of Systemic Drug Delivery in Anti-aging Medicine. Healthy Ageing and Longevity, 2020, , 495-511.	0.2	0
6816	Cardiovascular Calcification in Hutchinson-Gilford Progeria and Correlation with Age-Related Degenerative Calcification. Contemporary Cardiology, 2020, , 235-245.	0.0	0
6817	Multimorbidity in Aging. , 2020, , 1-7.		0
6819	Mitochondrial Function in Aging. , 2020, , 65-85.		0
6820	Somatic Cell Nuclear Transfer. , 2020, , 1-7.		0

#	ARTICLE	IF	CITATIONS
6821	Mediterranean Diet for Active and Healthy Aging. , 2020, , 239-264.		0
6822	Heart-derived cells for therapeutics. , 2020, , 217-243.		0
6823	What Is a Healthy Microbiome?. Healthy Ageing and Longevity, 2020, , 221-241.	0.2	0
6824	Biological Health and Homeodynamic Space. Healthy Ageing and Longevity, 2020, , 43-51.	0.2	2
6826	Passport and biological age in the choice of metabolic geroprophylactic therapy. BIO Web of Conferences, 2020, 22, 01008.	0.1	0
6827	Low-abundance mutations in colorectal cancer patients and healthy adults. Aging, 2020, 12, 808-824.	1.4	1
6828	OncoAge. , 2020, , 1-4.		0
6830	Dietary Polyphenols for Active and Healthy Ageing. , 2020, , 147-166.		1
6831	Understanding Health from an Evolutionary Perspective. Healthy Ageing and Longevity, 2020, , 3-11.	0.2	0
6832	ROS-Induced DNA Damage as an Underlying Cause of Aging. Advances in Geriatric Medicine and Research, 2020, , .	0.6	2
6835	Influence of age on real-life effects of doxycycline for acute exacerbations among COPD outpatients: a population-based cohort study. BMJ Open Respiratory Research, 2020, 7, e000535.	1.2	3
6837	Vieillessement de lâ€™occlusion dentaire. Revue D'orthopedie Dento-faciale, 2020, 54, 57-71.	0.0	1
6838	Intermittent fasting in athletes: PROs and CONS. Health Sports & Rehabilitation Medicine, 2020, 21, 52-58.	0.0	1
6840	Effects of anti-aging interventions on intestinal microbiota. Gut Microbes, 2021, 13, 1994835.	4.3	32
6841	Anti-aging effects of the fermented anthocyanin extracts of purple sweet potato on <i>Caenorhabditis elegans</i> . Food and Function, 2021, 12, 12647-12658.	2.1	13
6843	Endokrynologiya, 2021, 12, 12647-12658.		
6844	Comparative functional genomic analysis of Alzheimerâ€™s affected and naturally aging brains. PeerJ, 2020, 8, e8682.	0.9	3
6847	Supraphysiological protection from replication stress does not extend mammalian lifespan. Aging, 2020, 12, 5612-5624.	1.4	0

#	ARTICLE	IF	CITATIONS
6849	Searching for carbonylome biomarkers of aging – development and validation of the proteomic method for quantification of carbonylated protein in human plasma. Croatian Medical Journal, 2020, 61, 119-125.	0.2	1
6850	Dysfunction and toxicity of damaged proteins in the etiology of aging and age-related degenerative and malignant diseases. Croatian Medical Journal, 2020, 61, 159-166.	0.2	1
6853	The 50 Most Highly Cited Reviews of 2013–2017. Scientific and Technical Information Processing, 2021, 48, 168-184.	0.3	2
6854	Role of senescence in the chronic health consequences of COVID-19. Translational Research, 2022, 241, 96-108.	2.2	25
6855	Identification of Genetic Signature Associated With Aging in Pulmonary Fibrosis. Frontiers in Medicine, 2021, 8, 744239.	1.2	4
6856	Neural oscillatory activity serving sensorimotor control is predicted by superoxide-sensitive mitochondrial redox environments. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
6857	Can we make drug discovery targeting fundamental mechanisms of aging a reality?. Expert Opinion on Drug Discovery, 2022, 17, 97-100.	2.5	6
6858	An Aging-Related Gene Signature-Based Model for Risk Stratification and Prognosis Prediction in Breast Cancer. International Journal of Women's Health, 2021, Volume 13, 1053-1064.	1.1	7
6859	Nicotinamide Prevents UVB- and Oxidative Stress-Induced Photoaging in Human Primary Keratinocytes. Journal of Investigative Dermatology, 2022, 142, 1670-1681.e12.	0.3	16
6861	Evaluating the beneficial effects of dietary restrictions: A framework for precision nutrigenetics. Cell Metabolism, 2021, 33, 2142-2173.	7.2	27
6862	Human iPSC-Derived Neurons as A Platform for Deciphering the Mechanisms behind Brain Aging. Biomedicines, 2021, 9, 1635.	1.4	5
6863	Integrin α 3 Induction Promotes Tubular Cell Senescence and Kidney Fibrosis. Frontiers in Cell and Developmental Biology, 2021, 9, 733831.	1.8	11
6864	Is Myelodysplasia a Consequence of Normal Aging?. Current Oncology Reports, 2021, 23, 142.	1.8	5
6865	Mitochondrial interactions alter sex-specific longevity in a species without sex chromosomes. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211813.	1.2	8
6866	DNA Methylation in Genetic and Sporadic Forms of Neurodegeneration: Lessons from Alzheimer's, Related Tauopathies and Genetic Tauopathies. Cells, 2021, 10, 3064.	1.8	12
6867	Extracellular Vesicles: Footprints of environmental exposures in the aging process?. Current Environmental Health Reports, 2021, 8, 309-322.	3.2	5
6868	Complement Factor H-Related 3 Enhanced Inflammation and Complement Activation in Human RPE Cells. Frontiers in Immunology, 2021, 12, 769242.	2.2	15
6869	Coenzyme Q at the Hinge of Health and Metabolic Diseases. Antioxidants, 2021, 10, 1785.	2.2	8

#	ARTICLE	IF	CITATIONS
6870	Hydropinotherapy with Sulphurous Mineral Water as Complementary Treatment to Improve Glucose Metabolism, Oxidative Status, and Quality of Life. <i>Antioxidants</i> , 2021, 10, 1773.	2.2	14
6871	Novel small molecule inhibition of IKK/NF- κ B activation reduces markers of senescence and improves healthspan in mouse models of aging. <i>Aging Cell</i> , 2021, 20, e13486.	3.0	24
6872	Fasting Concentrations and Postprandial Response of 1,2-Dicarbonyl Compounds 3-Deoxyglucosone, Glyoxal, and Methylglyoxal Are Not Increased in Healthy Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 934-940.	1.7	3
6873	Cell Culture Media "Goes Green" by Reducing Cold Storage Needs. <i>Genetic Engineering and Biotechnology News</i> , 2020, 40, 53-55.	0.1	0
6880	Inhibitors of DNA methylation support TGF- β 1-induced <i>IL11</i> expression in gingival fibroblasts. <i>Journal of Periodontal and Implant Science</i> , 2017, 47, 66.	0.9	1
6884	Suffocating Deathism: We Have Given It the Oxygen of Publicity for Long Enough. <i>Rejuvenation Research</i> , 2020, 23, 365-366.	0.9	0
6894	Brain is an endocrine organ through secretion and nuclear transfer of parathymsin. <i>Life Science Alliance</i> , 2020, 3, e202000917.	1.3	8
6895	A Biological Age Model Designed for Health Promotion Interventions: Protocol for an Interdisciplinary Study for Model Development. <i>JMIR Research Protocols</i> , 2020, 9, e19209.	0.5	6
6896	Curcumin has Protective Effects on ROS Production and Redox Imbalance in an Experimental Oxidative-Stressed Model of Rat. <i>Journal of Biologically Active Products From Nature</i> , 2020, 10, 484-494.	0.1	2
6897	Vegetarian diets, circulating miRNA expression and healthspan in subjects living in the Blue Zone. <i>Precision Clinical Medicine</i> , 2020, 3, 245-259.	1.3	12
6906	Key Molecular Mechanisms of Aging, Biomarkers, and Potential Interventions. <i>Molecular Biology</i> , 2020, 54, 777-811.	0.4	13
6907	Aging-related changes in the gene expression profile of human lungs. <i>Aging</i> , 2020, 12, 21391-21403.	1.4	6
6908	Redox theory in progeria. <i>Aging</i> , 2020, 12, 20934-20935.	1.4	1
6909	EPIGENETICS AND AGING. , 2020, , 1-3.		0
6910	Mineral Deficiencies a Root Cause for Reduced Longevity in Mammals. , 0, , .		0
6911	Influence of Probiotics Over AMPK-Dependent Health Activity: A Look into Its Molecular Mechanisms. <i>Microorganisms for Sustainability</i> , 2021, , 213-223.	0.4	0
6912	Normal ageing of the brain: Histological and biological aspects. <i>Revue Neurologique</i> , 2020, 176, 649-660.	0.6	11
6913	Aging Liver: Can Exercise be a Better Way to Delay the Process than Nutritional and Pharmacological Intervention? Focus on Lipid Metabolism. <i>Current Pharmaceutical Design</i> , 2020, 26, 4982-4991.	0.9	2

#	ARTICLE	IF	CITATIONS
6914	Metabolic Regulation and Related Molecular Mechanisms in Various Stem Cell Functions. <i>Current Stem Cell Research and Therapy</i> , 2020, 15, 531-546.	0.6	2
6917	How old is "too old" for translational research?. <i>Translational Lung Cancer Research</i> , 2014, 3, 116-9.	1.3	2
6918	Understanding leukemic hematopoiesis as a complex adaptive system. <i>World Journal of Stem Cells</i> , 2015, 7, 1145-9.	1.3	1
6919	Perspective: Neuroregenerative Nutrition. <i>Advances in Nutrition</i> , 2017, 8, 546-557.	2.9	5
6920	The Role of Aging in the Development of Osteoarthritis. <i>Transactions of the American Clinical and Climatological Association</i> , 2017, 128, 44-54.	0.9	60
6921	Proteasomes in Protein Homeostasis of Pluripotent Stem Cells. <i>Acta Naturae</i> , 2017, 9, 39-47.	1.7	3
6922	What are the characteristics of vitamin D metabolism in opioid dependence? An exploratory longitudinal study in Australian primary care. <i>BMJ Open</i> , 2018, 8, e016806.	0.8	0
6923	Aging and the KrÄppel-like factors. <i>Trends in Cell & Molecular Biology</i> , 2017, 12, 1-15.	0.5	7
6924	Comparative Study of Serum Lipid Profiles in Nepalese Cancer Patients Attending a Tertiary Care Hospital. <i>Asian Pacific Journal of Cancer Prevention</i> , 2018, 19, 491-495.	0.5	4
6925	Negative Conditioning of Mitochondrial Dysfunction in Age-related Neurodegenerative Diseases. <i>Conditioning Medicine</i> , 2019, 2, 30-39.	1.3	7
6926	Natural Products in the Promotion of Healthspan and Longevity. <i>Clinical Pharmacology and Translational Medicine</i> , 2019, 3, 149-151.	0.3	1
6927	Cell senescence altered the miRNA expression profile in porcine angular aqueous plexus cells. <i>Molecular Vision</i> , 2020, 26, 76-90.	1.1	0
6928	Transcriptome-wide piRNA profiling in human brains for aging genetic factors. <i>Jacobs Journal of Genetics</i> , 2019, 4, .	0.0	4
6929	Deletion of p16 prevents estrogen deficiency-induced osteoporosis by inhibiting oxidative stress and osteocyte senescence. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 672-683.	0.0	5
6930	The Science Behind NMN-A Stable, Reliable NAD+Activator and Anti-Aging Molecule. <i>Integrative Medicine</i> , 2020, 19, 12-14.	0.1	1
6931	ENERGY SENSING PATHWAYS IN AGING AND CHRONIC LUNG DISEASE. <i>Transactions of the American Clinical and Climatological Association</i> , 2020, 131, 286-293.	0.9	1
6932	Regulation of the mitochondrial permeability transition pore and its effects on aging. <i>Microbial Cell</i> , 2020, 7, 222-233.	1.4	0
6933	Impact of Ovarian Aging in Reproduction: From Telomeres and Mice Models to Ovarian Rejuvenation. <i>Yale Journal of Biology and Medicine</i> , 2020, 93, 561-569.	0.2	7

#	ARTICLE	IF	CITATIONS
6934	Effect of rs13181 and rs1799793 polymorphisms and environmental factors on the prognosis of patients with lung cancer. American Journal of Translational Research (discontinued), 2020, 12, 6941-6953.	0.0	3
6935	The price of longevity. Aging, 2020, 12, 22350-22351.	1.4	0
6936	Deubiquitinase USP7 regulates aging through ubiquitination and autophagy. Aging, 2020, 12, 23082-23095.	1.4	1
6937	GATA6 regulates aging of human mesenchymal stem/stromal cells. Stem Cells, 2021, 39, 62-77.	1.4	2
6938	Idiopathic pulmonary fibrosis and occupational risk factors. Medicina Del Lavoro, 2019, 110, 407-436.	0.3	6
6939	Molecular and epigenetic markers as promising tools to quantify the effect of occupational exposures and the risk of developing non-communicable diseases. Medicina Del Lavoro, 2019, 110, 168-190.	0.3	3
6940	Is your environment making you older? Molecular biomarkers and new approaches to investigate the influences of environmental chemicals through aging. Medicina Del Lavoro, 2021, 112, 8-14.	0.3	3
6941	Healthy Aging Biomarkers: The INSPIRE's Contribution. Journal of Frailty & Aging, the, 2021, 10, 313-319.	0.8	0
6942	Is lifelong endurance training associated with maintaining levels of testosterone, interleukin-10, and body fat in middle-aged males?. Journal of Clinical and Translational Research, 2021, 7, 450-455.	0.3	0
6944	Ansätze der Biogerontologie. , 2021, , 265-273.		0
6945	Werner Syndrome. , 2021, , 5404-5414.		0
6946	Stem Cells Aging. , 2021, , 4753-4760.		0
6947	Geroscience. , 2021, , 2181-2187.		0
6948	Multimorbidity in Aging. , 2021, , 3350-3355.		0
6949	Molecular and Epigenetic Clocks of Aging. , 2021, , 3280-3286.		0
6950	Aging-associated immune system changes in multiple myeloma: The dark side of the moon.. Cancer Treatment and Research Communications, 2021, 29, 100494.	0.7	6
6951	Biomarkers of ageing and frailty may predict COVID-19 severity. Ageing Research Reviews, 2022, 73, 101513.	5.0	20
6952	Lung aging and senescence in health and disease. , 2022, , 61-80.		1

#	ARTICLE	IF	CITATIONS
6953	Stem cell aging in the skeletal muscle: The importance of communication. <i>Ageing Research Reviews</i> , 2022, 73, 101528.	5.0	21
6954	Osteoporosis and bone loss. , 2022, , 335-361.		0
6955	Polymethoxyflavones from <i>Kaempferia parviflora</i> ameliorate skin aging in primary human dermal fibroblasts and ex vivo human skin. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112461.	2.5	9
6956	Cell senescence is a cause of frailty. , 2022, , 383-422.		0
6957	Frailty and pain, human studies and animal models. <i>Ageing Research Reviews</i> , 2022, 73, 101515.	5.0	13
6958	Biomarkers shared by frailty and sarcopenia in older adults: A systematic review and meta-analysis. <i>Ageing Research Reviews</i> , 2022, 73, 101530.	5.0	101
6959	Senescence as a therapeutic target. , 2022, , 425-442.		2
6960	Anti-fibrotic effect of 6-bromo-indirubin-3-oxime (6-BIO) via regulation of activator protein-1 (AP-1) and specificity protein-1 (SP-1) transcription factors in kidney cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112402.	2.5	2
6961	Cognitive impairment, pain, and analgesia. , 2022, , 493-506.		0
6962	Life-long arsenic exposure damages the microstructure of the rat hippocampus. <i>Brain Research</i> , 2022, 1775, 147742.	1.1	1
6963	Understanding the role of telomere attrition and epigenetic signatures in COVID-19 severity. <i>Gene</i> , 2022, 811, 146069.	1.0	18
6964	Combining current knowledge on DNA methylation-based age estimation towards the development of a superior forensic DNA intelligence tool. <i>Forensic Science International: Genetics</i> , 2022, 57, 102637.	1.6	15
6965	Cellular senescence and its impact on the circadian clock. <i>Journal of Biochemistry</i> , 2022, 171, 493-500.	0.9	10
6966	Stem Cell Rejuvenation by Restoration of Youthful Metabolic Compartmentalization. <i>Rejuvenation Research</i> , 2021, 24, 470-474.	0.9	1
6967	Ageing, Bone Marrow and Next-Generation Sequencing (NGS): Recent Advances and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12225.	1.8	11
6968	Advancing Age in Africa, the Urgent Need for Institutional Geriatric Care in a Low Resource Setting: A Case Report. <i>World Journal of Advanced Research and Reviews</i> , 2021, 12, 416-420.	0.1	0
6969	MicroRNA Cues from Nature: A Roadmap to Decipher and Combat Challenges in Human Health and Disease?. <i>Cells</i> , 2021, 10, 3374.	1.8	24
6970	Ageing and Obesity Shared Patterns: From Molecular Pathogenesis to Epigenetics. <i>Diseases (Basel)</i> , 2021, 9, 1078.	1.0	17

#	ARTICLE	IF	CITATIONS
6971	Rejuvant [®] , a potential life-extending compound formulation with alpha-ketoglutarate and vitamins, conferred an average 8 year reduction in biological aging, after an average of 7 months of use, in the TruAge DNA methylation test. <i>Aging</i> , 2021, 13, 24485-24499.	1.4	28
6972	Hyperbaric oxygen therapy induces transcriptome changes in elderly: a prospective trial. <i>Aging</i> , 2021, 13, 24511-24523.	1.4	2
6973	Camphorquinone Promotes the Antisenescence Effect via Activating AMPK/SIRT1 in Stem Cells and D-Galactose-Induced Aging Mice. <i>Antioxidants</i> , 2021, 10, 1916.	2.2	11
6974	Advances in Proteasome Enhancement by Small Molecules. <i>Biomolecules</i> , 2021, 11, 1789.	1.8	13
6975	Telomere Length but Not Mitochondrial DNA Copy Number Is Altered in Both Young and Old COPD. <i>Frontiers in Medicine</i> , 2021, 8, 761767.	1.2	5
6976	Skin Aging, Cellular Senescence and Natural Polyphenols. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12641.	1.8	79
6977	Fundamentals of Membrane Lipid Replacement: A Natural Medicine Approach to Repairing Cellular Membranes and Reducing Fatigue, Pain, and Other Symptoms While Restoring Function in Chronic Illnesses and Aging. <i>Membranes</i> , 2021, 11, 944.	1.4	9
6980	Why stem/progenitor cells lose their regenerative potential. <i>World Journal of Stem Cells</i> , 2021, 13, 1714-1732.	1.3	6
6981	Origins and evolution of extreme life span in Pacific Ocean rockfishes. <i>Science</i> , 2021, 374, 842-847.	6.0	71
6982	The ups and downs of caloric restriction and fasting: from molecular effects to clinical application. <i>EMBO Molecular Medicine</i> , 2022, 14, e14418.	3.3	76
6983	The increase of τ -synuclein and alterations of dynein in A53T transgenic and aging mouse. <i>Journal of Clinical Neuroscience</i> , 2022, 96, 154-162.	0.8	3
6984	Lipid Droplets Protect Aging Mitochondria and Thus Promote Lifespan in Yeast Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 774985.	1.8	9
6985	Metformin Treatment in Old Rats and Effects on Mitochondrial Integrity. <i>Rejuvenation Research</i> , 2021, 24, 434-440.	0.9	4
6986	Alteration of mitochondrial homeostasis is an early event in a <i>C. elegans</i> model of human tauopathy. <i>Aging</i> , 2021, 13, 23876-23894.	1.4	9
6987	How much energetic trade-offs limit selection? Insights from livestock and related laboratory model species. <i>Evolutionary Applications</i> , 2021, 14, 2726-2749.	1.5	8
6988	Graptopetalum paraguayense Extract Ameliorates Proteotoxicity in Aging and Age-Related Diseases in Model Systems. <i>Nutrients</i> , 2021, 13, 4317.	1.7	3
6989	Regulation of Gene Expression by Telomere Position Effect. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12807.	1.8	6
6990	Impact of the Main Cardiovascular Risk Factors on Plasma Extracellular Vesicles and Their Influence on the Heart's Vulnerability to Ischemia-Reperfusion Injury. <i>Cells</i> , 2021, 10, 3331.	1.8	6

#	ARTICLE	IF	CITATIONS
6991	Mitochondrial sirtuins, metabolism, and aging. <i>Journal of Genetics and Genomics</i> , 2022, 49, 287-298.	1.7	77
6992	Senotherapeutic Drugs: A New Avenue for Skincare?. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 21S-26S.	0.7	4
6993	Age-related changes in the energy of human mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2022, 237, 1753-1767.	2.0	10
6994	The KEAP1-NRF2 System in Healthy Aging and Longevity. <i>Antioxidants</i> , 2021, 10, 1929.	2.2	44
6996	Inflammation, ageing and diseases of the lung: Potential therapeutic strategies from shared biological pathways. <i>British Journal of Pharmacology</i> , 2022, 179, 1790-1807.	2.7	8
6997	Nuclear pore complex maintenance and implications for age-related diseases. <i>Trends in Cell Biology</i> , 2021, , .	3.6	10
6998	Dance as physical exercise for older people. <i>South African Journal of Science</i> , 2021, 117, .	0.3	0
6999	Why stem/progenitor cells lose their regenerative potential. <i>World Journal of Stem Cells</i> , 2021, 13, 1717-1735.	1.3	0
7001	Characteristics of Neural Network Changes in Normal Aging and Early Dementia. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 747359.	1.7	20
7002	Telomere Dysfunction in Idiopathic Pulmonary Fibrosis. <i>Frontiers in Medicine</i> , 2021, 8, 739810.	1.2	10
7003	Exposure to 10 Hz Pulsed Magnetic Fields Do Not Induce Cellular Senescence in Human Fetal Lung Fibroblasts. <i>Frontiers in Public Health</i> , 2021, 9, 761069.	1.3	5
7004	The spectrum of inflammatory responses. <i>Science</i> , 2021, 374, 1070-1075.	6.0	198
7005	Weeklong improved colour contrasts sensitivity after single 670Ånm exposures associated with enhanced mitochondrial function. <i>Scientific Reports</i> , 2021, 11, 22872.	1.6	20
7006	Effects of anti-diabetic drugs on sarcopenia: Best treatment options for elderly patients with type 2 diabetes mellitus and sarcopenia. <i>World Journal of Clinical Cases</i> , 2021, 9, 10064-10074.	0.3	4
7008	Deficiency of T-Cell Intracellular Antigen 1 in Murine Embryonic Fibroblasts Is Associated with Changes in Mitochondrial Morphology and Respiration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12775.	1.8	2
7009	Metoprolol Protects Against Arginine Vasopressin-Induced Cellular Senescence in H9C2 Cardiomyocytes by Regulating the Sirt1/p53/p21 Axis. <i>Cardiovascular Toxicology</i> , 2022, 22, 99-107.	1.1	5
7010	Antiaging diets: Separating fact from fiction. <i>Science</i> , 2021, 374, eabe7365.	6.0	75
7011	Restoration of aged hematopoietic cells by their young counterparts through instructive microvesicles release. <i>Aging</i> , 2021, 13, 23981-24016.	1.4	5

#	ARTICLE	IF	CITATIONS
7012	miRâ€125aâ€5p increases cellular DNA damage of aging males and perturbs stageâ€specific embryo development via Rbm38â€p53 signaling. <i>Aging Cell</i> , 2021, 20, e13508.	3.0	9
7013	Immunosenescence and Alzheimerâ€™s Disease. <i>Healthy Ageing and Longevity</i> , 2022, , 177-199.	0.2	3
7014	Living Longer Better. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 7S-13S.	0.7	2
7015	Treatment of age-related visual impairment with a peptide acting on mitochondria. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	13
7016	Mild Muscle Mitochondrial Fusion Distress Extends Drosophila Lifespan through an Early and Systemic Metabolome Reorganization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12133.	1.8	4
7017	Single-Cell Transcriptomics Reveals the Expression of Aging- and Senescence-Associated Genes in Distinct Cancer Cell Populations. <i>Cells</i> , 2021, 10, 3126.	1.8	18
7018	New Directions in Research on Aging. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 1227-1233.	1.7	7
7019	Slowest-first protein translation scheme: Structural asymmetry and co-translational folding. <i>Biophysical Journal</i> , 2021, 120, 5466-5477.	0.2	4
7020	Nuclear Sirtuins and the Aging of the Immune System. <i>Genes</i> , 2021, 12, 1856.	1.0	12
7021	Enhanced Platelet-Rich Plasma (ePRP) Stimulates Wound Healing through Effects on Metabolic Reprogramming in Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12623.	1.8	12
7022	The effect of hyperbaric oxygen therapy on the pathophysiology of skin aging: a prospective clinical trial. <i>Aging</i> , 2021, 13, 24500-24510.	1.4	8
7023	Potential Nutrients from Natural and Synthetic Sources Targeting Inflammagingâ€” A Review of Literature, Clinical Data and Patents. <i>Nutrients</i> , 2021, 13, 4058.	1.7	8
7024	Mitochondrial Dysfunction in Cancer Cachexia: Impact on Muscle Health and Regeneration. <i>Cells</i> , 2021, 10, 3150.	1.8	24
7025	The Nitrate-Nitrite-Nitric Oxide Pathway on Healthy Ageing: A Review of Pre-clinical and Clinical Data on the Impact of Dietary Nitrate in the Elderly. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	9
7026	Redox Dysregulation in Aging and COPD: Role of NOX Enzymes and Implications for Antioxidant Strategies. <i>Antioxidants</i> , 2021, 10, 1799.	2.2	14
7028	A Computational Analysis in a Cohort of Parkinsonâ€™s Disease Patients and Clock-Modified Colorectal Cancer Cells Reveals Common Expression Alterations in Clock-Regulated Genes. <i>Cancers</i> , 2021, 13, 5978.	1.7	14
7029	An Analysis of Metabolic Changes in the Retina and Retinal Pigment Epithelium of Aging Mice. , 2021, 62, 20.		5
7031	Nutritional reprogramming of mouse liver proteome is dampened by metformin, resveratrol, and rapamycin. <i>Cell Metabolism</i> , 2021, 33, 2367-2379.e4.	7.2	30

#	ARTICLE	IF	CITATIONS
7033	Editorial: Cognitive Impairment and Inflammation in Old Age and the Role of Modifiable Risk Factors of Neurocognitive Disorders. <i>Frontiers in Psychiatry</i> , 2021, 12, 784134.	1.3	2
7034	Phenotype correlations reveal the relationships of physiological systems underlying human ageing. <i>Aging Cell</i> , 2021, 20, e13519.	3.0	4
7035	Location, location, location: subcellular protein partitioning in proteostasis and aging. <i>Biophysical Reviews</i> , 2021, 13, 931-941.	1.5	5
7036	Carrying Excess Baggage Can Slowdown Life: Protein Clearance Machineries That Go Awry During Aging and the Relevance of Maintaining Them. <i>Molecular Neurobiology</i> , 2022, 59, 821-840.	1.9	3
7037	An HSP90 cochaperone Ids2 maintains the stability of mitochondrial DNA and ATP synthase. <i>BMC Biology</i> , 2021, 19, 242.	1.7	3
7038	Comparing anti-aging hallmark activities of Metformin and Nano-PSO in a mouse model of genetic Creutzfeldt-Jakob Disease. <i>Neurobiology of Aging</i> , 2022, 110, 77-87.	1.5	3
7039	Lifespan and telomere length variation across populations of wild-derived African killifish. <i>Molecular Ecology</i> , 2022, 31, 5979-5992.	2.0	18
7041	Gonadal rejuvenation of mice by GDF11. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, , .	1.7	4
7042	LARP7 ameliorates cellular senescence and aging by allosterically enhancing SIRT1 deacetylase activity. <i>Cell Reports</i> , 2021, 37, 110038.	2.9	31
7043	Mitochondria and Their Cell Hosts: Best of Frenemies. , 2022, , 167-196.		0
7044	Immune ageing at single-cell resolution. <i>Nature Reviews Immunology</i> , 2022, 22, 484-498.	10.6	128
7045	Vinexin contributes to autophagic decline in brain ageing across species. <i>Cell Death and Differentiation</i> , 2022, 29, 1055-1070.	5.0	7
7047	Bioactive Phytochemicals with Anti-Aging and Lifespan Extending Potentials in <i>Caenorhabditis elegans</i> . <i>Molecules</i> , 2021, 26, 7323.	1.7	27
7048	Modulation of Redox and Aging-Related Signaling Pathways and Biomarkers by Naturally Derived Peptides. <i>Healthy Ageing and Longevity</i> , 2022, , 229-254.	0.2	2
7049	Aging and Redox Pathways in Diabetes. <i>Healthy Ageing and Longevity</i> , 2022, , 349-368.	0.2	1
7050	Impaired Redox Status and Age-Related Neurodegenerative Disorders. <i>Healthy Ageing and Longevity</i> , 2022, , 287-302.	0.2	1
7051	Redox Proteostasis in Subcellular Aging. <i>Healthy Ageing and Longevity</i> , 2022, , 209-228.	0.2	6
7052	Evaluation of the Anti-Aging Effects of a Probiotic Combination Isolated From Centenarians in a SAMP8 Mouse Model. <i>Frontiers in Immunology</i> , 2021, 12, 792746.	2.2	19

#	ARTICLE	IF	CITATIONS
7053	Senescence in Primary Rat Astrocytes Induces Loss of the Mitochondrial Membrane Potential and Alters Mitochondrial Dynamics in Cortical Neurons. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 766306.	1.7	7
7054	Protective effect of olive leaves phenolic compounds against neurodegenerative disorders: Promising alternative for Alzheimer and Parkinson diseases modulation. <i>Food and Chemical Toxicology</i> , 2022, 159, 112752.	1.8	14
7055	A Machine Learning-Based Aging Measure Among Middle-Aged and Older Chinese Adults: The China Health and Retirement Longitudinal Study. <i>Frontiers in Medicine</i> , 2021, 8, 698851.	1.2	8
7056	The longevity society. <i>The Lancet Healthy Longevity</i> , 2021, 2, e820-e827.	2.0	25
7057	Redox Dynamic Homeostasis and Aging. <i>Healthy Ageing and Longevity</i> , 2022, , 3-20.	0.2	0
7058	Metabolomic profiling of plasma from middle-aged and advanced-age male mice reveals the metabolic abnormalities of carnitine biosynthesis in metallothionein gene knockout mice. <i>Aging</i> , 2021, 13, .	1.4	2
7059	High-intensity training induces non-stoichiometric changes in the mitochondrial proteome of human skeletal muscle without reorganisation of respiratory chain content. <i>Nature Communications</i> , 2021, 12, 7056.	5.8	45
7060	Trisomy 21 and Assisted Reproductive Technologies: A review. <i>Jornal Brasileiro De Reproducao Assistida</i> , 2021, , .	0.3	8
7061	A Benzenesulfonamide GW8510 Rejuvenates Mice and Yeast Through Interaction with P21-Activated Kinases. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7062	<i>Epidemiology, Aging, and Cancer</i> . , 2021, , 1699-1707.		0
7063	Investigating molecular crowding during cell division and hyperosmotic stress in budding yeast with FRET. <i>Current Topics in Membranes</i> , 2021, 88, 75-118.	0.5	6
7064	Type I Interferon Signaling Drives Microglial Dysfunction and Senescence in Human iPSC Models of Down Syndrome and Alzheimer's Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
7065	Tendon Extracellular Matrix Assembly, Maintenance and Dysregulation Throughout Life. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1348, 45-103.	0.8	17
7066	<i>Genetic Theories of Aging</i> . , 2021, , 2025-2034.		0
7067	<i>Genomics of Aging and Longevity</i> . , 2021, , 2064-2074.		0
7068	<i>Strategies for Engineered Negligible Senescence</i> . , 2021, , 4768-4773.		0
7069	<i>Telomere Shortening and Calorie Restriction in Obesity</i> . , 2021, , 267-279.		0
7071	<i>Biology of Frailty</i> . , 2021, , 677-681.		0

#	ARTICLE	IF	CITATIONS
7072	Somatic Cell Nuclear Transfer. , 2021, , 4711-4717.		0
7073	OncoAge. , 2021, , 3653-3657.		0
7074	Longevity Activism. , 2021, , 2958-2964.		0
7075	Maximum Lifespan. , 2021, , 3073-3092.		0
7076	Genetics: Gene Expression. , 2021, , 2043-2048.		0
7077	Oxidation Damage Accumulation Aging Theory (The Novel Role of Glutathione). , 2021, , 3676-3684.		0
7078	Dykeratosis Congenita. , 2021, , 1546-1556.		0
7079	Glycosylation and Aging. Advances in Experimental Medicine and Biology, 2021, 1325, 341-373.	0.8	9
7080	Alterations in epididymal sperm maturation caused by ageing. Reproduction, Fertility and Development, 2021, 33, 855.	0.1	0
7081	Immunological Theory of Aging. , 2021, , 2556-2566.		0
7082	Orthologische und pathologische Hirnalterung. , 2021, , 195-199.		0
7083	Genome Instability. , 2021, , 2054-2060.		0
7084	p62 works as a hub modulation in the ageing process. Ageing Research Reviews, 2022, 73, 101538.	5.0	11
7085	The accelerated aging phenotype: The role of race and social determinants of health on aging. Ageing Research Reviews, 2022, 73, 101536.	5.0	55
7088	Stem cells™ potential to restore function in aging systems; are we there yet?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, , .	1.7	0
7089	Associations of Neighborhood Socioeconomic Disadvantage With Chronic Conditions by Age, Sex, Race, and Ethnicity in a Population-Based Cohort. Mayo Clinic Proceedings, 2022, 97, 57-67.	1.4	11
7090	Lipopolysaccharide Induces Gliotoxicity in Hippocampal Astrocytes from Aged Rats: Insights About the Glioprotective Roles of Resveratrol. Molecular Neurobiology, 2022, 59, 1419-1439.	1.9	8
7091	Patterns-of-Care Analysis for Radiotherapy of Elderly Head-and-Neck Cancer Patients: A Trinational Survey in Germany, Austria and Switzerland. Frontiers in Oncology, 2021, 11, 723716.	1.3	9

#	ARTICLE	IF	CITATIONS
7093	Inhibition of Nrf2 degradation alleviates age-related osteoporosis induced by 1,25-Dihydroxyvitamin D deficiency. <i>Free Radical Biology and Medicine</i> , 2022, 178, 246-261.	1.3	27
7094	DNA damage in preimplantation embryos and gametes: specification, clinical relevance and repair strategies. <i>Human Reproduction Update</i> , 2022, 28, 376-399.	5.2	17
7095	Breaking the ageing paradigm in endometrium: endometrial gene expression related to cilia and ageing hallmarks in women over 35 years. <i>Human Reproduction</i> , 2022, 37, 762-776.	0.4	23
7096	Local Elimination of Senescent Cells Promotes Bone Defect Repair during Aging. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3885-3899.	4.0	15
7097	Early-onset dietary restriction maintains mitochondrial health, autophagy and ER function in the left ventricle during aging. <i>Journal of Nutritional Biochemistry</i> , 2022, 101, 108944.	1.9	5
7098	Mulberry polyphenol extracts attenuated senescence through inhibition of Ras/ERK via promoting Ras degradation in VSMC. <i>International Journal of Medical Sciences</i> , 2022, 19, 89-97.	1.1	4
7099	The SUMO protease SENP3 regulates mitochondrial autophagy mediated by Fis1. <i>EMBO Reports</i> , 2022, 23, e48754.	2.0	24
7100	Comparison of cytotoxicity effects induced by four different types of nanoparticles in human corneal and conjunctival epithelial cells. <i>Scientific Reports</i> , 2022, 12, 155.	1.6	13
7101	A gerophysiology perspective on healthy ageing. <i>Ageing Research Reviews</i> , 2022, 73, 101537.	5.0	14
7102	OUP accepted manuscript. <i>Stem Cells Translational Medicine</i> , 2022, 11, 231-238.	1.6	10
7103	The Danaid Theory of Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 671208.	1.8	8
7104	The Complicated Nature of Somatic mtDNA Mutations in Aging. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	18
7105	Mechanisms underlying the pathophysiology of type 2 diabetes: From risk factors to oxidative stress, metabolic dysfunction, and hyperglycemia. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 874-875, 503437.	0.9	34
7106	Alpha-Ketoglutarate dietary supplementation to improve health in humans. <i>Trends in Endocrinology and Metabolism</i> , 2022, 33, 136-146.	3.1	41
7107	Primary cilia and ciliary signaling pathways in aging and age-related brain disorders. <i>Neurobiology of Disease</i> , 2022, 163, 105607.	2.1	41
7108	Chronic HIV Infection and Aging: Application of a Geroscience-Guided Approach. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 89, S34-S46.	0.9	8
7109	Effects of Aging on Metabolic Characteristics of Human B Cells. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 89, S23-S28.	0.9	3
7110	Molecular basis of longevity sustaining characteristics of Chinese medicine herbs. <i>Pharmacological Research Modern Chinese Medicine</i> , 2022, 2, 100037.	0.5	1

#	ARTICLE	IF	CITATIONS
7111	Early life adversity and age acceleration at mid-life and older ages indexed using the next-generation GrimAge and Pace of Aging epigenetic clocks. <i>Psychoneuroendocrinology</i> , 2022, 137, 105643.	1.3	24
7112	Identification source and human health risk assessment of potentially toxic metal in soil samples around karst watershed of Pangkajene, Indonesia. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100634.	1.7	12
7113	Myocardial Cell Aging in the Elderly. <i>Aging Pathobiology and Therapeutics</i> , 2020, 2, 134-142.	0.3	1
7114	Regulation of the mitochondrial permeability transition pore and its effects on aging. <i>Microbial Cell</i> , 2020, 7, 222-233.	1.4	4
7115	Forschung: Nach Schwachstellen des alternden Herzens suchen. , 0, , .		0
7116	The price of longevity. <i>Aging</i> , 2020, 12, 22350-22351.	1.4	0
7118	GATA6 regulates aging of human mesenchymal stem/stromal cells. <i>Stem Cells</i> , 2021, 39, 62-77.	1.4	22
7119	Deubiquitinase USP7 regulates <i>Drosophila</i> aging through ubiquitination and autophagy. <i>Aging</i> , 2020, 12, 23082-23095.	1.4	5
7120	Serum markers of biological ageing provide long-term prediction of life expectancy—a longitudinal analysis in middle-aged and older German adults. <i>Age and Ageing</i> , 2022, 51, .	0.7	0
7122	Senescence. , 2021, , 1391-1402.		0
7123	Serum from Older Adults Increases Apoptosis and Molecular Aging Markers in Human Hippocampal Progenitor Cells. , 2021, 12, 2151.		10
7124	Molecular Mechanisms of SARS-CoV-2/COVID-19 Pathogenicity on the Central Nervous System: Bridging Experimental Probes to Clinical Evidence and Therapeutic Interventions. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 1.	0.8	1
7125	Mitochondrial Quality Control in Sarcopenia: Updated Overview of Mechanisms and Interventions. , 2021, 12, 2016.		21
7126	Mechanobiological Implications of Cancer Progression in Space. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 740009.	1.8	6
7127	Proper control of R-loop homeostasis is required for maintenance of gene expression and neuronal function during aging. <i>Aging Cell</i> , 2022, 21, e13554.	3.0	19
7128	Microfluidic Surgery in Single Cells and Multicellular Systems. <i>Chemical Reviews</i> , 2022, 122, 7097-7141.	23.0	11
7129	Mendelian randomization of genetically independent aging phenotypes identifies LPA and VCAM1 as biological targets for human aging. <i>Nature Aging</i> , 2022, 2, 19-30.	5.3	17
7130	Does the human lifespan have a limit?. <i>Nature</i> , 2022, 601, S2-S4.	13.7	7

#	ARTICLE	IF	CITATIONS
7131	An extract of Rosaceae, Solanaceae and Zingiberaceae increases health span and mobility in <i>Caenorhabditis elegans</i> . <i>BMC Nutrition</i> , 2022, 8, 5.	0.6	2
7132	Sirt6 regulates lifespan in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	29
7133	Single-cell transcriptomic profiling of the hypothalamic median eminence during aging. <i>Journal of Genetics and Genomics</i> , 2022, 49, 523-536.	1.7	7
7134	MiR-29a Increase in Aging May Function as a Compensatory Mechanism Against Cardiac Fibrosis Through SERPINH1 Downregulation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 810241.	1.1	8
7135	Epigenetic aging of the demographically non-aging naked mole-rat. <i>Nature Communications</i> , 2022, 13, 355.	5.8	26
7137	The Aged Striatum: Evidence of Molecular and Structural Changes Using a Longitudinal Multimodal Approach in Mice. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 795132.	1.7	3
7138	Journal of Nutrition, Health & Aging: Summary of Recent Work and Future Directions. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 1-2.	1.5	1
7139	An update on mode of action of metformin in modulation of meta-inflammation and inflammaging. <i>Pharmacological Reports</i> , 2022, , 1.	1.5	12
7141	Mechanisms of aging in bipolar disorder. , 2022, , 157-166.		1
7142	RAD51 protects against nonconservative DNA double-strand break repair through a nonenzymatic function. <i>Nucleic Acids Research</i> , 2022, 50, 2651-2666.	6.5	8
7143	Near infrared spectroscopy reveals instability in retinal mitochondrial metabolism and haemodynamics with blue light exposure at environmental levels. <i>Journal of Biophotonics</i> , 2022, 15, e2916.	1.1	5
7144	Mendelian randomization analyses implicate biogenesis of translation machinery in human aging. <i>Genome Research</i> , 2022, 32, 258-265.	2.4	7
7145	Sex-specific aging in animals: Perspective and future directions. <i>Aging Cell</i> , 2022, 21, e13542.	3.0	36
7146	The Regular Consumption of Nuts Is Associated with a Lower Prevalence of Abdominal Obesity and Metabolic Syndrome in Older People from the North of Spain. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1256.	1.2	4
7147	Autophagy facilitates age-related cell apoptosis—a new insight from senile cataract. <i>Cell Death and Disease</i> , 2022, 13, 37.	2.7	22
7148	Single-Cell RNA Profiling of Human Skin Reveals Age-Related Loss of Dermal Sheath Cells and Their Contribution to a Juvenile Phenotype. <i>Frontiers in Genetics</i> , 2021, 12, 797747.	1.1	14
7149	Establishment and characterization of immortalized sweat gland myoepithelial cells. <i>Scientific Reports</i> , 2022, 12, 7.	1.6	2
7150	miRNA and lncRNA Expression Networks Modulate Cell Cycle and DNA Repair Inhibition in Senescent Prostate Cells. <i>Genes</i> , 2022, 13, 208.	1.0	7

#	ARTICLE	IF	CITATIONS
7151	Retrotransposons as a Source of DNA Damage in Neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 786897.	1.7	15
7152	Targeting memory T cell metabolism to improve immunity. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	61
7153	Age-specific oncogenic pathways in head and neck squamous cell carcinoma—are elderly a different subcategory?. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 1-18.	2.1	5
7154	Handelin extends lifespan and healthspan of <i>Caenorhabditis elegans</i> by reducing ROS generation and improving motor function. <i>Biogerontology</i> , 2022, 23, 115-128.	2.0	8
7155	Harnessing big data to characterize immune-related adverse events. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 269-280.	12.5	41
7159	Overview of Polyamines as Nutrients for Human Healthy Long Life and Effect of Increased Polyamine Intake on DNA Methylation. <i>Cells</i> , 2022, 11, 164.	1.8	26
7160	Influence of Long-term Nonaspirin NSAID Use on Risk of Frailty in Men ≥60 Years: The Physicians' Health Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1048-1054.	1.7	3
7161	Enhanced resistance to Ca ²⁺ -induced mitochondrial permeability transition in the long-lived red-footed tortoise <i>Chelonoidis carbonaria</i> . <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	1
7162	Evaluation of Epigenetic Age Based on DNA Methylation Analysis of Several CpG Sites in Ukrainian Population. <i>Frontiers in Genetics</i> , 2021, 12, 772298.	1.1	2
7163	Identification of Aging-Related Genes Associated with Prognostic Value and Immune Microenvironment Characteristics in Diffuse Large B-Cell Lymphoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-30.	1.9	6
7165	Regulation of neuronal autophagy and the implications in neurodegenerative diseases. <i>Neurobiology of Disease</i> , 2022, 162, 105582.	2.1	23
7166	The Age-Specific Features and Clinical Significance of NRF2 and MAPK10 Expression in HCC Patients. <i>International Journal of General Medicine</i> , 2022, Volume 15, 737-748.	0.8	2
7167	The Impact of Aging on the Lung Alveolar Environment, Predetermining Susceptibility to Respiratory Infections. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	6
7168	Combining Metabolomics and Experimental Evolution Reveals Key Mechanisms Underlying Longevity Differences in Laboratory Evolved <i>Drosophila melanogaster</i> Populations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1067.	1.8	7
7169	Meeting Report: Aging Research and Drug Discovery. <i>Aging</i> , 2022, 14, 530-543.	1.4	4
7170	Rejuvenation through iPSCs and reprogramming in vivo and in vitro. , 2022, , 571-587.		1
7171	How to Slow down the Ticking Clock: Age-Associated Epigenetic Alterations and Related Interventions to Extend Life Span. <i>Cells</i> , 2022, 11, 468.	1.8	26
7172	Telomere length in patients with anorexia nervosa. <i>Psychiatry Research Communications</i> , 2022, 2, 100022.	0.2	0

#	ARTICLE	IF	CITATIONS
7173	S-allylcysteine Ameliorates Aging Features via Regulating Mitochondrial Dynamics in Naturally Aged C57BL/6J Mice. <i>Molecular Nutrition and Food Research</i> , 2022, , 2101077.	1.5	3
7174	The Clock:Cycle complex is a major transcriptional regulator of <i>Drosophila</i> photoreceptors that protects the eye from retinal degeneration and oxidative stress. <i>PLoS Genetics</i> , 2022, 18, e1010021.	1.5	9
7176	The Effect of Nutrition on Aging—A Systematic Review Focusing on Aging-Related Biomarkers. <i>Nutrients</i> , 2022, 14, 554.	1.7	26
7177	Comparing qPCR and DNA methylation-based measurements of telomere length in a high-risk pediatric cohort. <i>Aging</i> , 2022, 14, 660-677.	1.4	4
7178	ATM modulates subventricular zone neural stem cell maintenance and senescence through Notch signaling pathway. <i>Stem Cell Research</i> , 2022, 58, 102618.	0.3	8
7179	Metabolic Rewiring by Human Placenta-Derived Mesenchymal Stem Cell Therapy Promotes Rejuvenation in Aged Female Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 566.	1.8	5
7180	Contribution of senescent and reactive astrocytes on central nervous system inflammaging. <i>Biogerontology</i> , 2022, 23, 21-33.	2.0	10
7181	Removal of p16INK4 Expressing Cells in Late Life has Moderate Beneficial Effects on Skeletal Muscle Function in Male Mice. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	7
7182	Relationship Between 5 Epigenetic Clocks, Telomere Length, and Functional Capacity Assessed in Older Adults: Cross-Sectional and Longitudinal Analyses. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1724-1733.	1.7	17
7183	Immunosenescence, Inflammaging, and Frailty: Role of Myeloid Cells in Age-Related Diseases. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 64, 123-144.	2.9	40
7185	Aging reduces liver resiliency by dysregulating Hedgehog signaling. <i>Aging Cell</i> , 2022, 21, e13530.	3.0	9
7186	Effects of aneuploidy on cell behaviour and function. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 250-265.	16.1	35
7187	Delirium and COVID-19: a narrative review of emerging evidence. <i>Anaesthesia</i> , 2022, 77, 49-58.	1.8	11
7189	Complexity against current cancer research: Are we on the wrong track?. <i>International Journal of Cancer</i> , 2022, 150, 1569-1578.	2.3	7
7190	Cardiovascular-specific <i>PSEN1</i> deletion leads to abnormalities in calcium homeostasis. <i>Cell Biology International</i> , 2022, 46, 475-487.	1.4	2
7191	Centenarian-Sourced <i>Lactobacillus casei</i> Combined with Dietary Fiber Complex Ameliorates Brain and Gut Function in Aged Mice. <i>Nutrients</i> , 2022, 14, 324.	1.7	11
7192	Splicing Variants, Protein-Protein Interactions, and Drug Targeting in Hutchinson-Gilford Progeria Syndrome and Small Cell Lung Cancer. <i>Genes</i> , 2022, 13, 165.	1.0	3
7193	Subjective cognitive decline symptoms and its association with socio-demographic characteristics and common chronic diseases in the southern Chinese older adults. <i>BMC Public Health</i> , 2022, 22, 127.	1.2	8

#	ARTICLE	IF	CITATIONS
7194	Interconnections between Inflammageing and Immunosenescence during Ageing. <i>Cells</i> , 2022, 11, 359.	1.8	70
7195	AMP-activated protein kinase-dependent nuclear localization of glyceraldehyde 3-phosphate dehydrogenase in senescent human diploid fibroblasts. <i>Aging</i> , 2022, 14, 4-27.	1.4	6
7197	Electrophysiological signatures of brain aging in autism spectrum disorder. <i>Cortex</i> , 2022, 148, 139-151.	1.1	5
7199	Functional genomics of ageing: implications of chromatin landscape and beyond. <i>Briefings in Functional Genomics</i> , 2022, 21, 1-3.	1.3	0
7200	Selective autophagy controls innate immune response through a TAK1/TAB2/SH3PX1 axis. <i>Cell Reports</i> , 2022, 38, 110286.	2.9	19
7201	Aging alters rhythms in immunity. <i>Nature Immunology</i> , 2022, 23, 153-154.	7.0	0
7202	Interpretable machine learning for high-dimensional trajectories of aging health. <i>PLoS Computational Biology</i> , 2022, 18, e1009746.	1.5	10
7203	The [2Fe-2S] protein CISD2 plays a key role in preventing iron accumulation in cardiomyocytes. <i>FEBS Letters</i> , 2022, 596, 747-761.	1.3	6
7204	Gerontology through the Eyes of 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , 2022, 35, 337-339.	1.7	1
7205	Mechanisms of immune aging in HIV. <i>Clinical Science</i> , 2022, 136, 61-80.	1.8	5
7207	Development of an Aging-Related Gene Signature for Predicting Prognosis, Immunotherapy, and Chemotherapy Benefits in Rectal Cancer. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 775700.	1.6	4
7208	Inflammaging and Brain: Curcumin and Its Beneficial Potential as Regulator of Microglia Activation. <i>Molecules</i> , 2022, 27, 341.	1.7	19
7209	Computational Methods for Single-Cell Imaging and Omics Data Integration. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 768106.	1.6	13
7210	Machine learning-based predictions of dietary restriction associations across ageing-related genes. <i>BMC Bioinformatics</i> , 2022, 23, 10.	1.2	7
7211	Autophagy takes it all – autophagy inducers target immune aging. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	9
7212	Effects of Hyperoxia on Aging Biomarkers: A Systematic Review. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	3
7213	The potential of aging rejuvenation. <i>Cell Cycle</i> , 2022, 21, 111-116.	1.3	5
7214	The MFF-SIRT1/3 axis, regulated by miR-340-5p, restores mitochondrial homeostasis of hypoxia-induced pulmonary artery smooth muscle cells. <i>Laboratory Investigation</i> , 2022, 102, 515-523.	1.7	6

#	ARTICLE	IF	CITATIONS
7215	Interpreting Geroscience-Guided Biomarker Studies. <i>JAMA Internal Medicine</i> , 2022, 182, 300.	2.6	1
7216	Lifespan prolonging mechanisms and insulin upregulation without fat accumulation in long-lived reproductives of a higher termite. <i>Communications Biology</i> , 2022, 5, 44.	2.0	27
7217	Endoplasmic Reticulum Stress and miRNA Impairment in Aging and Age-Related Diseases. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	3
7218	SARS-CoV-2 infection triggers paracrine senescence and leads to a sustained senescence-associated inflammatory response. <i>Nature Aging</i> , 2022, 2, 115-124.	5.3	43
7219	A catalogue of omics biological ageing clocks reveals substantial commonality and associations with disease risk. <i>Aging</i> , 2022, 14, 623-659.	1.4	22
7220	Recent developments in mitochondrial medicine (part 2). <i>4open</i> , 2022, 5, 5.	0.1	1
7221	Creation of a collection of different biological sample types from elderly patients to study the relationship of clinical, systemic, tissue and cellular biomarkers of accumulation of senescent cells during aging. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2022, 20, 3051.	0.4	2
7222	A comprehensive analysis of age-related metabolomics and transcriptomics reveals metabolic alterations in rat bone marrow mesenchymal stem cells. <i>Aging</i> , 2022, 14, 1014-1032.	1.4	7
7223	Dietary intake of diosgenin delays aging of male fish <i>Nothobranchius guentheri</i> through modulation of multiple pathways that play prominent roles in ROS production. <i>Biogerontology</i> , 2022, 23, 201-213.	2.0	6
7225	Hypophosphorylated pRb knock-in mice exhibit hallmarks of aging and vitamin C-preventable diabetes. <i>EMBO Journal</i> , 2022, 41, e106825.	3.5	13
7226	The effect of lactoferrin in aging: role and potential. <i>Food and Function</i> , 2022, 13, 501-513.	2.1	8
7228	LncRNA <i>lncRAR</i> -mediated regulation of insulin receptor transcripts in <i>Drosophila melanogaster</i> during nutritional stress. <i>Insect Molecular Biology</i> , 2021, , .	1.0	6
7229	Novedades diagnÁsticas y terapÉuticas en fibrosis pulmonar progresiva. <i>Archivos De Bronconeumologia</i> , 2022, , .	0.4	7
7230	Emerging Interrelationship Between the Gut Microbiome and Cellular Senescence in the Context of Aging and Disease: Perspectives and Therapeutic Opportunities. <i>Probiotics and Antimicrobial Proteins</i> , 2022, 14, 648-663.	1.9	20
7231	Protective Effects of Exercise Become Especially Important for the Aging Immune System in The Covid-19 Era. , 2022, 13, 129.		11
7233	Associations between Vitamin D, Omega 6:Omega 3 Ratio, and Biomarkers of Aging in Individuals Living with and without Chronic Pain. <i>Nutrients</i> , 2022, 14, 266.	1.7	2
7234	Tissue engineering strategies to bioengineer the ageing skin phenotype in vitro. <i>Aging Cell</i> , 2022, 21, e13550.	3.0	7
7235	Retinal age gap as a predictive biomarker for mortality risk. <i>British Journal of Ophthalmology</i> , 2023, 107, 547-554.	2.1	49

#	ARTICLE	IF	CITATIONS
7237	Sex- and strain-specific effects of mitochondrial uncoupling on age-related metabolic diseases in high-fat diet-fed mice. <i>Aging Cell</i> , 2022, 21, e13539.	3.0	11
7238	Secreted Protein Acidic and Rich in Cysteine (Sparc) KO Leads to an Accelerated Ageing Phenotype Which Is Improved by Exercise Whereas SPARC Overexpression Mimics Exercise Effects in Mice. <i>Metabolites</i> , 2022, 12, 125.	1.3	11
7239	Small-molecule fluorescence-based probes for aging diagnosis. , 2022, 1, .		11
7240	Ageing exacerbates ribosome pausing to disrupt cotranslational proteostasis. <i>Nature</i> , 2022, 601, 637-642.	13.7	91
7241	Aging Activates the Immune System and Alters the Regenerative Capacity in the Zebrafish Heart. <i>Cells</i> , 2022, 11, 345.	1.8	7
7242	B1 siRNA Increases de novo DNA Methylation of B1 Elements and Promotes Wound Healing in Diabetic Rats. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 802024.	1.8	2
7243	Idiopathic Pulmonary Fibrosis: An Update on Pathogenesis. <i>Frontiers in Pharmacology</i> , 2021, 12, 797292.	1.6	70
7245	Evidence of telomere attrition and a potential role for DNA damage in systemic sclerosis. <i>Immunity and Ageing</i> , 2022, 19, 7.	1.8	8
7246	Beyond Static Pipes: Mechanisms and In Vitro Models of Vascular Aging. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2022, , a041180.	2.9	0
7247	Systems approaches to investigate the role of NF- κ B signaling in aging. <i>Biochemical Journal</i> , 2022, 479, 161-183.	1.7	23
7248	Hematopoiesis, Inflammation and Aging—The Biological Background and Clinical Impact of Anemia and Increased C-Reactive Protein Levels on Elderly Individuals. <i>Journal of Clinical Medicine</i> , 2022, 11, 706.	1.0	10
7249	Novel antioxidant peptides from Yak bones collagen enhanced the capacities of antiaging and antioxidant in <i>Caenorhabditis elegans</i> . <i>Journal of Functional Foods</i> , 2022, 89, 104933.	1.6	16
7250	Effects of Prolonged Intermittent Fasting Model on Energy Metabolism and Mitochondrial Functions in Neurons. <i>Annals of Neurosciences</i> , 2022, 29, 21-31.	0.9	2
7251	Changes in tumor suppressors and inflammatory responses during hydrogen peroxide-induced senescence in rat fibroblasts. <i>Free Radical Research</i> , 2022, 56, 77-89.	1.5	2
7252	Visualizing the Interplay of Lipid Droplets and Protein Aggregates During Aging via a Dual-Functional Fluorescent Probe. <i>Analytical Chemistry</i> , 2022, 94, 2803-2811.	3.2	12
7253	Back to the Root: The Coming of Age of Cementochronology. , 2022, , 379-393.		0
7254	Targeting cellular senescence with senotherapeutics: senolytics and senomorphics. <i>FEBS Journal</i> , 2023, 290, 1362-1383.	2.2	140
7255	Identifying Life-History Events in Dental Cementum: A Literature Review. , 2022, , 155-170.		0

#	ARTICLE	IF	CITATIONS
7256	Associations Between Blood Pressure and Accelerated DNA Methylation Aging. <i>Journal of the American Heart Association</i> , 2022, 11, e022257.	1.6	11
7257	Skin senescence: mechanisms and impact on whole-body aging. <i>Trends in Molecular Medicine</i> , 2022, 28, 97-109.	3.5	69
7258	Cellular senescence and the skeleton: pathophysiology and therapeutic implications. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	30
7259	Cognitive Frailty is Associated With Elevated Proinflammatory Markers and a Higher Risk of Mortality. <i>American Journal of Geriatric Psychiatry</i> , 2022, 30, 825-833.	0.6	7
7260	Brain and testicular metabonomics revealed the protective effects of Guilingji on senile sexual dysfunction rats. <i>Journal of Ethnopharmacology</i> , 2022, 290, 115047.	2.0	5
7261	Mitochondria, energy, and metabolism in neuronal health and disease. <i>FEBS Letters</i> , 2022, 596, 1095-1110.	1.3	60
7262	p53 regulates skeletal muscle mitophagy and mitochondrial quality control following denervation-induced muscle disuse. <i>Journal of Biological Chemistry</i> , 2022, 298, 101540.	1.6	21
7263	Epidemiologic Trends, Social Determinants, and Brain Health: The Role of Life Course Inequalities. <i>Stroke</i> , 2022, 53, 437-443.	1.0	11
7264	Potential prevention and treatment of neurodegenerative disorders by olive polyphenols and hidrox. <i>Mechanisms of Ageing and Development</i> , 2022, 203, 111637.	2.2	11
7266	Immune system aging and the aging-related diseases in the COVID-19 era. <i>Immunology Letters</i> , 2022, 243, 19-27.	1.1	8
7267	Mild calorie restriction, but not 17 β -estradiol, extends ovarian reserve and fertility in female mice. <i>Experimental Gerontology</i> , 2022, 159, 111669.	1.2	18
7268	Experience of Western Herbal Medicine practitioners in supporting brain health in mid-life and older patients: A qualitative research study. <i>Journal of Herbal Medicine</i> , 2022, 32, 100547.	1.0	0
7269	<i>C. elegans</i> as a model organism to study female reproductive health. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 266, 111152.	0.8	11
7270	Reconstruction of regulatory network predicts transcription factors driving the dynamics of zebrafish heart regeneration. <i>Gene</i> , 2022, 819, 146242.	1.0	0
7271	Phosphodiesterase-1 in the cardiovascular system. <i>Cellular Signalling</i> , 2022, 92, 110251.	1.7	4
7273	Antigen cross-presentation in young tumor-bearing hosts promotes CD8 ⁺ T cell terminal differentiation. <i>Science Immunology</i> , 2022, 7, eabf6136.	5.6	5
7274	Mitochondrial and metabolic dysfunction in ageing and age-related diseases. <i>Nature Reviews Endocrinology</i> , 2022, 18, 243-258.	4.3	225
7275	The Role of Non-canonical and Canonical Inflammasomes in Inflammaging. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 774014.	1.4	16

#	ARTICLE	IF	CITATIONS
7276	Growth Differentiation Factor-15 in Immunity and Aging. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	13
7277	Polyadenylated Telomeric Noncoding RNA Functions as a Pivotal Therapeutic Target of Anti-Ageing to Stabilize Telomere Length of Chromosomes Via Collaborating With Zscan4c. <i>Frontiers in Pharmacology</i> , 2021, 12, 822779.	1.6	0
7278	NAD ⁺ Levels Are Augmented in Aortic Tissue of ApoE ^{-/-} Mice by Dietary Omega-3 Fatty Acids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 395-406.	1.1	6
7279	The Pivotal Role of the Placenta in Normal and Pathological Pregnancies: A Focus on Preeclampsia, Fetal Growth Restriction, and Maternal Chronic Venous Disease. <i>Cells</i> , 2022, 11, 568.	1.8	39
7280	Lysophosphatidic Acid Receptor 3 Promotes Mitochondrial Homeostasis against Oxidative Stress: Potential Therapeutic Approaches for Hutchinsonâ€™Gilford Progeria Syndrome. <i>Antioxidants</i> , 2022, 11, 351.	2.2	3
7281	The Potential Roles of Probiotics, Resistant Starch, and Resistant Proteins in Ameliorating Inflammation during Aging (Inflammaging). <i>Nutrients</i> , 2022, 14, 747.	1.7	24
7283	DNA Damage in Circulating Hematopoietic Progenitor Stem Cells as Promising Biological Sensor of Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1279-1286.	1.7	5
7284	Age as a risk factor in vasculitis. <i>Seminars in Immunopathology</i> , 2022, 44, 281-301.	2.8	22
7285	Gene Expression Analysis Reveals Age and Ethnicity Signatures Between Young and Old Adults in Human PBMC. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	4
7286	Road to The Red Carpet of Edible Crickets through Integration into the Human Food Chain with Biofunctions and Sustainability: A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1801.	1.8	18
7287	Targeting the molecular & cellular pillars of human aging with exercise. <i>FEBS Journal</i> , 2023, 290, 649-668.	2.2	27
7288	INTEGRATE: Model-based multi-omics data integration to characterize multi-level metabolic regulation. <i>PLoS Computational Biology</i> , 2022, 18, e1009337.	1.5	24
7289	The Role of Senescence-Associated Secretory Phenotype in Bone Loss. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 841612.	1.8	3
7290	Relationship between oxidative stress and lifespan in <i>Daphnia pulex</i> . <i>Scientific Reports</i> , 2022, 12, 2354.	1.6	4
7291	Oxidative Stress in Human Pathology and Aging: Molecular Mechanisms and Perspectives. <i>Cells</i> , 2022, 11, 552.	1.8	183
7292	The Elastin Receptor Complex: An Emerging Therapeutic Target Against Age-Related Vascular Diseases. <i>Frontiers in Endocrinology</i> , 2022, 13, 815356.	1.5	11
7293	Modeling the dynamics of energy imbalance: The free radical theory of aging and frailty revisited. <i>Free Radical Biology and Medicine</i> , 2022, 181, 235-240.	1.3	21
7294	Horizontal mtDNA transfer between cells is common during mouse development. <i>IScience</i> , 2022, 25, 103901.	1.9	7

#	ARTICLE	IF	CITATIONS
7295	Telomeres, aging, and cancer: the big picture. <i>Blood</i> , 2022, 139, 813-821.	0.6	30
7296	Associations of leucocyte telomere length with cardio-metabolic risk profile in a South African HIV-infected population. <i>Medicine (United States)</i> , 2022, 101, e28642.	0.4	0
7297	Endothelial Senescence and the Chronic Vascular Diseases: Challenges and Therapeutic Opportunities in Atherosclerosis. <i>Journal of Personalized Medicine</i> , 2022, 12, 215.	1.1	9
7298	Novel insights from a multiomics dissection of the Hayflick limit. <i>ELife</i> , 2022, 11, .	2.8	38
7299	Organelle dysfunction and its contribution to metabolic impairments in aging and age-related diseases. <i>Current Opinion in Systems Biology</i> , 2022, 30, 100416.	1.3	1
7300	Old blood from heterochronic parabionts accelerates vascular aging in young mice: transcriptomic signature of pathologic smooth muscle remodeling. <i>GeroScience</i> , 2022, 44, 953-981.	2.1	15
7301	Natural disaster and immunological aging in a nonhuman primate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
7302	The 90 plus: longevity and COVID-19 survival. <i>Molecular Psychiatry</i> , 2022, , .	4.1	2
7304	O impacto da COVID-19 na populaçãõ idosa com doençã pulmonar crãnica nãõ transmissãvel. <i>Fisioterapia Brasil</i> , 2022, 23, 128-151.	0.1	0
7305	MG132 Induces Progerin Clearance and Improves Disease Phenotypes in HGPS-like Patients's Cells. <i>Cells</i> , 2022, 11, 610.	1.8	3
7306	Genomic selection signatures in Brazilian sheep breeds reared in a tropical environment. <i>Livestock Science</i> , 2022, 258, 104865.	0.6	6
7307	Ribosomal Protein S6: A Potential Therapeutic Target against Cancer?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 48.	1.8	40
7308	Local non-pituitary growth hormone is induced with aging and facilitates epithelial damage. <i>Cell Reports</i> , 2021, 37, 110068.	2.9	12
7309	Molecular mechanisms and consequences of mitochondrial permeability transition. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 266-285.	16.1	174
7310	The flavonoid procyanidin C1 has senotherapeutic activity and increases lifespan in mice. <i>Nature Metabolism</i> , 2021, 3, 1706-1726.	5.1	99
7311	Profiling epigenetic age in single cells. <i>Nature Aging</i> , 2021, 1, 1189-1201.	5.3	59
7312	Emerging rejuvenation strategies"Reducing the biological age. <i>Aging Cell</i> , 2022, 21, e13538.	3.0	21
7313	Epigenetic therapy attenuates oxidative stress in BMSCs during ageing. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 375-384.	1.6	14

#	ARTICLE	IF	CITATIONS
7314	Inflammation, Oxidative Stress, Senescence in Atherosclerosis: Thioredoxine-1 as an Emerging Therapeutic Target. <i>International Journal of Molecular Sciences</i> , 2022, 23, 77.	1.8	28
7315	Human immunodeficiency virus and acquired immunodeficiency syndrome: recent developments and their implications for pediatric surgeons. <i>Seminars in Pediatric Surgery</i> , 1995, 4, 252-61.	0.5	0
7316	Deconstructing age reprogramming. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	2
7318	Pharmacological developments in antihypertensive treatment through nitric oxideâ€”cGMP modulation. <i>Advances in Pharmacology</i> , 2022, , 57-94.	1.2	4
7320	A geroscience approach for osteosarcopenia: Autophagy and senescence as therapeutic targets. , 2022, , 51-75.		0
7321	Systemic approaches in the anti-age direction: the role and possibilities of a diagnostic strategy. <i>Terapevt</i> , 2022, , 6-12.	0.0	0
7322	Does Modulation of an Epigenetic Clock Define a Geroprotector?. <i>Advances in Geriatric Medicine and Research</i> , 2022, 4, .	0.6	3
7323	Epidemiological Clinical and Histological Aspects of Gynecological and Breast Cancer in Pointe Noire (Congo Brazzaville). <i>Advances in Breast Cancer Research</i> , 2022, 11, 89-100.	0.1	1
7324	AI in Longevity Medicine. , 2022, , 1157-1168.		0
7325	OUP accepted manuscript. <i>Nucleic Acids Research</i> , 2022, , .	6.5	14
7326	A Multilevel Approach to the Causes of Genetic Instability in Stem Cells. , 2022, , 1-55.		0
7327	Capillaries as a Therapeutic Target for Heart Failure. <i>Journal of Atherosclerosis and Thrombosis</i> , 2022, 29, 971-988.	0.9	4
7328	Accelerated aging in mood disorders. , 2022, , 207-224.		0
7329	Psychobiotics in Health, Longevity, and Neurological Disorders. , 2022, , 17-60.		3
7330	4,4â€²-Dimethoxychalcone protects the skin from AAPH-induced senescence and UVB-induced photoaging by activating autophagy. <i>Food and Function</i> , 2022, 13, 4114-4129.	2.1	4
7331	Metformin in aging and aging-related diseases: clinical applications and relevant mechanisms. <i>Theranostics</i> , 2022, 12, 2722-2740.	4.6	45
7332	The Concept of Time: A Grand Unified Reaction Platform. <i>Journal of Modern Physics</i> , 2022, 13, 206-224.	0.3	0
7333	Potential senotherapeutic candidates and their combinations derived from transcriptional connectivity and network measures. <i>Informatics in Medicine Unlocked</i> , 2022, 30, 100920.	1.9	3

#	ARTICLE	IF	CITATIONS
7334	Cellular senescence and other aging mechanisms in bone and muscle. , 2022, , 19-37.		0
7335	Unraveling pathological mechanisms in neurological disorders: the impact of cell-based and organoid models. <i>Neural Regeneration Research</i> , 2022, 17, 2131.	1.6	6
7336	Effect of omega-3 fatty acids on the telomere length: A mini meta-analysis of clinical trials. <i>Biomolecular Concepts</i> , 2022, 13, 25-33.	1.0	11
7337	Frailty: The end of the osteosarcopenia continuum?. , 2022, , 239-253.		0
7338	An exposomic framework to uncover environmental drivers of aging. <i>Exposome</i> , 2022, 2, osac002.	1.2	12
7339	Micronucleus Assay in Lymphocytes for Human Biomonitoring and Clinical Studies. <i>Biomarkers in Disease</i> , 2022, , 1-24.	0.0	1
7342	Healthy aging and muscle function are positively associated with NAD+ abundance in humans. <i>Nature Aging</i> , 2022, 2, 254-263.	5.3	39
7343	Loss of heterochromatin and retrotransposon silencing as determinants in oocyte aging. <i>Aging Cell</i> , 2022, 21, e13568.	3.0	17
7344	Loss of chaperone-mediated autophagy is associated with low vertebral cancellous bone mass. <i>Scientific Reports</i> , 2022, 12, 3134.	1.6	6
7346	Themed issue: Inflammation, repair and ageing. <i>British Journal of Pharmacology</i> , 2022, 179, 1787-1789.	2.7	3
7347	Age-Related Hearing Loss: Sensory and Neural Etiology and Their Interdependence. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 814528.	1.7	20
7348	Post-GWAS functional analysis identifies CUX1 as a regulator of p16INK4a and cellular senescence. <i>Nature Aging</i> , 2022, 2, 140-154.	5.3	4
7349	Understanding the Unique Microenvironment in the Aging Liver. <i>Frontiers in Medicine</i> , 2022, 9, 842024.	1.2	10
7350	Synergistic Anti-Ageing through Senescent Cells Specific Reprogramming. <i>Cells</i> , 2022, 11, 830.	1.8	8
7351	Age-Related Differences in Structure and Function of Nasal Epithelial Cultures From Healthy Children and Elderly People. <i>Frontiers in Immunology</i> , 2022, 13, 822437.	2.2	5
7352	Integrating Environment and Aging Research: Opportunities for Synergy and Acceleration. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 824921.	1.7	14
7353	Targeting EDEM protects against ER stress and improves development and survival in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2022, 18, e1010069.	1.5	5
7354	Probiotics and their Metabolites Reduce Oxidative Stress in Middle-Aged Mice. <i>Current Microbiology</i> , 2022, 79, 104.	1.0	33

#	ARTICLE	IF	CITATIONS
7355	Green Tea Polyphenols Upregulate the Nrf2 Signaling Pathway and Suppress Oxidative Stress and Inflammation Markers in D-Galactose-Induced Liver Aging in Mice. <i>Frontiers in Nutrition</i> , 2022, 9, 836112.	1.6	6
7358	Integrating DNA Methylation Measures of Biological Aging into Social Determinants of Health Research. <i>Current Environmental Health Reports</i> , 2022, 9, 196-210.	3.2	35
7360	Age Related Osteoporosis: Targeting Cellular Senescence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2701.	1.8	33
7362	RNA-sequencing Reveals a Gene Expression Signature in Skeletal Muscle of a Mouse Model of Age-associated Postoperative Functional Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1939-1950.	1.7	2
7363	Ganoderma lucidum aqueous extract inducing PHGPx to inhibit membrane lipid hydroperoxides and regulate oxidative stress based on single-cell animal transcriptome. <i>Scientific Reports</i> , 2022, 12, 3139.	1.6	1
7364	MicroRNAs, Long Non-Coding RNAs, and Circular RNAs in the Redox Control of Cell Senescence. <i>Antioxidants</i> , 2022, 11, 480.	2.2	21
7365	Why Senescent Cells Are Resistant to Apoptosis: An Insight for Senolytic Development. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 822816.	1.8	40
7366	The Unfolded Protein Responses in Health, Aging, and Neurodegeneration: Recent Advances and Future Considerations. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 831116.	1.4	28
7368	Applying the exposome concept to working life health. <i>Environmental Epidemiology</i> , 2022, 6, e185.	1.4	15
7369	Sexual Dimorphism in Telomere Length in Childhood Autism. <i>Journal of Autism and Developmental Disorders</i> , 2022, , 1.	1.7	1
7371	The transcription factor Xrp1 orchestrates both reduced translation and cell competition upon defective ribosome assembly or function. <i>ELife</i> , 2022, 11, .	2.8	19
7372	Sirt1 Protects Subventricular Zone-Derived Neural Stem Cells from DNA Double-Strand Breaks and Contributes to Olfactory Function Maintenance in Aging Mice. <i>Stem Cells</i> , 2022, 40, 493-507.	1.4	8
7374	Flavonoidsâ€™ Natural Gifts to Promote Health and Longevity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2176.	1.8	37
7376	A Genome-Wide Screen Reveals That Endocytic Genes Are Important for Pma1p Asymmetry during Cell Division in <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2364.	1.8	2
7377	Circulating Mitochondrial DNA and Inter-Organelle Contact Sites in Aging and Associated Conditions. <i>Cells</i> , 2022, 11, 675.	1.8	6
7378	Antioxidant and Antiaging Properties of a Novel Synergistic Nutraceutical Complex: Readouts from an In Cellulo Study and an In Vivo Prospective, Randomized Trial. <i>Antioxidants</i> , 2022, 11, 468.	2.2	1
7379	Computational exploration of cellular communication in skin from emerging single-cell and spatial transcriptomic data. <i>Biochemical Society Transactions</i> , 2022, 50, 297-308.	1.6	10
7382	Epigenetic Regulation of Cellular Senescence. <i>Cells</i> , 2022, 11, 672.	1.8	43

#	ARTICLE	IF	CITATIONS
7383	Molecular Mechanisms of Immunosenescence and Inflammaging: Relevance to the Immunopathogenesis and Treatment of Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2021, 12, 811518.	1.1	16
7384	The relation between age and airway epithelial barrier function. <i>Respiratory Research</i> , 2022, 23, 43.	1.4	13
7385	Cardiovascular Inflammaging: Mechanisms and Translational Aspects. <i>Cells</i> , 2022, 11, 1010.	1.8	25
7386	A β promotes CD38 expression in senescent microglia in Alzheimer's disease. <i>Biological Research</i> , 2022, 55, 10.	1.5	10
7387	Iron Supplementation Delays Aging and Extends Cellular Lifespan through Potentiation of Mitochondrial Function. <i>Cells</i> , 2022, 11, 862.	1.8	10
7388	Ageing with HIV: Challenges and biomarkers. <i>EBioMedicine</i> , 2022, 77, 103896.	2.7	29
7389	Multi-omic rejuvenation of naturally aged tissues by a single cycle of transient reprogramming. <i>Aging Cell</i> , 2022, 21, e13578.	3.0	60
7390	GlyNAC (Glycine and N-Acetylcysteine) Supplementation in Mice Increases Length of Life by Correcting Glutathione Deficiency, Oxidative Stress, Mitochondrial Dysfunction, Abnormalities in Mitophagy and Nutrient Sensing, and Genomic Damage. <i>Nutrients</i> , 2022, 14, 1114.	1.7	30
7392	Emerging Roles for G Protein-Coupled Estrogen Receptor 1 in Cardio-Renal Health: Implications for Aging. <i>Biomolecules</i> , 2022, 12, 412.	1.8	3
7393	Iron Metabolism in Aging and Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3612.	1.8	29
7394	An Aging-Related Gene Signature-Based Model for Risk Stratification and Prognosis Prediction in Lung Squamous Carcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 770550.	1.8	16
7395	Redox signaling at the crossroads of human health and disease. <i>MedComm</i> , 2022, 3, e127.	3.1	44
7396	Regulatory Roles of Antimicrobial Peptides in the Nervous System: Implications for Neuronal Aging. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 843790.	1.8	4
7397	Biological mechanisms of aging predict age-related disease co-occurrence in patients. <i>Aging Cell</i> , 2022, 21, e13524.	3.0	26
7398	Mitochondrial ROS signalling requires uninterrupted electron flow and is lost during ageing in flies. <i>GeroScience</i> , 2022, 44, 1961-1974.	2.1	10
7399	Impact of Chronic Conditions and Dementia in Rural West Texas: A Healthy Aging Study. <i>Journal of Alzheimer's Disease</i> , 2022, , 1-17.	1.2	2
7400	India's Launch Into New Space: Leveraging the Constellation of Information Technology, Pharma, and Biotech. <i>New Space</i> , 2022, 10, 20-32.	0.4	1
7401	Association between Telomere Length and Pediatric Obesity: A Systematic Review. <i>Nutrients</i> , 2022, 14, 1244.	1.7	2

#	ARTICLE	IF	CITATIONS
7402	Nintedanib ameliorates oxidized low-density lipoprotein -induced inflammation and cellular senescence in vascular endothelial cells. <i>Bioengineered</i> , 2022, 13, 6196-6207.	1.4	13
7403	DNA Methylation Aberrant in Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2022, 13, 815977.	1.6	12
7405	Mitochondrial Extracellular Vesicles in CNS Disorders: New Frontiers in Understanding the Neurological Disorders of the Brain. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 840364.	1.6	6
7406	Maintenance of Chronological Aging Features in Culture of Normal Human Dermal Fibroblasts from Old Donors. <i>Cells</i> , 2022, 11, 858.	1.8	11
7407	Comment on: "Assessment of Metabolic Flexibility by Means of Measuring Blood Lactate, Fat, and Carbohydrate Oxidation Responses to Exercise in Professional Endurance Athletes and Less-Fit Individuals". <i>Sports Medicine</i> , 2022, , 1.	3.1	1
7408	Inflammaging at the Time of COVID-19. <i>Clinics in Geriatric Medicine</i> , 2022, 38, 473-481.	1.0	14
7409	Aging of intestinal stem cells. <i>Stem Cell Reports</i> , 2022, 17, 734-740.	2.3	23
7411	The association between a lifestyle score, socioeconomic status, and COVID-19 outcomes within the UK Biobank cohort. <i>BMC Infectious Diseases</i> , 2022, 22, 273.	1.3	20
7412	Acceleration of the DNA methylation clock among lynch syndrome-associated mutation carriers. <i>BMC Medical Genomics</i> , 2022, 15, 45.	0.7	0
7413	Temperature-Dependent Regulation of Proteostasis and Longevity. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	8
7414	Geroscience-guided repurposing of FDA-approved drugs to target aging: A proposed process and prioritization. <i>Aging Cell</i> , 2022, 21, e13596.	3.0	32
7415	Fatigue in the COVID-19 pandemic. <i>The Lancet Healthy Longevity</i> , 2022, 3, e128-e129.	2.0	19
7416	Cellular stress signaling and the unfolded protein response in retinal degeneration: mechanisms and therapeutic implications. <i>Molecular Neurodegeneration</i> , 2022, 17, 25.	4.4	26
7417	Myc Supports Self-Renewal of Basal Cells in the Esophageal Epithelium. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 786031.	1.8	2
7420	Glutathione deficiency decreases lipid droplet stores and increases reactive oxygen species in mouse oocytes. <i>Biology of Reproduction</i> , 2022, 106, 1218-1231.	1.2	6
7421	Evaluating the Role of Probiotics in the Prevention and Management of Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3628.	1.8	1
7422	Ageing induces tissue-specific transcriptomic changes in <i>Caenorhabditis elegans</i> . <i>EMBO Journal</i> , 2022, 41, e109633.	3.5	22
7423	The Sickle Cell Disease Functional Assessment (SCD-FA) tool: a feasibility pilot study. <i>Pilot and Feasibility Studies</i> , 2022, 8, 53.	0.5	6

#	ARTICLE	IF	CITATIONS
7425	Searching for a Longevity Food, We Bump into <i>Hericium erinaceus</i> Primordium Rich in Ergothioneine: The "Longevity Vitamin" Improves Locomotor Performances during Aging. <i>Nutrients</i> , 2022, 14, 1177.	1.7	16
7426	Association of Energy and Macronutrients Intake with S-Klotho Plasma Levels in Middle-Aged Sedentary Adults: A Cross-Sectional Study. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 360-367.	1.5	4
7427	Dysmetabolism and Neurodegeneration: Trick or Treat?. <i>Nutrients</i> , 2022, 14, 1425.	1.7	8
7428	Phase II trial of cytarabine and mitoxantrone with devimistat in acute myeloid leukemia. <i>Nature Communications</i> , 2022, 13, 1673.	5.8	13
7430	HREM, RNAseq and Cell Cycle Analyses Reveal the Role of the G2/M-Regulatory Protein, WEE1, on the Survivability of Chicken Embryos during Diapause. <i>Biomedicines</i> , 2022, 10, 779.	1.4	5
7431	A risk model of 10 aging-related genes for predicting survival and immune response in triple-negative breast cancer. <i>Cancer Medicine</i> , 2022, , .	1.3	2
7432	Telomeres, aging and reproduction. <i>Current Opinion in Obstetrics and Gynecology</i> , 2022, 34, 151-158.	0.9	9
7433	Regulation of Aging and Longevity by Ion Channels and Transporters. <i>Cells</i> , 2022, 11, 1180.	1.8	4
7434	Experimental demonstration of prenatal programming of mitochondrial aerobic metabolism lasting until adulthood. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212679.	1.2	16
7435	Hijacking Cellular Stress Responses to Promote Lifespan. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	15
7437	Hallmarks of aging-based dual-purpose disease and age-associated targets predicted using PandaOmics AI-powered discovery engine. <i>Aging</i> , 2022, 14, 2475-2506.	1.4	33
7439	Age-associated decline of MondoA drives cellular senescence through impaired autophagy and mitochondrial homeostasis. <i>Cell Reports</i> , 2022, 38, 110444.	2.9	27
7440	Clonal hematopoiesis of indeterminate potential-related epigenetic age acceleration correlates with clonal hematopoiesis of indeterminate potential clone size in patients with high morbidity. <i>Haematologica</i> , 2022, 107, 1703-1708.	1.7	8
7441	m6A hypomethylation of DNMT3B regulated by ALKBH5 promotes intervertebral disc degeneration via E4F1 deficiency. <i>Clinical and Translational Medicine</i> , 2022, 12, e765.	1.7	27
7442	Does IGF-1 Shape Life-History Trade-Offs? Opposite Associations of IGF-1 With Telomere Length and Body Size in a Free-Living Bird. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	6
7443	Effect of oxidative stress on telomere maintenance in aortic smooth muscle cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166397.	1.8	7
7444	The role of NAD and NAD precursors on longevity and lifespan modulation in the budding yeast, <i>Saccharomyces cerevisiae</i> . <i>Biogerontology</i> , 2022, 23, 169-199.	2.0	7
7445	Histone Deacetylases 1 and 2 in Memory Function. <i>ACS Chemical Neuroscience</i> , 2022, 13, 848-858.	1.7	14

#	ARTICLE	IF	CITATIONS
7446	COPD is Associated with Epigenome-wide Differential Methylation in BAL Lung Cells. American Journal of Respiratory Cell and Molecular Biology, 2022, , .	1.4	6
7447	Longevity interventions temporally scale healthspan in Caenorhabditis elegans. IScience, 2022, 25, 103983.	1.9	15
7448	Emerging Role of HDACs in Regeneration and Ageing in the Peripheral Nervous System: Repair Schwann Cells as Pivotal Targets. International Journal of Molecular Sciences, 2022, 23, 2996.	1.8	13
7450	Early Adversity and Accelerated Brain Aging: A Mini-Review. Frontiers in Molecular Neuroscience, 2022, 15, 822917.	1.4	8
7451	Role of Molecular Hydrogen in Ageing and Ageing-Related Diseases. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-17.	1.9	15
7452	Genome-wide transcript and protein analysis highlights the role of protein homeostasis in the aging mouse heart. Genome Research, 2022, , .	2.4	12
7453	Artificial Mitochondrial Transfer (AMT) for the Management of Age-related Musculoskeletal Degenerative Disorders: An Emerging Avenue for Bone and Cartilage Metabolism Regulation. Stem Cell Reviews and Reports, 2022, , 1.	1.7	2
7454	Senescence-Associated Cell Transition and Interaction (SACTAI): A Proposed Mechanism for Tissue Aging, Repair, and Degeneration. Cells, 2022, 11, 1089.	1.8	7
7455	Inflammatory Caspase Activity Mediates HMGB1 Release and Differentiation in Myoblasts Affected by Peripheral Arterial Disease. Cells, 2022, 11, 1163.	1.8	3
7457	A new monocyte epigenetic clock reveals nonlinear effects of alcohol consumption on biological aging in three independent cohorts (<i>N</i>=2242). Alcoholism: Clinical and Experimental Research, 2022, 46, 736-748.	1.4	9
7458	Reactive Oxygen Species: Angels and Demons in the Life of a Neuron. NeuroSci, 2022, 3, 130-145.	0.4	23
7459	Osteoporosis and periodontal diseases “An update on their association and mechanistic links. Periodontology 2000, 2022, 89, 99-113.	6.3	79
7460	Baicalein may act as a caloric restriction mimetic candidate to improve the anti-oxidant profile in a natural rodent model of aging. Rejuvenation Research, 2022, , .	0.9	1
7461	Tom70-based transcriptional regulation of mitochondrial biogenesis and aging. ELife, 2022, 11, .	2.8	16
7462	Implications of Sphingolipids on Aging and Age-Related Diseases. Frontiers in Aging, 2022, 2, .	1.2	7
7463	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. Nature, 2022, 603, 309-314.	13.7	51
7464	Ageing-Related Behavioral, Adiposity, and Glucose Impairments and Their Association following Prenatal Alcohol Exposure in the C57BL/6J Mouse. Nutrients, 2022, 14, 1438.	1.7	6
7465	Leveraging Spaceflight to Advance Cardiovascular Research on Earth. Circulation Research, 2022, 130, 942-957.	2.0	17

#	ARTICLE	IF	CITATIONS
7466	Mitochondrial dysfunction and vascular aging in comorbid pathology. <i>Pacific Medical Journal</i> , 2022, , 10-16.	0.0	2
7467	Mitochondrial uncoupling attenuates sarcopenic obesity by enhancing skeletal muscle mitophagy and quality control. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1821-1836.	2.9	25
7468	IGF-1 Gene Transfer Modifies Inflammatory Environment and Gene Expression in the Caudate-Putamen of Aged Female Rat Brain. <i>Molecular Neurobiology</i> , 2022, 59, 3337-3352.	1.9	2
7469	The effect of nutrient deprivation on proteasome activity in 4-week-old mice and 24-week-old mice. <i>Journal of Nutritional Biochemistry</i> , 2022, , 108993.	1.9	0
7470	Comment on: "What is aging-related disease? An epidemiological perspective" by Le Couteur and Thillainadesan. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, , .	1.7	0
7471	Updated Understanding of the Causes of Cancer, and a New Theoretical Perspective of Combinational Cancer Therapies, a Hypothesis. <i>DNA and Cell Biology</i> , 2022, , .	0.9	5
7472	Insights into the Anti-Aging Prevention and Diagnostic Medicine and Healthcare. <i>Diagnostics</i> , 2022, 12, 819.	1.3	2
7474	Association Between Riboflavin Intake and Telomere Length: A Cross-Sectional Study From National Health and Nutrition Examination Survey 1999-2002. <i>Frontiers in Nutrition</i> , 2022, 9, 744397.	1.6	4
7475	Reduced expression of mitochondrial complex I subunit Ndufs2 does not impact healthspan in mice. <i>Scientific Reports</i> , 2022, 12, 5196.	1.6	10
7476	Evolutionarily conserved transcription factors as regulators of longevity and targets for geroprotection. <i>Physiological Reviews</i> , 2022, 102, 1449-1494.	13.1	17
7477	Targeting Myotonic Dystrophy Type 1 with Metformin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2901.	1.8	13
7478	Mechanism of Longevity Extension of <i>Caenorhabditis elegans</i> Induced by <i>Schizophyllum commune</i> Fermented Supernatant With Added <i>Radix Puerariae</i> . <i>Frontiers in Nutrition</i> , 2022, 9, 847064.	1.6	15
7479	Biological ageing with HIV infection: evaluating the geroscience hypothesis. <i>The Lancet Healthy Longevity</i> , 2022, 3, e194-e205.	2.0	20
7480	Glucose Metabolism and Aging of Hematopoietic Stem and Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3028.	1.8	6
7481	Enhanced expression of autophagy-related p62 without increased deposits of neurodegeneration-associated proteins in glioblastoma and surrounding tissue " An autopsy-based study. <i>Brain Pathology</i> , 2022, 32, e13058.	2.1	5
7482	WTAP-mediated m6A modification of lncRNA NORAD promotes intervertebral disc degeneration. <i>Nature Communications</i> , 2022, 13, 1469.	5.8	55
7483	El asma en las personas mayores tambi�n existe. <i>Archivos De Bronconeumologia</i> , 2022, 58, 390-391.	0.4	2
7484	Brain Metabolic Alterations in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3785.	1.8	28

#	ARTICLE	IF	CITATIONS
7485	Solving neurodegeneration: common mechanisms and strategies for new treatments. <i>Molecular Neurodegeneration</i> , 2022, 17, 23.	4.4	83
7486	Mitigating Effect of Estrogen in Alzheimer's Disease-Mimicking Cerebral Organoid. <i>Frontiers in Neuroscience</i> , 2022, 16, 816174.	1.4	10
7487	Regulation of the urea cycle by CPS1-GlcNAcylation in response to dietary restriction and aging. <i>Journal of Molecular Cell Biology</i> , 2022, 14, .	1.5	7
7488	Insights Into the Links Between Proteostasis and Aging From <i>C. elegans</i> . <i>Frontiers in Aging</i> , 2022, 3, .	1.2	12
7489	Gut microbiota drives age-related oxidative stress and mitochondrial damage in microglia via the metabolite N6-carboxymethyllysine. <i>Nature Neuroscience</i> , 2022, 25, 295-305.	7.1	84
7490	Assessment of Telomere Length and Mitochondrial DNA Copy Number in Granulosa Cells as Predictors of Aneuploidy Rate in Young Patients. <i>Journal of Clinical Medicine</i> , 2022, 11, 1824.	1.0	6
7491	Clonal Hematopoiesis Analyses in Clinical, Epidemiologic, and Genetic Aging Studies to Unravel Underlying Mechanisms of Age-Related Dysfunction in Humans. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	3
7492	Understanding exposures and latent disease risk within the National Institute of Environmental Health Sciences Superfund Research Program. <i>Experimental Biology and Medicine</i> , 2022, 247, 529-537.	1.1	1
7493	AAV-mediated expression of secreted and transmembrane Klotho isoforms rescues relevant aging hallmarks in senescent SAMP8 mice. <i>Aging Cell</i> , 2022, 21, e13581.	3.0	10
7494	Destabilizing heterochromatin by APOE mediates senescence. <i>Nature Aging</i> , 2022, 2, 303-316.	5.3	36
7495	Cytokine-Induced Senescence in the Tumor Microenvironment and Its Effects on Anti-Tumor Immune Responses. <i>Cancers</i> , 2022, 14, 1364.	1.7	13
7496	Characterization of Aging-Related Genes to Predict Prognosis and Evaluate the Tumor Immune Microenvironment in Malignant Melanoma. <i>Journal of Oncology</i> , 2022, 2022, 1-17.	0.6	11
7497	Effect of Chronic Moderate Caloric Restriction on the Reproductive Function in Aged Male Wistar Rats. <i>Nutrients</i> , 2022, 14, 1256.	1.7	6
7498	Physical Resilience: A novel approach for healthy aging. <i>Journal of Frailty, Sarcopenia and Falls</i> , 2022, 07, 29-31.	0.4	4
7499	The Role of MicroRNAs in Proteostasis Decline and Protein Aggregation during Brain and Skeletal Muscle Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3232.	1.8	8
7500	The flavonoid corylin exhibits lifespan extension properties in mouse. <i>Nature Communications</i> , 2022, 13, 1238.	5.8	10
7501	International Urogynecological Consultation (IUC): pathophysiology of pelvic organ prolapse (POP). <i>International Urogynecology Journal</i> , 2022, 33, 1699-1710.	0.7	16
7502	Cellular senescence, rejuvenation and potential immortality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212434.	1.2	5

#	ARTICLE	IF	CITATIONS
7503	Surgery, Chemotherapy and Radiotherapy May Promote Cancer Growth Speeds and Shorten Patient Lives. <i>Global Journal of Cancer Therapy</i> , 2022, 8, 046-049.	0.4	2
7504	Inhibition of activin A receptor signalling attenuates age-related pathological cardiac remodelling. <i>DMM Disease Models and Mechanisms</i> , 2022, , .	1.2	0
7505	Late-life fitness gains and reproductive death in <i>Cardiocondyla obscurior</i> ants. <i>ELife</i> , 2022, 11, .	2.8	14
7506	A discourse on aging in contemporary Ghana. <i>Cogent Social Sciences</i> , 2022, 8, .	0.5	2
7507	Markers of rejection of a lung allograft: state of the art. <i>Biomarkers in Medicine</i> , 2022, 16, 483-498.	0.6	2
7509	Tumor cell malignancy: A complex trait built through reciprocal interactions between tumors and tissue-body system. <i>IScience</i> , 2022, 25, 104217.	1.9	6
7510	Itaconate prolongs the healthy lifespan by activating UPRmt in <i>Caenorhabditis elegans</i> . <i>European Journal of Pharmacology</i> , 2022, 923, 174951.	1.7	4
7511	Comparative transcriptomic and metagenomic analyses reveal key factors affecting the growth rate of Red Swamp Crayfish (<i>Procambarus clarkii</i>). <i>Aquaculture Reports</i> , 2022, 23, 101098.	0.7	0
7512	Senescent chondrogenic progenitor cells derived from articular cartilage of knee osteoarthritis patients contributes to senescence-associated secretory phenotype via release of IL-6 and IL-8. <i>Acta Histochemica</i> , 2022, 124, 151867.	0.9	9
7514	Ultrastructural and proteomic profiling of mitochondria-associated endoplasmic reticulum membranes reveal aging signatures in striated muscle. <i>Cell Death and Disease</i> , 2022, 13, 296.	2.7	13
7515	Adipose tissue aging: mechanisms and therapeutic implications. <i>Cell Death and Disease</i> , 2022, 13, 300.	2.7	59
7516	Metabolic Flexibility and Mechanical Efficiency in Women Over-60. <i>Frontiers in Physiology</i> , 2022, 13, 869534.	1.3	3
7517	Association of Treatable Health Conditions During Adolescence With Accelerated Aging at Midlife. <i>JAMA Pediatrics</i> , 2022, 176, 392.	3.3	13
7518	The spectrum of sex differences in cancer. <i>Trends in Cancer</i> , 2022, 8, 303-315.	3.8	38
7519	The Mechanism of Bone Remodeling After Bone Aging. <i>Clinical Interventions in Aging</i> , 2022, Volume 17, 405-415.	1.3	18
7520	Aryl Hydrocarbon Receptor: From Homeostasis to Tumor Progression. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 884004.	1.8	8
7521	Rural-urban differences in food insecurity and associated cognitive impairment among older adults: findings from a nationally representative survey. <i>BMC Geriatrics</i> , 2022, 22, 287.	1.1	13
7523	Factors Influencing Change in Brain-Predicted Age Difference in a Cohort of Healthy Older Individuals. <i>Journal of Alzheimer's Disease Reports</i> , 2022, 6, 163-176.	1.2	3

#	ARTICLE	IF	CITATIONS
7524	A critical evaluation of risk to reward ratio of quercetin supplementation for COVID-19 and associated comorbid conditions. <i>Phytotherapy Research</i> , 2022, 36, 2394-2415.	2.8	15
7525	The Second Euro Geroscience Conference: Highlights of the Current Advances and Challenges in the Field of Geroscience. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 417-418.	1.5	0
7526	Exercise, healthy ageing, and the potential role of small extracellular vesicles. <i>Journal of Physiology</i> , 2023, 601, 4937-4951.	1.3	9
7527	The Role of AMP-activated Protein Kinase in Oxytosis/Ferroptosis: Protector or Potentiator?. <i>Antioxidants and Redox Signaling</i> , 2022, , .	2.5	4
7528	Pharmacological Depletion of Microglia Leads to a Dose-Dependent Reduction in Inflammation and Senescence in the Aged Murine Brain. <i>Neuroscience</i> , 2022, 488, 1-9.	1.1	14
7529	Structural basis for the mechanisms of human presequence protease conformational switch and substrate recognition. <i>Nature Communications</i> , 2022, 13, 1833.	5.8	4
7530	Multi-omic rejuvenation of human cells by maturation phase transient reprogramming. <i>ELife</i> , 2022, 11, .	2.8	75
7531	Characterization of cellular senescence in doxorubicin-induced aging mice. <i>Experimental Gerontology</i> , 2022, 163, 111800.	1.2	17
7532	Early SRC activation skews cell fate from apoptosis to senescence. <i>Science Advances</i> , 2022, 8, eabm0756.	4.7	22
7533	Mechanism of Action of Cyanidin 3-O-Glucoside in Gluconeogenesis and Oxidative Stress-Induced Cancer Cell Senescence. <i>Antioxidants</i> , 2022, 11, 749.	2.2	7
7535	Dihydro- β -agarofuran-type sesquiterpenoids from the seeds of <i>Celastrus virens</i> with lifespan-extending effect on the nematode <i>Caenorhabditis elegans</i> . <i>F\ddot{A}-totera p\ddot{A}-\ddot{A}t</i> , 2022, 158, 105165.	1.1	1
7536	Genome Integrity and Neurological Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4142.	1.8	6
7537	Fornix volumetric increase and microglia morphology contribute to spatial and recognition-like memory decline in ageing male mice. <i>NeuroImage</i> , 2022, 252, 119039.	2.1	4
7538	Minocycline treatment improves proteostasis during <i>Drosophila</i> aging via autophagy mediated by FOXO and Hsp70. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112803.	2.5	6
7539	Myocardium-specific <i>Isca1</i> knockout causes iron metabolism disorder and myocardial oncosis in rat. <i>Life Sciences</i> , 2022, 297, 120485.	2.0	5
7540	Searching for the link between inflammaging and sarcopenia. <i>Ageing Research Reviews</i> , 2022, 77, 101611.	5.0	25
7541	Genetic mechanisms of aging in plants: What can we learn from them?. <i>Ageing Research Reviews</i> , 2022, 77, 101601.	5.0	6
7542	Noncoding RNAs in age-related cardiovascular diseases. <i>Ageing Research Reviews</i> , 2022, 77, 101610.	5.0	33

#	ARTICLE	IF	CITATIONS
7543	Sweet tea (<i>Rubus Suavissimus</i> S. Lee) polysaccharides promote the longevity of <i>Caenorhabditis elegans</i> through autophagy-dependent insulin and mitochondrial pathways. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 883-892.	3.6	15
7544	Osteoarthritis Pathophysiology. <i>Clinics in Geriatric Medicine</i> , 2022, 38, 193-219.	1.0	17
7545	Oxysterols are potential physiological regulators of ageing. <i>Ageing Research Reviews</i> , 2022, 77, 101615.	5.0	21
7546	Angiotensin-(1 \hat{a} ⁷), a protective peptide against vascular aging. <i>Peptides</i> , 2022, 152, 170775.	1.2	11
7547	Association between racial/ethnic discrimination and pubertal development in early adolescence. <i>Psychoneuroendocrinology</i> , 2022, 140, 105727.	1.3	9
7548	Heart failure with preserved ejection fraction: An age-related condition. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 167, 83-84.	0.9	4
7549	Immunosenescence and COVID-19. <i>Mechanisms of Ageing and Development</i> , 2022, 204, 111672.	2.2	35
7550	The effect of stress on biophysical characteristics of misfolded protein aggregates in living <i>Saccharomyces cerevisiae</i> cells. <i>Experimental Gerontology</i> , 2022, 162, 111755.	1.2	5
7551	Correlation between reduced telomere length and behavioural and emotional problems in left-behind children in a rural area in China. <i>Psychoneuroendocrinology</i> , 2022, 140, 105732.	1.3	1
7552	Mechano-signaling via Piezo1 prevents activation and p53-mediated senescence of muscle stem cells. <i>Redox Biology</i> , 2022, 52, 102309.	3.9	26
7553	Palmitate induces DNA damage and senescence in human adipocytes in vitro that can be alleviated by oleic acid but not inorganic nitrate. <i>Experimental Gerontology</i> , 2022, 163, 111798.	1.2	8
7554	Advances in pathogenesis and therapeutic strategies for osteoporosis. , 2022, 237, 108168.		125
7555	GH and Senescence: A New Understanding of Adult GH Action. <i>Journal of the Endocrine Society</i> , 2022, 6, bvab177.	0.1	2
7556	Biomarkers of ageing in the study of occupational harm impacts (literature review). <i>Gigiiena I Sanitaria</i> , 2021, 100, 1328-1332.	0.1	0
7557	Interaction of aging with lipoxigenase deficiency initiates hypersplenism, cardiac dysfunction, and profound leukocyte directed non-resolving inflammation. <i>GeroScience</i> , 2021, , 1.	2.1	0
7558	Metabolomic Profiles of Mouse Tissues Reveal an Interplay between Aging and Energy Metabolism. <i>Metabolites</i> , 2022, 12, 17.	1.3	10
7559	Relationship of Fat Mass Index and Fat Free Mass Index With Body Mass Index and Association With Function, Cognition and Sarcopenia in Pre-Frail Older Adults. <i>Frontiers in Endocrinology</i> , 2021, 12, 765415.	1.5	29
7560	Loss of ATF4 leads to functional aging-like attrition of adult hematopoietic stem cells. <i>Science Advances</i> , 2021, 7, eabj6877.	4.7	11

#	ARTICLE	IF	CITATIONS
7561	Characterization of Stress Responses in a Drosophila Model of Werner Syndrome. <i>Biomolecules</i> , 2021, 11, 1868.	1.8	5
7562	Systemic inflammation and emotional responses during the COVID-19 pandemic. <i>Translational Psychiatry</i> , 2021, 11, 626.	2.4	17
7564	Potential of nanoparticles and nanopolymers in treatment of age-associated diseases. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 045008.	0.7	0
7565	Ageing-related markers and risks of cancer and cardiovascular disease: a prospective study in the EPIC-Heidelberg cohort. <i>European Journal of Epidemiology</i> , 2022, 37, 49-65.	2.5	11
7566	Interplay between Inflammaging, Frailty and Nutrition in Covid-19: Preventive and Adjuvant Treatment Perspectives. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 67-76.	1.5	10
7567	Cancer-related accelerated ageing and biobehavioural modifiers: a framework for research and clinical care. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 173-187.	12.5	26
7568	Molecular markers of DNA repair and brain metabolism correlate with cognition in centenarians. <i>GeroScience</i> , 2022, 44, 103-125.	2.1	8
7569	Misexpression of genes lacking CpG islands drives degenerative changes during aging. <i>Science Advances</i> , 2021, 7, eabj9111.	4.7	8
7571	Retinal drusen in patients with chronic myeloproliferative blood cancers are associated with an increased proportion of senescent T cells and signs of an aging immune system. <i>Aging</i> , 2021, 13, 25763-25777.	1.4	6
7572	Modern understanding of the pathogenesis of basal cell skin cancer. <i>Vestnik Dermatologii i Venerologii</i> , 2021, 97, 38-51.	0.2	4
7574	Microglia Impede Oligodendrocyte Generation in Aged Brain. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6813-6831.	1.6	11
7575	The mTOR-lysosome axis at the centre of ageing. <i>FEBS Open Bio</i> , 2022, 12, 739-757.	1.0	33
7576	Advances in relationship between cell senescence and atherosclerosis. <i>Zhejiang Da Xue Xue Bao Yi Xue Ban = Journal of Zhejiang University Medical Sciences</i> , 2021, 51, 95-101.	0.1	1
7577	Chemically induced senescence in human stem cell-derived neurons promotes phenotypic presentation of neurodegeneration. <i>Aging Cell</i> , 2022, 21, e13541.	3.0	10
7578	The Mitochondrial Antioxidant Sirtuin3 Cooperates with Lipid Metabolism to Safeguard Neurogenesis in Aging and Depression. <i>Cells</i> , 2022, 11, 90.	1.8	16
7579	Pathophysiology of Circulating Biomarkers and Relationship With Vascular Aging: A Review of the Literature From VascAgeNet Group on Circulating Biomarkers, European Cooperation in Science and Technology Action 18216. <i>Frontiers in Physiology</i> , 2021, 12, 789690.	1.3	11
7580	New insights of epigenetics in vascular and cellular senescence. <i>Journal of Translational Internal Medicine</i> , 2021, 9, 239-248.	1.0	14
7581	Bidirectional Association Between Sleep and Brain Atrophy in Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 726662.	1.7	1

#	ARTICLE	IF	CITATIONS
7583	Ionizing Radiation-Induced Brain Cell Aging and the Potential Underlying Molecular Mechanisms. <i>Cells</i> , 2021, 10, 3570.	1.8	17
7584	The 100 Most Cited Publications in Aging Research: A Bibliometric Analysis. <i>Electronic Journal of General Medicine</i> , 2021, 19, em342.	0.3	5
7585	Non-surgical treatments for basal cell skin cancer. <i>Vestnik Dermatologii i Venerologii</i> , 2021, 97, 20-32.	0.2	2
7586	Exercise as a Peripheral Circadian Clock Resynchronizer in Vascular and Skeletal Muscle Aging. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12949.	1.2	16
7587	Integrated Multi-Omics for Novel Aging Biomarkers and Antiaging Targets. <i>Biomolecules</i> , 2022, 12, 39.	1.8	20
7588	Mitophagy in aging and longevity. <i>IUBMB Life</i> , 2022, 74, 296-316.	1.5	20
7589	Cryptomphalus aspersa Eggs Extract Potentiates Human Epidermal Stem Cell Regeneration and Amplification. <i>Cosmetics</i> , 2022, 9, 2.	1.5	1
7590	Germ cell apoptosis is critical to maintain <i>Caenorhabditis elegans</i> offspring viability in stressful environments. <i>PLoS ONE</i> , 2021, 16, e0260573.	1.1	12
7591	Mechanisms and Regulation of Cellular Senescence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13173.	1.8	116
7592	Ageing, Age-Related Cardiovascular Risk and the Beneficial Role of Natural Components Intake. <i>International Journal of Molecular Sciences</i> , 2022, 23, 183.	1.8	14
7594	Biliary Epithelial Senescence in Liver Disease: There Will Be SASP. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 803098.	1.6	15
7596	Mesenchymal Stem Cell Senescence and Osteogenesis. <i>Medicina (Lithuania)</i> , 2022, 58, 61.	0.8	7
7597	Age-dependent expression changes of circadian system-related genes reveal a potentially conserved link to aging. <i>Aging</i> , 2021, 13, 25694-25716.	1.4	5
7598	Isolation of an Extract from the Soft Coral Symbiotic Microorganism <i>Salinispora arenicola</i> Exerting Cytoprotective and Anti-Aging Effects. <i>Current Issues in Molecular Biology</i> , 2022, 44, 14-30.	1.0	1
7599	An Information-Theoretic Framework for Identifying Age-Related Genes Using Human Dermal Fibroblast Transcriptome Data. , 2021, , .		1
7600	Differential Dose- and Tissue-Dependent Effects of foxo on Aging, Metabolic and Proteostatic Pathways. <i>Cells</i> , 2021, 10, 3577.	1.8	5
7601	Telomeres and Cancer. <i>Life</i> , 2021, 11, 1405.	1.1	11
7602	D-Galactose-Induced Accelerated Aging Model on Auditory Cortical Neurons by Regulating Oxidative Stress and Apoptosis in Vitro. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 13-22.	1.5	7

#	ARTICLE	IF	CITATIONS
7603	Loss of laminâ€B1 and defective nuclear morphology are hallmarks of astrocyte senescence in vitro and in the aging human hippocampus. <i>Aging Cell</i> , 2022, 21, e13521.	3.0	53
7606	Metabolomics Study of Isocaloric Different Dietary Patterns on the Life Span in Healthy Population. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 2111-2123.	1.3	3
7607	Positive Selection and Enhancer Evolution Shaped Lifespan and Body Mass in Great Apes. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	14
7608	Effects of chronic dietary nitrate supplementation on longevity, vascular function and cancer incidence in rats. <i>Redox Biology</i> , 2021, 48, 102209.	3.9	8
7609	Directly Reprogrammed Human Neurons to Understand Age-Related Energy Metabolism Impairment and Mitochondrial Dysfunction in Healthy Aging and Neurodegeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	4
7611	Kangal Ã¶bân KÃ¶peklerinde YaÅŸ ve Cinsiyetin BazÃ± Hematolojik Parametreler ve Eritrosit Ozmotik KÃ±rÃ±lganlÃ±k Ãœzerine Etkisi. <i>Ataturk Universitesi Veteriner Bilimleri Dergisi</i> , 2021, 16, 298-305.	0.0	1
7613	Translational control in cell ageing: an update. <i>Biochemical Society Transactions</i> , 2021, 49, 2853-2869.	1.6	13
7615	Comparative proteomic profiling reveals a pathogenic roleÃ¢for the OÃ¢GlcNAcylated AIMP2Ã¢“PARP1 complex in agingÃ¢related hepatic steatosis in mice. <i>FEBS Letters</i> , 2022, 596, 128-145.	1.3	1
7616	Metabolic syndrome components and leukocyte telomere length in patients with major depressive disorder. <i>World Journal of Biological Psychiatry</i> , 2022, 23, 483-492.	1.3	7
7617	Cellular Senescence in Bone. <i>Physiology</i> , 0, , .	4.0	0
7618	Molecular damage in aging. <i>Nature Aging</i> , 2021, 1, 1096-1106.	5.3	51
7619	Genetic basis of cardiovascular aging is at the core of human longevity. , 2022, 2, 25.		0
7621	Differential Role of Sex and Age in the Synaptic Transmission of Degus (<i>Octodon degus</i>). <i>Frontiers in Integrative Neuroscience</i> , 2022, 16, 799147.	1.0	1
7622	A New Framework for Investigating the Biological Basis of Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 5]: Mechanical Stress, Vulnerability and Time. <i>Global Spine Journal</i> , 2022, 12, 78S-96S.	1.2	36
7623	The telomere-mitochondrial axis of aging in newborns. <i>Aging</i> , 2022, 14, 1627-1650.	1.4	9
7624	Identification of New Biological Pathways Involved in Skin Aging From the Analysis of French Women Genome-Wide Data. <i>Frontiers in Genetics</i> , 2022, 13, 836581.	1.1	3
7625	Postbiotics as the new frontier in food and pharmaceutical research. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 8375-8402.	5.4	41
7626	Telomerase deficiency reflects age-associated changes in CD4+ T cells. <i>Immunity and Ageing</i> , 2022, 19, 16.	1.8	11

#	ARTICLE	IF	CITATIONS
7627	Pyroptosis and Sarcopenia: Frontier Perspective of Disease Mechanism. <i>Cells</i> , 2022, 11, 1078.	1.8	13
7628	Does Inflammation Contribute to Cancer Incidence and Mortality during Aging? A Conceptual Review. <i>Cancers</i> , 2022, 14, 1622.	1.7	6
7629	Cellular Senescence: Molecular Targets, Biomarkers, and Senolytic Drugs. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4168.	1.8	36
7630	Effects of Vitamin D on Fertility, Pregnancy and Polycystic Ovary Syndrome—A Review. <i>Nutrients</i> , 2022, 14, 1649.	1.7	15
7631	Oral Administration of Nicotinamide Mononucleotide Is Safe and Efficiently Increases Blood Nicotinamide Adenine Dinucleotide Levels in Healthy Subjects. <i>Frontiers in Nutrition</i> , 2022, 9, 868640.	1.6	32
7632	Limited proteolysis—mass spectrometry reveals aging-associated changes in cerebrospinal fluid protein abundances and structures. <i>Nature Aging</i> , 2022, 2, 379-388.	5.3	15
7633	How does maternal age affect genomic stability in the offspring?. <i>Aging Cell</i> , 2022, , e13612.	3.0	5
7634	Role of sleep quality in the acceleration of biological aging and its potential for preventive interaction on air pollution insults: Findings from the UK Biobank cohort. <i>Aging Cell</i> , 2022, 21, e13610.	3.0	25
7635	Scaling with body mass and age in glycolytic enzymes of domestic dogs. <i>Veterinary Research Communications</i> , 2023, 47, 39-50.	0.6	1
7636	Molecular and cytological profiling of biological aging of mouse cochlear inner and outer hair cells. <i>Cell Reports</i> , 2022, 39, 110665.	2.9	34
7637	Neuroglial Senescence, α -Synucleinopathy, and the Therapeutic Potential of Senolytics in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2022, 16, 824191.	1.4	11
7638	Heterochronic parabiosis: a valuable tool to investigate cellular senescence and other hallmarks of aging. <i>Aging</i> , 2022, 14, 3325-3328.	1.4	2
7639	The Potential Role of Mitochondrial Acetaldehyde Dehydrogenase 2 in Urological Cancers From the Perspective of Ferroptosis and Cellular Senescence. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 850145.	1.8	2
7640	LncRNA LYPLAL1-AS1 rejuvenates human adipose-derived mesenchymal stem cell senescence via transcriptional MIRLET7B inactivation. <i>Cell and Bioscience</i> , 2022, 12, 45.	2.1	9
7641	The Relaxin-3 Receptor, RXFP3, Is a Modulator of Aging-Related Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4387.	1.8	7
7642	Aging and "rejuvenation" of resident stem cells—a new way to active longevity?. <i>Journal of Clinical Practice</i> , 2022, 13, 79-91.	0.2	0
7643	The Role of Systemic Filtrating Organs in Aging and Their Potential in Rejuvenation Strategies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4338.	1.8	2
7644	Redistribution of Histone Marks on Inflammatory Genes Associated With Intracerebral Hemorrhage-Induced Acute Brain Injury in Aging Rats. <i>Frontiers in Neuroscience</i> , 2022, 16, 639656.	1.4	2

#	ARTICLE	IF	CITATIONS
7645	Aging accelerates while multiparity delays tumorigenesis in mouse models of high-grade serous carcinoma. <i>Gynecologic Oncology</i> , 2022, 165, 552-559.	0.6	4
7646	Aggresome assembly at the centrosome is driven by CP110 and CEP97 and CEP290 and centriolar satellites. <i>Nature Cell Biology</i> , 2022, 24, 483-496.	4.6	18
7647	Inbreeding is associated with shorter early-life telomere length in a wild passerine. <i>Conservation Genetics</i> , 2022, 23, 639-651.	0.8	5
7648	Pathogenesis of chronic obstructive pulmonary disease: understanding the contributions of gene-environment interactions across the lifespan. <i>Lancet Respiratory Medicine</i> , 2022, 10, 512-524.	5.2	93
7650	Cellular senescence in the aging brain: A promising target for neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2022, 204, 111675.	2.2	25
7651	Somatic mutation rates scale with lifespan across mammals. <i>Nature</i> , 2022, 604, 517-524.	13.7	211
7652	Murine Gut Microbiome Meta-analysis Reveals Alterations in Carbohydrate Metabolism in Response to Aging. <i>MSystems</i> , 2022, 7, e0124821.	1.7	5
7653	Distinct Serum and Fecal Metabolite Profiles Linking With Gut Microbiome in Older Adults With Frailty. <i>Frontiers in Medicine</i> , 2022, 9, 827174.	1.2	8
7654	Programming axonal mitochondrial maintenance and bioenergetics in neurodegeneration and regeneration. <i>Neuron</i> , 2022, 110, 1899-1923.	3.8	62
7655	β -Catenin Signaling Evokes Hair Follicle Senescence by Accelerating the Differentiation of Hair Follicle Mesenchymal Progenitors. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 839519.	1.8	6
7656	The phenotype of aging in the dog: how aging impacts the health and well-being of dogs and their caregivers. <i>Journal of the American Veterinary Medical Association</i> , 2022, 260, 963-970.	0.2	8
7657	Canine Geriatric Syndrome: A Framework for Advancing Research in Veterinary Geroscience. <i>Frontiers in Veterinary Science</i> , 2022, 9, 853743.	0.9	4
7658	Editorial: Cellular Senescence and Cellular Communications Within Tissue Microenvironments During Aging. <i>Frontiers in Physiology</i> , 2022, 13, 890577.	1.3	1
7659	Two Different Aging Paths in Human Blood Revealed by Integrated Analysis of Gene Expression, Mutation and Alternative Splicing. <i>Gene</i> , 2022, 829, 146501.	1.0	0
7660	[Translated article] Diagnostic and Therapeutic Developments in Progressive Pulmonary Fibrosis. <i>Archivos De Bronconeumologia</i> , 2022, , .	0.4	0
7661	Proteomes of primary skin fibroblasts from healthy individuals reveal altered cell responses across the life span. <i>Aging Cell</i> , 2022, 21, e13609.	3.0	7
7662	Functional, transcriptional, and microbial shifts associated with healthy pulmonary aging in rhesus macaques. <i>Cell Reports</i> , 2022, 39, 110725.	2.9	7
7663	Glucose Metabolism, Neural Cell Senescence and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4351.	1.8	31

#	ARTICLE	IF	CITATIONS
7664	Comprehensive analysis of epigenetic clocks reveals associations between disproportionate biological ageing and hippocampal volume. <i>GeroScience</i> , 2022, 44, 1807-1823.	2.1	19
7666	Nandrolone Supplementation Promotes AMPK Activation and Divergent 18[FDG] PET Brain Connectivity in Adult and Aged Mice. <i>Neurochemical Research</i> , 2022, 47, 2032-2042.	1.6	1
7667	Investigating the combination of plasma amyloid-beta and geroscience biomarkers on the incidence of clinically meaningful cognitive decline in older adults. <i>GeroScience</i> , 2022, 44, 1489-1503.	2.1	3
7668	Accelerated biological aging in COVID-19 patients. <i>Nature Communications</i> , 2022, 13, 2135.	5.8	87
7669	Systematic Review of the Common Pathophysiological Mechanisms in COVID-19 and Neurodegeneration: The Role of Bioactive Compounds and Natural Antioxidants. <i>Cells</i> , 2022, 11, 1298.	1.8	18
7670	Dietary Restriction and Rapamycin Affect Brain Aging in Mice by Attenuating Age-Related DNA Methylation Changes. <i>Genes</i> , 2022, 13, 699.	1.0	8
7671	Salubrinal-mediated activation of eIF2 β signaling improves oxidative stress-induced BMSCs senescence and senile osteoporosis. <i>Biochemical and Biophysical Research Communications</i> , 2022, 610, 70-76.	1.0	5
7672	Cardiovascular disease and the biology of aging. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 167, 109-117.	0.9	11
7673	Pharmaceutical and nutraceutical activation of FOXO3 for healthy longevity. <i>Ageing Research Reviews</i> , 2022, 78, 101621.	5.0	18
7825	Biology of aging: Oxidative stress and RNA oxidation. <i>Molecular Biology Reports</i> , 2022, 49, 5089-5105.	1.0	5
7826	Senolytic treatment reverses obesity-mediated senescent cell accumulation in the ovary. <i>GeroScience</i> , 2022, 44, 1747-1759.	2.1	15
7827	The gut microbiome as a modulator of healthy ageing. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2022, 19, 565-584.	8.2	162
7828	Recent Advances in Senotherapeutics Delivery. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 1223-1234.	2.5	1
7829	A sugary addition to the urea cycle. <i>Journal of Molecular Cell Biology</i> , 2022, , .	1.5	0
7830	Effect of resisted exercise on autonomic cardiac modulation in elderly women. <i>Medicine (United Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 1</i>	0.4	0
7831	Plasma Cell-Free Mitochondrial DNA as a Marker of Geriatric Syndromes in Older Adults With HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 90, 456-462.	0.9	3
7832	Contribution of proteases to the hallmarks of aging and to age-related neurodegeneration. <i>Aging Cell</i> , 2022, 21, e13603.	3.0	19
7833	Dysregulated RNA processing and metabolism: a new hallmark of ageing and provocation for cellular senescence. <i>FEBS Journal</i> , 2023, 290, 1221-1234.	2.2	15

#	ARTICLE	IF	CITATIONS
7834	Dietary restriction and lifespan: adaptive reallocation or somatic sacrifice?. FEBS Journal, 2023, 290, 1725-1734.	2.2	7
7835	What are the characteristics of vitamin D metabolism in opioid dependence? An exploratory longitudinal study in Australian primary care. BMJ Open, 2018, 8, e016806.	0.8	2
7836	Ageing Increases Cardiac Electrical Remodelling in Rats and Mice via NOX4/ROS/CaMKII-Mediated Calcium Signalling. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	1.9	9
7838	DNA Methylation Modulates Aging Process in Adipocytes. , 2022, 13, 433.		9
7839	Novel Insights into the Roles and Mechanisms of GLP-1 Receptor Agonists against Aging-Related Diseases. , 2022, 13, 468.		10
7840	Diagnostic Accuracy of the Short Physical Performance Battery in Detecting Frailty and Prefrailty in Community-Dwelling Older Adults: Results From the PRO-EVA Study. Journal of Geriatric Physical Therapy, 2023, 46, E127-E136.	0.6	2
7846	Utilization of Host and Microbiome Features in Determination of Biological Aging. Microorganisms, 2022, 10, 668.	1.6	8
7849	Understanding leukemic hematopoiesis as a complex adaptive system. World Journal of Stem Cells, 2015, 7, 1145.	1.3	2
7850	Screening of early-staged colorectal neoplasia by clonal hematopoiesis-based liquid biopsy and machine-learning.. American Journal of Cancer Research, 2022, 12, 1088-1101.	1.4	0
7851	Cancer treatment-induced NAD+ depletion in premature senescence and late cardiovascular complications. , 2022, 3, 28.		5
7852	Money Management. Advances in Human and Social Aspects of Technology Book Series, 2022, , 140-163.	0.3	0
7853	Influence of occupational risk factors on human aging (literature review). Gigena I Sanitariia, 2022, 101, 375-381.	0.1	1
7854	Animal models for studies of alcohol effects on the trajectory of age-related cognitive decline. Alcohol, 2023, 107, 4-11.	0.8	3
7855	Nuclear and Cytoplasmatic Players in Mitochondria-Related CNS Disorders: Chromatin Modifications and Subcellular Trafficking. Biomolecules, 2022, 12, 625.	1.8	4
7856	Lifespan Extension of Podospora anserina Mic60-Subcomplex Mutants Depends on Cardiolipin Remodeling. International Journal of Molecular Sciences, 2022, 23, 4741.	1.8	3
7857	Combined Vitamin D, Omega-3 Fatty Acids, and a Simple Home Exercise Program May Reduce Cancer Risk Among Active Adults Aged 70 and Older: A Randomized Clinical Trial. Frontiers in Aging, 2022, 3, .	1.2	13
7858	The Intersection of Aging and Lung Transplantation: its Impact on Transplant Evaluation, Outcomes, and Clinical Care. Current Transplantation Reports, 2022, 9, 149-159.	0.9	3
7859	Accumulation of $\hat{\imath}$ T cells in visceral fat with aging promotes chronic inflammation. GeroScience, 2022, 44, 1761-1778.	2.1	12

#	ARTICLE	IF	CITATIONS
7860	Bone Marrow Aging and the Leukaemia-Induced Senescence of Mesenchymal Stem/Stromal Cells: Exploring Similarities. <i>Journal of Personalized Medicine</i> , 2022, 12, 716.	1.1	8
7861	Tendon and Ligament Genetics: How Do They Contribute to Disease and Injury? A Narrative Review. <i>Life</i> , 2022, 12, 663.	1.1	4
7862	Deep Learning for Aging Research with DNA Methylation. <i>Current Bioinformatics</i> , 2022, 17, 669-673.	0.7	1
7863	Geranylgeranylacetone Ameliorates Beta-Amyloid Toxicity and Extends Lifespan via the Heat Shock Response in <i>Caenorhabditis elegans</i> . <i>Frontiers in Aging</i> , 2022, 3, .	1.2	1
7864	Lactoferrin as Immune-Enhancement Strategy for SARS-CoV-2 Infection in Alzheimer's Disease Patients. <i>Frontiers in Immunology</i> , 2022, 13, 878201.	2.2	5
7865	Considerations Regarding Public Use of Longevity Interventions. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	0
7866	The CBP-1/p300 Lysine Acetyltransferase Regulates the Heat Shock Response in <i>C. elegans</i> . <i>Frontiers in Aging</i> , 2022, 3, .	1.2	4
7867	Thyroid Hormone Receptor Isoforms Alpha and Beta Play Convergent Roles in Muscle Physiology and Metabolic Regulation. <i>Metabolites</i> , 2022, 12, 405.	1.3	8
7868	Systemic inflammation in older patients with breast cancer: the missing point in geriatric evaluations to sharpen survival prediction. <i>Clinical and Translational Oncology</i> , 2022, 24, 1800-1808.	1.2	1
7869	Multi-Ingredient Supplement Supports Mitochondrial Health through Interleukin-15 Signaling in Older Adult Human Dermal Fibroblasts. <i>Cosmetics</i> , 2022, 9, 47.	1.5	0
7870	Epigenetic Modifications Involved in Ageing Process: The Role of Histone Methylation of SET-Domain. <i>Biochemistry</i> , 0, , .	0.8	1
7871	Comparative Study of Protein Aggregation Propensity and Mutation Tolerance Between Naked Mole-Rat and Mouse. <i>Genome Biology and Evolution</i> , 2022, 14, .	1.1	0
7872	Prebiotic Potential of Dietary Beans and Pulses and Their Resistant Starch for Aging-Associated Gut and Metabolic Health. <i>Nutrients</i> , 2022, 14, 1726.	1.7	21
7873	Prognostic Factors for Cardiovascular Events in Elderly Patients with Community Acquired Pneumonia: Results from the CAP-China Network. <i>Clinical Interventions in Aging</i> , 2022, Volume 17, 603-614.	1.3	2
7874	DNA Double-Strand Breaks as Pathogenic Lesions in Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4653.	1.8	13
7875	Recent Advances in Epigenetics of Age-Related Kidney Diseases. <i>Genes</i> , 2022, 13, 796.	1.0	6
7876	Endoplasmic Reticulum (ER) Stress and Its Role in Pancreatic Î²-Cell Dysfunction and Senescence in Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4843.	1.8	22
7878	The Nuclear Pore Complex: Birth, Life, and Death of a Cellular Behemoth. <i>Cells</i> , 2022, 11, 1456.	1.8	29

#	ARTICLE	IF	CITATIONS
7879	New Insights and Implications of Natural Killer Cells in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, S83-S92.	1.5	10
7880	Short term treatment with a cocktail of rapamycin, acarbose and phenylbutyrate delays aging phenotypes in mice. <i>Scientific Reports</i> , 2022, 12, 7300.	1.6	9
7881	Physiological Systems in Promoting Frailty. , 2022, 12, 3575-3620.		8
7882	Hallmarks of cancer and hallmarks of aging. <i>Aging</i> , 2022, 14, 4176-4187.	1.4	19
7883	In vivo cyclic induction of the FOXM1 transcription factor delays natural and progeroid aging phenotypes and extends healthspan. <i>Nature Aging</i> , 2022, 2, 397-411.	5.3	23
7884	The Emerging Role of Extracellular Vesicles Detected in Different Biological Fluids in COPD. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5136.	1.8	5
7885	Brain age in chronic traumatic brain injury. <i>NeuroImage: Clinical</i> , 2022, 35, 103039.	1.4	5
7886	Cellular Mechanisms of Inflammaging and Periodontal Disease. <i>Frontiers in Dental Medicine</i> , 2022, 3, .	0.5	4
7887	Single-cell transcriptomics identifies premature aging features of TERC-deficient mouse brain and bone marrow. <i>GeroScience</i> , 2022, , 1.	2.1	3
7888	Frailty syndrome in patients with respiratory diseases. <i>Pulmonologiya</i> , 2022, 32, 244-252.	0.2	0
7889	Long-Term Hypercaloric Diet Consumption Exacerbates Age-Induced Dysmetabolism and Carotid Body Dysfunction: Beneficial Effects of CSN Denervation. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	6
7890	Aging: Change in SIRT1 and Enzymatic Profile Promotes a Decrease in the Antioxidant Capacity of Resveratrol in Human Leukocytes In Vitro. <i>Current Aging Science</i> , 2023, 16, 56-64.	0.4	1
7891	Disentangling Alzheimer's disease neurodegeneration from typical brain ageing using machine learning. <i>Brain Communications</i> , 2022, 4, .	1.5	12
7892	Deep learning-based brain age prediction in normal aging and dementia. <i>Nature Aging</i> , 2022, 2, 412-424.	5.3	52
7893	Pathophysiological functions of self-derived DNA. <i>International Reviews of Immunology</i> , 2023, 42, 274-286.	1.5	1
7894	The health-adjusted dependency ratio as a new global measure of the burden of ageing: a population-based study. <i>The Lancet Healthy Longevity</i> , 2022, 3, e332-e338.	2.0	17
7895	Neutrophil phenotypes and functions in cancer: A consensus statement. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	119
7896	Effects of an emotional support programme on older adults living in nursing homes: A quasi-experimental study. <i>Geriatric Nursing</i> , 2022, 45, 180-187.	0.9	2

#	ARTICLE	IF	CITATIONS
7898	IFN-Aging: Coupling Aging With Interferon Response. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	9
7899	Antiaging agents: safe interventions to slow aging and healthy life span extension. <i>Natural Products and Bioprospecting</i> , 2022, 12, 18.	2.0	31
7900	Urolithin A attenuates auditory cell senescence by activating mitophagy. <i>Scientific Reports</i> , 2022, 12, 7704.	1.6	15
7901	CYB5R3 overexpression preserves skeletal muscle mitochondria and autophagic signaling in aged transgenic mice. <i>GeroScience</i> , 2022, 44, 2223-2241.	2.1	3
7902	SAMS-1 coordinates HLH-30/TFEB and PHA-4/FOXA activities through histone methylation to mediate dietary restriction-induced autophagy and longevity. <i>Autophagy</i> , 2023, 19, 224-240.	4.3	3
7903	The combination of NRF1 and Nrf2 activators in myoblasts stimulate mechanisms of proteostasis without changes in mitochondrial respiration. , 2022, 1, 100001.		4
7904	The translational challenges of precision oncology. <i>Cancer Cell</i> , 2022, 40, 458-478.	7.7	38
7905	The Aging-Related Prognostic Signature Reveals the Landscape of the Tumor Immune Microenvironment in Head and Neck Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2022, 12, .	1.3	7
7906	Making sense of the ageing methylome. <i>Nature Reviews Genetics</i> , 2022, 23, 585-605.	7.7	86
7907	Generation of Allogeneic CAR T Cells through Specific Degradation of the T Cell Antigen Receptor by E3 Ubiquitin Ligase Fusion Proteins. <i>ACS Synthetic Biology</i> , 2022, 11, 2029-2035.	1.9	1
7909	Linking interdisciplinary and multiscale approaches to improve healthspan—a new UK model for collaborative research networks in ageing biology and clinical translation. <i>The Lancet Healthy Longevity</i> , 2022, 3, e318-e320.	2.0	4
7910	Senescence-mediated anticancer effects of quercetin. <i>Nutrition Research</i> , 2022, 104, 82-90.	1.3	13
7911	Small Noncoding RNAome Changes During Human Bone Marrow Mesenchymal Stem Cells Senescence In Vitro. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	3
7912	[Translated article] Asthma Exists in Older People too. <i>Archivos De Bronconeumologia</i> , 2022, 58, T390-T391.	0.4	1
7913	Influences of Long-Term Exercise and High-Fat Diet on Age-Related Telomere Shortening in Rats. <i>Cells</i> , 2022, 11, 1605.	1.8	5
7914	Comparative veterinary geroscience: mechanism of molecular, cellular, and tissue aging in humans, laboratory animal models, and companion dogs and cats. <i>American Journal of Veterinary Research</i> , 2022, 83, .	0.3	4
7915	Inhibition of matrix metalloproteinase expression by selective clearing of senescent dermal fibroblasts attenuates ultraviolet-induced photoaging. <i>Biomedicine and Pharmacotherapy</i> , 2022, 150, 113034.	2.5	17
7916	Resistance to glycation in the zebra finch: Mass spectrometry-based analysis and its perspectives for evolutionary studies of aging. <i>Experimental Gerontology</i> , 2022, 164, 111811.	1.2	2

#	ARTICLE	IF	CITATIONS
7917	Urolithin A protects human dermal fibroblasts from UVA-induced photoaging through NRF2 activation and mitophagy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 232, 112462.	1.7	12
7918	Reprogramming neurons for regeneration: The fountain of youth. <i>Progress in Neurobiology</i> , 2022, 214, 102284.	2.8	17
7919	Precision intervention for prostate cancer: Re-evaluating who is at risk. <i>Cancer Letters</i> , 2022, 538, 215709.	3.2	9
7925	Epigenome-wide association study of bronchopulmonary dysplasia in preterm infants: results from the discovery-BPD program. <i>Clinical Epigenetics</i> , 2022, 14, 57.	1.8	12
7926	Why succinate? Physiological regulation by a mitochondrial coenzyme Q sentinel. <i>Nature Chemical Biology</i> , 2022, 18, 461-469.	3.9	38
7927	Biological aging processes underlying cognitive decline and neurodegenerative disease. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	74
7928	<i>Sirtuins</i> , a key regulator of ageing and age-related neurodegenerative diseases. <i>International Journal of Neuroscience</i> , 2023, 133, 1167-1192.	0.8	8
7929	New insight into dyslipidemia-induced cellular senescence in atherosclerosis. <i>Biological Reviews</i> , 2022, 97, 1844-1867.	4.7	27
7930	RNA sequencing profiles reveal dynamic signaling and glucose metabolic features during bone marrow mesenchymal stem cell senescence. <i>Cell and Bioscience</i> , 2022, 12, 62.	2.1	6
7931	Vitamin D supplementation is associated with slower epigenetic aging. <i>GeroScience</i> , 2022, 44, 1847-1859.	2.1	15
7932	Defining and assessing intrinsic capacity in older people: A systematic review and a proposed scoring system. <i>Ageing Research Reviews</i> , 2022, 79, 101640.	5.0	30
7933	A modern approach to a geriatric patient: Half a century of geriatric medicine in Serbia. , 2014, 48, 48-50.		0
7934	Evaluation of <i>Lactobacillus brevis</i> MG000874 in Behavioral and In Vitro Antioxidant Enzyme Activity of Murine Brain. <i>Brazilian Archives of Biology and Technology</i> , 0, 65, .	0.5	1
7935	Altering gene expression using antisense oligonucleotide therapy for hearing loss. <i>Hearing Research</i> , 2022, 426, 108523.	0.9	5
7936	The relationship between epigenetic age and the hallmarks of aging in human cells. <i>Nature Aging</i> , 2022, 2, 484-493.	5.3	51
7937	Epigenetic traits inscribed in chromatin accessibility in aged hematopoietic stem cells. <i>Nature Communications</i> , 2022, 13, 2691.	5.8	22
7938	NF- κ B, a culprit of both inflamm-ageing and declining immunity?. <i>Immunity and Ageing</i> , 2022, 19, 20.	1.8	21
7939	Neuronal induction of BNIP3-mediated mitophagy slows systemic aging in <i>Drosophila</i> . <i>Nature Aging</i> , 2022, 2, 494-507.	5.3	17

#	ARTICLE	IF	CITATIONS
7940	Urolithin A improves muscle strength, exercise performance, and biomarkers of mitochondrial health in a randomized trial in middle-aged adults. <i>Cell Reports Medicine</i> , 2022, 3, 100633.	3.3	55
7941	SIRT7 in the aging process. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 297.	2.4	25
7942	Role of low-dose radiation in senescence and aging: A beneficial perspective. <i>Life Sciences</i> , 2022, 302, 120644.	2.0	6
7943	RNP components condense into repressive RNP granules in the aging brain. <i>Nature Communications</i> , 2022, 13, 2782.	5.8	9
7944	Molecular markers associated with cognitive impairment in centenarians. <i>Aging</i> , 2022, undefined, .	1.4	0
7945	Pharmacological Effect of Caffeine on : A Proof-of-Concept Study for Nootropic Investigation.. <i>Archives of Razi Institute</i> , 2021, 76, 1645-1654.	0.4	1
7946	Glutamate modulation for the treatment of levodopa induced dyskinesia: a brief review of the drugs tested in the clinic. <i>Neurodegenerative Disease Management</i> , 2022, 12, 203-214.	1.2	5
7947	Autophagy and Renal Fibrosis. , 2022, 13, 712.		23
7948	Stem Cell-derived Exosomal MicroRNA as Therapy for Vascular Age-related Diseases. , 2022, 13, 852.		6
7950	Potential approaches for intervening aging. , 2022, 1, 20220021.		1
7953	The importance of aging in cancer research. <i>Nature Aging</i> , 2022, 2, 365-366.	5.3	14
7955	Foundational Science and Mechanistic Insights for a Shared Disease Model: An Expert Consensus. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2022, 28, 347-350.	0.6	6
7956	Modeling human gray hair by irradiation as a valuable tool to study aspects of tissue aging. <i>GeroScience</i> , 2023, 45, 1215-1230.	2.1	5
7957	Surveying Low-Cost Methods to Measure Lifespan and Healthspan in <i>Caenorhabditis elegans</i> . <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	2
7958	Large-scale chromatin reorganization reactivates placenta-specific genes that drive cellular aging. <i>Developmental Cell</i> , 2022, 57, 1347-1368.e12.	3.1	32
7962	Deciphering aging at three-dimensional genomic resolution. , 2022, 1, 100034.		6
7963	Age Related Senescence, Apoptosis, and Inflammation Profiles in Periodontal Ligament Cells from Canine Teeth. <i>Current Molecular Medicine</i> , 2023, 23, 808-814.	0.6	1
7966	Plasma Acylcarnitines as Metabolic Signatures of Declining Health-Related Quality of Life Measure in Community-Dwelling Older Adults: A Combined Cross-sectional and Longitudinal Pilot Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2024, 79, .	1.7	2

#	ARTICLE	IF	CITATIONS
7967	Prognostic Analysis of Differentially Expressed DNA Damage Repair Genes in Bladder Cancer. <i>Pathology and Oncology Research</i> , 0, 28, .	0.9	1
7969	Protein lifetimes in aged brains reveal a proteostatic adaptation linking physiological aging to neurodegeneration. <i>Science Advances</i> , 2022, 8, .	4.7	22
7971	The hallmarks of aging in Ataxia-Telangiectasia. <i>Ageing Research Reviews</i> , 2022, 79, 101653.	5.0	10
7973	HHFS: A Hybrid Hierarchical Feature Selection Method for Ageing Gene Classification. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2023, 15, 690-699.	2.6	6
7975	Temporal patterns of multi-morbidity in 570157 ischemic heart disease patients: a nationwide cohort study. <i>Cardiovascular Diabetology</i> , 2022, 21, .	2.7	4
7977	Cellular Senescence in Aging Lungs and Diseases. <i>Cells</i> , 2022, 11, 1781.	1.8	18
7978	Nutrition as a tool for healthy aging. , 2022, 2, .		0
7979	Calorie restriction and extracellular ATP on health and longevity- A perspective. <i>Current Nutrition and Food Science</i> , 2022, 18, .	0.3	0
7980	Identification of Senescence-Related Subtypes, the Development of a Prognosis Model, and Characterization of Immune Infiltration and Gut Microbiota in Colorectal Cancer. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	5
7981	Lipid metabolism dysfunction induced by age-dependent DNA methylation accelerates aging. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	24
7983	How Important Are Genes to Achieve Longevity?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5635.	1.8	16
7986	The Long-Term Culture of Human Fibroblasts Reveals a Spectroscopic Signature of Senescence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5830.	1.8	3
7987	Effects of Intermittent Hypoxia in Training Regimes and in Obstructive Sleep Apnea on Aging Biomarkers and Age-Related Diseases: A Systematic Review. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	9
7988	Insulin-like growth factor binding proteins 7 prevents dental pulp-derived mesenchymal stem cell senescence via metabolic downregulation of p21. <i>Science China Life Sciences</i> , 0, , .	2.3	5
7989	Atp11b Deletion Affects the Gut Microbiota and Accelerates Brain Aging in Mice. <i>Brain Sciences</i> , 2022, 12, 709.	1.1	1
7992	Circulating interleukin-37 declines with aging in healthy humans: relations to healthspan indicators and IL37 gene SNPs. <i>GeroScience</i> , 0, , .	2.1	5
7993	Cross-sectional metabolic subgroups and 10-year follow-up of cardiometabolic multimorbidity in the UK Biobank. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
7996	Hippocampal Mitochondrial Transplantation Alleviates Age-Associated Cognitive Decline via Enhancing Wnt Signaling and Neurogenesis. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-7.	1.1	3

#	ARTICLE	IF	CITATIONS
7998	Microfibrillar-associated protein 4 in health and disease. <i>Matrix Biology</i> , 2022, 111, 1-25.	1.5	14
7999	Genetic Expression between Ageing and Exercise: Secreted Protein Acidic and Rich in Cysteine as a Potential "Exercise Substitute" Antiageing Therapy. <i>Genes</i> , 2022, 13, 950.	1.0	6
8000	Contribution of Biological Age "Predictive Biomarkers to Nutrition Research: A Systematic Review of the Current Evidence and Implications for Future Research and Clinical Practice. <i>Advances in Nutrition</i> , 2022, 13, 1930-1946.	2.9	5
8001	Stress-induced biological aging: A review and guide for research priorities. <i>Brain, Behavior, and Immunity</i> , 2022, 104, 97-109.	2.0	27
8002	Toward Elucidating Epigenetic and Metabolic Regulation of Stem Cell Lineage Plasticity in Skin Aging. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	3
8003	The long non-coding RNA MEG8 induces an endothelial barrier through regulation of microRNA-370 and -494 processing. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	3
8004	Gene Expression Profiles of the Aging Rat Hippocampus Imply Altered Immunoglobulin Dynamics. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	4
8007	Age-Related Changes in the Fibroblastic Differenton of the Dermis: Role in Skin Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6135.	1.8	13
8008	The multifaceted role of the SASP in atherosclerosis: from mechanisms to therapeutic opportunities. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	28
8009	Pioglitazone Hydrochloride Extends the Lifespan of <i>Caenorhabditis elegans</i> by Activating DAF-16/FOXO- and SKN-1/NRF2-Related Signaling Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-11.	1.9	3
8010	The Use of Medications and Dietary Supplements by Masters Athletes " a Review. <i>Current Nutrition Reports</i> , 2022, 11, 253-262.	2.1	6
8011	The long and short of rDNA and yeast replicative aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	2
8012	Melatonin as an Anti-Aging Therapy for Age-Related Cardiovascular and Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	20
8013	WRNing for the right DNA repair pathway choice. <i>Aging</i> , 0, , .	1.4	0
8014	Metabolic reprogramming: a bridge between aging and tumorigenesis. <i>Molecular Oncology</i> , 2022, 16, 3295-3318.	2.1	8
8015	Frailty in rodents: Models, underlying mechanisms, and management. <i>Ageing Research Reviews</i> , 2022, 79, 101659.	5.0	2
8016	p53 "Dependent Mitochondrial Compensation in Heart Failure With Preserved Ejection Fraction. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	9
8017	DNA Methylation, Aging, and Cancer Risk: A Mini-Review. <i>Frontiers in Bioinformatics</i> , 2022, 2, .	1.0	7

#	ARTICLE	IF	CITATIONS
8018	Skeletal Aging. Mayo Clinic Proceedings, 2022, 97, 1194-1208.	1.4	29
8019	A gene prognostic index from cellular senescence predicting metastasis and radioresistance for prostate cancer. Journal of Translational Medicine, 2022, 20, .	1.8	19
8020	Histone H2A ubiquitination resulting from Brap loss of function connects multiple aging hallmarks and accelerates neurodegeneration. IScience, 2022, 25, 104519.	1.9	3
8021	Clonal dynamics of haematopoiesis across the human lifespan. Nature, 2022, 606, 343-350.	13.7	160
8022	Telomere shortening and the transition to family caregiving in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) study. PLoS ONE, 2022, 17, e0268689.	1.1	0
8023	Lifelong cytomegalovirus and early-life irradiation synergistically potentiate age-related defects in response to vaccination and infection. Aging Cell, 2022, 21, .	3.0	0
8025	Associations between exposure to adverse childhood experiences and biological aging: Evidence from the Canadian Longitudinal Study on Aging. Psychoneuroendocrinology, 2022, 142, 105821.	1.3	9
8026	Comprehensive Analysis of Senescence Characteristics Defines a Novel Prognostic Signature to Guide Personalized Treatment for Clear Cell Renal Cell Carcinoma. Frontiers in Immunology, 0, 13, .	2.2	13
8027	Heterochronic parabiosis induces stem cell revitalization and systemic rejuvenation across aged tissues. Cell Stem Cell, 2022, 29, 990-1005.e10.	5.2	53
8028	Translation of Cellular Senescence to Novel Therapeutics: Insights From Alternative Tools and Models. Frontiers in Aging, 2022, 3, .	1.2	4
8029	Relationship between lifespan and somatic mutation in <i>D. melanogaster</i> after treatment with chlorophyllin. Environmental Toxicology and Pharmacology, 2022, 93, 103891.	2.0	3
8030	BAY 11-7082 inhibits the secretion of interleukin-6 by senescent human microglia. Biochemical and Biophysical Research Communications, 2022, 617, 30-35.	1.0	2
8031	Associations between greenness and blood pressure and hypertension in Chinese middle-aged and elderly population: A longitudinal study. Environmental Research, 2022, 212, 113558.	3.7	7
8032	Soluble factors influencing the neural stem cell niche in brain physiology, inflammation, and aging. Experimental Neurology, 2022, 355, 114124.	2.0	21
8037	Mitochondria are involved in the combination of blueberry and apple peel extracts synergistically ameliorating the lifespan and oxidative stress in <i>Caenorhabditis elegans</i> . Food and Function, 2022, 13, 8204-8213.	2.1	3
8039	Cellular aging and immunity. Ukrainian Journal of Veterinary and Agricultural Sciences, 2022, 5, 8-16.	0.1	1
8040	D-galactose-induced aging aggravates obesity-induced bone dyshomeostasis. Scientific Reports, 2022, 12, .	1.6	3
8041	Inflammaging and Osteoarthritis. Clinical Reviews in Allergy and Immunology, 2023, 64, 222-238.	2.9	67

#	ARTICLE	IF	CITATIONS
8042	Nutritional components as mitigators of cellular senescence in organismal aging: a comprehensive review. <i>Food Science and Biotechnology</i> , 2022, 31, 1089-1109.	1.2	12
8043	Parkin: a potential target to promote healthy ageing. <i>Journal of Physiology</i> , 2022, 600, 3405-3421.	1.3	6
8044	Effects of pH alterations on stress- and aging-induced protein phase separation. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	20
8045	Mitoresilience: Hormesis, Psycho-Physical Resilience, Mitochondria And Heart Rate Variability As Relevant Interplaying Elements In Longevity Medicine. <i>Current Aging Science</i> , 2022, 15, .	0.4	1
8046	A Review of the Potential Effects of Melatonin in Compromised Mitochondrial Redox Activities in Elderly Patients With COVID-19. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	5
8047	The Less We Eat, the Longer We Live: Can Caloric Restriction Help Us Become Centenarians?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6546.	1.8	9
8048	Examples of Inverse Comorbidity between Cancer and Neurodegenerative Diseases: A Possible Role for Noncoding RNA. <i>Cells</i> , 2022, 11, 1930.	1.8	17
8049	Exploring the Relationship Between Senescence and Colorectal Cancer in Prognosis, Immunity, and Treatment. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
8050	Does diet influence aging? Evidence from animal studies. <i>Journal of Internal Medicine</i> , 0, , .	2.7	13
8051	The Role of Antioxidants in the Interplay between Oxidative Stress and Senescence. <i>Antioxidants</i> , 2022, 11, 1224.	2.2	34
8052	EpCAM deficiency causes premature aging of intestinal epithelium via hyperactivating mTORC1 pathway. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	1
8053	Photoaging: UV radiation-induced inflammation and immunosuppression accelerate the aging process in the skin. <i>Inflammation Research</i> , 2022, 71, 817-831.	1.6	71
8054	Early differentiated CD28+ CD27+ T lymphocytes as a biomarker for short and long-term outcomes in older patients with pneumonia. <i>Journal of Leukocyte Biology</i> , 2022, 112, 1183-1190.	1.5	2
8055	A nucleation barrier spring-loads the CBM signalosome for binary activation. <i>ELife</i> , 0, 11, .	2.8	6
8057	Epigenetic Regulation of Inflammatory Signaling and Inflammation-Induced Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	15
8058	Evaluating immune response and metabolic related biomarkers pre-allogenic hematopoietic stem cell transplant in acute myeloid leukemia. <i>PLoS ONE</i> , 2022, 17, e0268963.	1.1	0
8059	Coldâ€inflammaging: When a state of homeostaticâ€imbalance associated with aging precedes the lowâ€grade proâ€inflammatoryâ€state (inflammaging): Meaning, evolution, inflammaging phenotypes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2022, 49, 925-934.	0.9	6
8060	Inference of age-associated transcription factor regulatory activity changes in single cells. <i>Nature Aging</i> , 2022, 2, 548-561.	5.3	15

#	ARTICLE	IF	CITATIONS
8061	Phenotypic and Immunometabolic Aspects on Stem Cell Memory and Resident Memory CD8+ T Cells. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
8062	Whole-Genome Sequencing Reveals Age-Specific Changes in the Human Blood Microbiota. <i>Journal of Personalized Medicine</i> , 2022, 12, 939.	1.1	3
8063	Molecular Mechanisms of Changes in Homeostasis of the Dermal Extracellular Matrix: Both Involuntional and Mediated by Ultraviolet Radiation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6655.	1.8	14
8064	Diverse partial reprogramming strategies restore youthful gene expression and transiently suppress cell identity. <i>Cell Systems</i> , 2022, 13, 574-587.e11.	2.9	29
8065	How Microbiomes Affect Skin Aging: The Updated Evidence and Current Perspectives. <i>Life</i> , 2022, 12, 936.	1.1	11
8066	In Search of the Holy Grail: Toward a Unified Hypothesis on Mitochondrial Dysfunction in Age-Related Diseases. <i>Cells</i> , 2022, 11, 1906.	1.8	10
8067	IPF: Letâ€™s Keep the Focus on the A(ge)TII cell. <i>American Journal of Respiratory and Critical Care Medicine</i> , 0, , .	2.5	0
8069	Behavioral changes in senescent giant Pacific octopus (<i>Enteroctopus dofleini</i>) are associated with peripheral neural degeneration and loss of epithelial tissue. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2022, 271, 111263.	0.8	5
8070	SCAÂ® Slows the Decline of Functional Parameters Associated with Senescence in Skin Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6538.	1.8	0
8071	N-methyl-D-aspartate receptor blockers attenuate bleomycin-induced pulmonary fibrosis by inhibiting endogenous mesenchymal stem cells senescence. <i>Annals of Translational Medicine</i> , 2022, 10, 642-642.	0.7	2
8072	Increasing Vulnerability in Older Adults With Critical Illness. <i>Chest</i> , 2022, 161, 1436-1437.	0.4	1
8074	Accelerated mononuclear cell telomere attrition in breast cancer survivors with depression history: A 2â€¢year longitudinal cohort study. <i>Cancer</i> , 0, , .	2.0	1
8075	Blood pressure variability: A potential marker of aging. <i>Ageing Research Reviews</i> , 2022, 80, 101677.	5.0	25
8078	Mmp13 deletion in mesenchymal cells increases bone mass and may attenuate the cortical bone loss caused by estrogen deficiency. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
8079	Doxorubicin-induced senescence in normal fibroblasts promotes in vitro tumour cell growth and invasiveness: The role of Quercetin in modulating these processes. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111689.	2.2	12
8080	Regulation and roles of <scp>RNA</scp> modifications in agingâ€¢related diseases. <i>Ageing Cell</i> , 2022, 21, .	3.0	22
8081	Disruption of the lipolysis pathway results in stem cell death through a sterile immunity-like pathway in adult <i>Drosophila</i> . <i>Cell Reports</i> , 2022, 39, 110958.	2.9	2
8082	A mouse model for Li-Fraumeni-Like Syndrome with cardiac angiosarcomas associated to POT1 mutations. <i>PLoS Genetics</i> , 2022, 18, e1010260.	1.5	1

#	ARTICLE	IF	CITATIONS
8083	Arterial Stiffness and the Canonical WNT/ β -catenin Pathway. <i>Current Hypertension Reports</i> , 2022, 24, 499-507.	1.5	5
8084	Role of Ubiquitin-Proteasome and Autophagy-Lysosome Pathways in β -Synuclein Aggregate Clearance. <i>Molecular Neurobiology</i> , 2022, 59, 5379-5407.	1.9	18
8085	The PICLS high-throughput screening method for agents extending cellular longevity identifies 2,5-anhydro-D-mannitol as novel anti-aging compound. <i>GeroScience</i> , 2023, 45, 141-158.	2.1	6
8086	Exogenous oxidative stressors elicit differing age and sex effects in <i>Tigriopus californicus</i> . <i>Experimental Gerontology</i> , 2022, , 111871.	1.2	4
8087	Metformin, Rapamycin, or Nicotinamide Mononucleotide Pretreatment Attenuate Cognitive Impairment After Cerebral Hypoperfusion by Inhibiting Microglial Phagocytosis. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	6
8088	Mortality and morbidity in ageing men: Biology, Lifestyle and Environment. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 1285-1304.	2.6	8
8089	CD38 Mediates Lung Fibrosis by Promoting Alveolar Epithelial Cell Aging. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 459-475.	2.5	20
8090	Serotonin and dopamine modulate aging in response to food odor and availability. <i>Nature Communications</i> , 2022, 13, .	5.8	19
8091	Aging gut microbiota of wild macaques are equally diverse, less stable, but progressively personalized. <i>Microbiome</i> , 2022, 10, .	4.9	9
8092	Remission of obesity and insulin resistance is not sufficient to restore mitochondrial homeostasis in visceral adipose tissue. <i>Redox Biology</i> , 2022, 54, 102353.	3.9	14
8093	<i>C. elegans</i> as an Animal Model to Study the Intersection of DNA Repair, Aging and Neurodegeneration. <i>Frontiers in Aging</i> , 0, 3, .	1.2	9
8094	Social stressors associated with age-related T lymphocyte percentages in older US adults: Evidence from the US Health and Retirement Study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
8095	Counteracting aged DNA methylation states to combat ageing and age-related diseases. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111695.	2.2	13
8096	Emerging Insight Into the Role of Circadian Clock Gene BMAL1 in Cellular Senescence. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	6
8097	Hyperinsulinemia Is Highly Associated With Markers of Hepatocytic Senescence in Two Independent Cohorts. <i>Diabetes</i> , 2022, 71, 1929-1936.	0.3	11
8098	Measuring biological age using omics data. <i>Nature Reviews Genetics</i> , 2022, 23, 715-727.	7.7	117
8099	Foundational science and mechanistic insights for a shared disease model: an expert consensus. <i>International Urogynecology Journal</i> , 2022, 33, 1387-1392.	0.7	1
8101	<i>Yersinia pestis</i> -Induced Mitophagy That Balances Mitochondrial Homeostasis and mROS-Mediated Bactericidal Activity. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5

#	ARTICLE	IF	CITATIONS
8102	Biological aging in maltreated children followed up into middle adulthood. <i>Psychoneuroendocrinology</i> , 2022, 143, 105848.	1.3	6
8103	Epigenetic aging: Biological age prediction and informing a mechanistic theory of aging. <i>Journal of Internal Medicine</i> , 2022, 292, 733-744.	2.7	24
8104	Age-Related Lysosomal Dysfunctions. <i>Cells</i> , 2022, 11, 1977.	1.8	10
8105	An Overview of Herbal Medicines for Idiopathic Pulmonary Fibrosis. <i>Processes</i> , 2022, 10, 1131.	1.3	3
8106	The association between aging-related monocyte transcriptional networks and comorbidity burden: the Multi-Ethnic Study of Atherosclerosis (MESA). <i>GeroScience</i> , 0, , .	2.1	3
8107	Dietary strategies with anti-aging potential: Dietary patterns and supplements. <i>Food Research International</i> , 2022, 158, 111501.	2.9	15
8108	A Comprehensive Overview of the Complex Role of Oxidative Stress in Aging, The Contributing Environmental Stressors and Emerging Antioxidant Therapeutic Interventions. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	19
8109	Ultrasound-Mediated Bioeffects in Senescent Mice and Alzheimer's Mouse Models. <i>Brain Sciences</i> , 2022, 12, 775.	1.1	3
8110	Impact of aging on the pathophysiology of dry eye disease: A systematic review and meta-analysis. <i>Ocular Surface</i> , 2022, 25, 108-118.	2.2	22
8111	Ageing – Oxidative stress, PTMs and disease. <i>Molecular Aspects of Medicine</i> , 2022, 86, 101099.	2.7	37
8112	Environmental enrichment and the aging brain: is it time for standardization?. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 139, 104728.	2.9	6
8113	Cartilage debris and osteoarthritis risk factors influence gene expression in the synovium in end stage osteoarthritis. <i>Knee</i> , 2022, 37, 47-59.	0.8	4
8114	Biological Aging for Risk Prediction of First-Ever Intracerebral Hemorrhage and Cerebral Infarction in Advanced Age. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106568.	0.7	2
8115	Identification of a suitable endogenous control miRNA in bone aging and senescence. <i>Gene</i> , 2022, 835, 146642.	1.0	9
8116	The role of cycloastragenol at the intersection of NRF2/ARE, telomerase, and proteasome activity. <i>Free Radical Biology and Medicine</i> , 2022, 188, 105-116.	1.3	6
8117	Mitochondrial function and dynamics in neural stem cells and neurogenesis: Implications for neurodegenerative diseases. <i>Ageing Research Reviews</i> , 2022, 80, 101667.	5.0	16
8118	Flavonoids from <i>Rhododendron nivale</i> Hook. f delay aging via modulation of gut microbiota and glutathione metabolism. <i>Phytomedicine</i> , 2022, 104, 154270.	2.3	9
8119	The use of therapeutic plasmapheresis in preventive and sports medicine. <i>BIO Web of Conferences</i> , 2022, 48, 01009.	0.1	1

#	ARTICLE	IF	CITATIONS
8120	Ovarian Reserve and Early Follicle Development: Prerequisite Knowledge for Understanding Ovarian Tissue Harvesting for Cryopreservation. , 2022, , 37-48.		0
8121	Basal Mitophagy is Suppressed in Cellular Senescence and Mediates Senescence Phenotypes. SSRN Electronic Journal, 0, , .	0.4	1
8122	Metformin's Mechanisms in Attenuating Hallmarks of Aging and Age-Related Disease. , 2022, 13, 970.		5
8123	Current Animal Model Systems for Ovarian Aging Research. , 2022, 13, 1183.		12
8124	Crosstalk between Lipid Rafts and Aging: New Frontiers for Delaying Aging. , 2022, 13, 1042.		6
8125	Common Pathogenetic Mechanisms Underlying Aging and Tumor and Means of Interventions. , 2022, 13, 1063.		11
8126	Identifying Frailty in Thermal/Spa Clinical Setting: A Cross-Sectional Study. JAR Life, 0, , .	0.0	2
8128	Stem Cells and Aging. , 2022, , .		0
8129	Adverse Associations of Long-Term Exposure to Ambient Ozone with Molecular Biomarkers of Aging Alleviated by Residential Greenness in Rural Chinese Adults. SSRN Electronic Journal, 0, , .	0.4	0
8130	Extension of the Life Span by Acarbose: Is It Mediated by the Gut Microbiota?. , 2022, 13, 1005.		5
8131	YAP/TAZ activity in stromal cells prevents ageing by controlling cGASâ€“STING. Nature, 2022, 607, 790-798.	13.7	89
8132	Plant-Based Foods and Vascular Function: A Systematic Review of Dietary Intervention Trials in Older Subjects and Hypothesized Mechanisms of Action. Nutrients, 2022, 14, 2615.	1.7	8
8133	Convergent and Divergent Age Patterning of Gut Microbiota Diversity in Humans and Nonhuman Primates. MSystems, 2022, 7, .	1.7	5
8134	Brain Cell Senescence: A New Therapeutic Target for the Acute Treatment of Ischemic Stroke. Journal of Neuropathology and Experimental Neurology, 2022, 81, 614-620.	0.9	8
8135	Combined fibre atrophy and decreased muscle regeneration capacity driven by mitochondrial DNA alterations underlie the development of sarcopenia. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 2132-2145.	2.9	14
8136	Mitoribosomal Deregulation Drives Senescence via TPP1-Mediated Telomere Deprotection. Cells, 2022, 11, 2079.	1.8	1
8137	Normal Aging Induces Changes in the Brain and Neurodegeneration Progress: Review of the Structural, Biochemical, Metabolic, Cellular, and Molecular Changes. Frontiers in Aging Neuroscience, 0, 14, .	1.7	37
8138	The Emerging Role of the Aging Process and Exercise Training on the Crosstalk between Gut Microbiota and Telomere Length. International Journal of Environmental Research and Public Health, 2022, 19, 7810.	1.2	1

#	ARTICLE	IF	CITATIONS
8139	Association of Molecular Senescence Markers in Late-Life Depression With Clinical Characteristics and Treatment Outcome. <i>JAMA Network Open</i> , 2022, 5, e2219678.	2.8	8
8140	Failures at every level: breakdown of the epigenetic machinery of aging. , 2022, 1, 81-83.		14
8141	Human RNA-directed DNA methylation methylates high-mobility group box 1 protein-produced DNA gaps. <i>Epigenomics</i> , 2022, 14, 741-756.	1.0	5
8144	3D Human Organoids: The Next "Viral" Model for the Molecular Basis of Infectious Diseases. <i>Biomedicines</i> , 2022, 10, 1541.	1.4	6
8147	Oxidative Stress in Ageing and Chronic Degenerative Pathologies: Molecular Mechanisms Involved in Counteracting Oxidative Stress and Chronic Inflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7273.	1.8	93
8148	A "Best Choice Medicine"(BCM) Route to Drug Development to Solve the Aging-Associated Non-Communicable Disease Burden. <i>Journal of Biomedical and Allied Research</i> , 0, , .	6.0	0
8149	A Computational Framework to Characterize the Cancer Drug Induced Effect on Aging Using Transcriptomic Data. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0
8150	Ambient and Wearable Sensor Technologies for Energy Expenditure Quantification of Ageing Adults. <i>Sensors</i> , 2022, 22, 4893.	2.1	3
8151	Horizons in Human Aging Neuroscience: From Normal Neural Aging to Mental (Fr)Agility. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	4
8153	Role of GDF15/MAPK14 Axis in Chondrocyte Senescence as a Novel Senomorphic Agent in Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7043.	1.8	7
8154	Age-Associated Features of the Expression Level of Apoptosis Markers in Cardiomyocytes of Patients with Dilated Cardiomyopathy. <i>Advances in Gerontology</i> , 2022, 12, 107-112.	0.1	0
8156	Polymerases and DNA Repair in Neurons: Implications in Neuronal Survival and Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	6
8157	Potential Methods of Targeting Cellular Aging Hallmarks to Reverse Osteoarthritic Phenotype of Chondrocytes. <i>Biology</i> , 2022, 11, 996.	1.3	3
8158	Similarities Between Disuse and Age-Induced Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1417-1434.	3.1	17
8159	Curcumin improves D-galactose and normal-aging associated memory impairment in mice: In vivo and in silico-based studies. <i>PLoS ONE</i> , 2022, 17, e0270123.	1.1	10
8160	Aging-associated accumulation of mitochondrial DNA mutations in tumor origin. , 2022, 1, 149-167.		9
8162	Inflammaging is driven by upregulation of innate immune receptors and systemic interferon signaling and is ameliorated by dietary restriction. <i>Cell Reports</i> , 2022, 39, 111017.	2.9	24
8163	Complex regulatory role of DNA methylation in caste- and age-specific expression of a termite. <i>Open Biology</i> , 2022, 12, .	1.5	6

#	ARTICLE	IF	CITATIONS
8164	Mitochondrial function and nutrient sensing pathways in ageing: enhancing longevity through dietary interventions. <i>Biogerontology</i> , 2022, 23, 657-680.	2.0	6
8165	Inherited MUTYH mutations cause elevated somatic mutation rates and distinctive mutational signatures in normal human cells. <i>Nature Communications</i> , 2022, 13, .	5.8	30
8166	MicroRNA-206 down-regulated human umbilical cord mesenchymal stem cells alleviate cognitive decline in D-galactose-induced aging mice. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	3
8167	Glutamine Availability Regulates the Development of Aging Mediated by mTOR Signaling and Autophagy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	5
8170	A subset of gut leukocytes has telomerase-dependent "hyper-long" telomeres and require telomerase for function in zebrafish. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	3
8171	Cellular and Mitochondrial Quality Control Mechanisms in Maintaining Homeostasis in Aging. <i>Rejuvenation Research</i> , 2022, 25, 208-222.	0.9	5
8172	Ubiquitin Ligases in Longevity and Aging Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7602.	1.8	7
8173	The Potential Roles of Dietary Anthocyanins in Inhibiting Vascular Endothelial Cell Senescence and Preventing Cardiovascular Diseases. <i>Nutrients</i> , 2022, 14, 2836.	1.7	11
8174	Progerin modulates the IGF-1R/Akt signaling involved in aging. <i>Science Advances</i> , 2022, 8, .	4.7	5
8175	mtDNA variability determines spontaneous joint aging damage in a conplastic mouse model. <i>Aging</i> , 2022, 14, 5966-5983.	1.4	3
8177	DNA repair as a shared hallmark in cancer and ageing. <i>Molecular Oncology</i> , 2022, 16, 3352-3379.	2.1	17
8178	Nutritional assessment models for diabetes and aging. <i>Food Frontiers</i> , 2022, 3, 689-705.	3.7	8
8179	Genetic Disruption of KLF1 K74 SUMOylation in Hematopoietic System Promotes Healthy Longevity in Mice. <i>Advanced Science</i> , 0, , 2201409.	5.6	3
8180	Insulin Resistance in Peripheral Tissues and the Brain: A Tale of Two Sites. <i>Biomedicines</i> , 2022, 10, 1582.	1.4	18
8181	Epigenetic Memories in Hematopoietic Stem and Progenitor Cells. <i>Cells</i> , 2022, 11, 2187.	1.8	3
8182	Anti-Aging Effect of <i>Momordica charantia</i> L. on d-Galactose-Induced Subacute Aging in Mice by Activating PI3K/AKT Signaling Pathway. <i>Molecules</i> , 2022, 27, 4502.	1.7	5
8184	Multi-scale model suggests the trade-off between protein and ATP demand as a driver of metabolic changes during yeast replicative ageing. <i>PLoS Computational Biology</i> , 2022, 18, e1010261.	1.5	2
8185	Molecular bases for the use of functional foods in the management of healthy aging: Berries, curcumin, virgin olive oil and honey; three realities and a promise. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 11967-11986.	5.4	3

#	ARTICLE	IF	CITATIONS
8186	Antiaging Effects of Dietary Polysaccharides: Advance and Mechanisms. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	1.9	7
8187	Autophagy in health and disease: From molecular mechanisms to therapeutic target. <i>MedComm</i> , 2022, 3, .	3.1	30
8188	The Many Ages of Microbiomeâ€“Gutâ€“Brain Axis. <i>Nutrients</i> , 2022, 14, 2937.	1.7	10
8189	Biomarkers of aging in real life: three questions on aging and the comprehensive geriatric assessment. <i>GeroScience</i> , 2022, 44, 2611-2622.	2.1	19
8190	Do Cancer and Cancer Treatments Accelerate Aging?. <i>Current Oncology Reports</i> , 2022, 24, 1401-1412.	1.8	5
8191	Contextâ€“dependent roles of cellular senescence in normal, aged, and disease states. <i>FEBS Journal</i> , 2023, 290, 1161-1185.	2.2	6
8192	The Achillesâ€™ heel of cancer survivors: fundamentals of accelerated cellular senescence. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	18
8193	Human age reversal: Fact or fiction?. <i>Aging Cell</i> , 2022, 21, .	3.0	21
8194	Longevity-Promoting Pathways and Transcription Factors Respond to and Control Extracellular Matrix Dynamics During Aging and Disease. <i>Frontiers in Aging</i> , 0, 3, .	1.2	11
8195	DNA damage and repair in age-related inflammation. <i>Nature Reviews Immunology</i> , 2023, 23, 75-89.	10.6	56
8196	Lipodystrophy-associated progeroid syndromes. <i>Hormones</i> , 2022, 21, 555-571.	0.9	4
8197	Calorie Restriction Rescues Mitochondrial Dysfunction in Adck2-Deficient Skeletal Muscle. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	0
8198	Early Growth Response Factor 1 in Aging Hematopoietic Stem Cells and Leukemia. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	6
8199	Ranolazine Counteracts Strength Impairment and Oxidative Stress in Aged Sarcopenic Mice. <i>Metabolites</i> , 2022, 12, 663.	1.3	2
8200	HSF-1: Guardian of the Proteome Through Integration of Longevity Signals to the Proteostatic Network. <i>Frontiers in Aging</i> , 0, 3, .	1.2	6
8202	Antagonistic effects of mitochondrial matrix and intermembrane space proteases on yeast aging. <i>BMC Biology</i> , 2022, 20, .	1.7	2
8203	Brain Region- and Age-Dependent 5-Hydroxymethylcytosine Activity in the Non-Human Primate. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	5
8205	Caloric restriction-mimetics for the reduction of heart failure risk in aging heart: with consideration of gender-related differences. <i>Military Medical Research</i> , 2022, 9, .	1.9	3

#	ARTICLE	IF	CITATIONS
8207	Expert consensus recommendations for the management of asthma in older adults. <i>Medicina Clínica (English Edition)</i> , 2022, 159, 53.e1-53.e14.	0.1	1
8208	Complex physiology and clinical implications of time-restricted eating. <i>Physiological Reviews</i> , 2022, 102, 1991-2034.	13.1	17
8209	Targeting the "hallmarks of aging" to slow aging and treat age-related disease: fact or fiction?. <i>Molecular Psychiatry</i> , 2023, 28, 242-255.	4.1	27
8210	Nanoparticles in the diagnosis and treatment of vascular aging and related diseases. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	22
8211	Two distinct evolutionary conserved neural degeneration pathways characterized in a colonial chordate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	10
8212	The association between Alu hypomethylation and the severity of hypertension. <i>PLoS ONE</i> , 2022, 17, e0270004.	1.1	4
8213	Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimer's disease. <i>Cell Stem Cell</i> , 2022, 29, 1135-1153.e8.	5.2	45
8214	DNA Damage Response-Associated Cell Cycle Re-Entry and Neuronal Senescence in Brain Aging and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2023, 94, S429-S451.	1.2	7
8215	Pharmacological Approaches to Decelerate Aging: A Promising Path. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-25.	1.9	5
8216	Intersection of Inflammation and Senescence in the Aging Lung Stem Cell Niche. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	8
8217	Nestin-dependent mitochondria-ER contacts define stem Leydig cell differentiation to attenuate male reproductive ageing. <i>Nature Communications</i> , 2022, 13, .	5.8	7
8218	Administration of krill oil extends lifespan of fish <i>Nothobranchius guentheri</i> via enhancement of antioxidant system and suppression of NF- κ B pathway. <i>Fish Physiology and Biochemistry</i> , 0, , .	0.9	1
8219	Age-related Mitochondrial Dysfunction in Parkinson's Disease: New Insights Into the Disease Pathology. <i>Neuroscience</i> , 2022, 499, 152-169.	1.1	6
8221	Differential gene screening and bioinformatics analysis of epidermal stem cells and dermal fibroblasts during skin aging. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8222	Connecting aging biology and inflammation in the omics era. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	48
8223	Swimming exercise with l-arginine coated nanoparticles supplementation upregulated HAND2 and TBX5 expression in the cardiomyocytes of aging male rats. <i>Biogerontology</i> , 2022, 23, 473-484.	2.0	2
8224	<i>Biology of Aging</i> , 2022, , 12-20.		0
8225	Curcumin Alleviates D-Galactose-Induced Cardiomyocyte Senescence by Promoting Autophagy via the SIRT1/AMPK/mTOR Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-11.	0.5	4

#	ARTICLE	IF	CITATIONS
8226	Mucins MUC5AC and MUC5B Are Variably Packaged in the Same and in Separate Secretory Granules. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1081-1095.	2.5	10
8227	Scorpion Venom Heat-Resistant Synthesized Peptide Increases Stress Resistance and Extends the Lifespan of <i>Caenorhabditis elegans</i> via the Insulin/IGF-1-Like Signal Pathway. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	1
8228	Multimorbidity. <i>Nature Reviews Disease Primers</i> , 2022, 8, .	18.1	212
8229	Nicotinamide Mononucleotide Ameliorates Cellular Senescence and Inflammation Caused by Sodium Iodate in RPE. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-23.	1.9	8
8230	Systematic Selection of Age-Associated mRNA Markers and the Development of Predicted Models for Forensic Age Inference by Three Machine Learning Methods. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
8231	Auxin-Inducible Degron System Reveals Temporal-Spatial Roles of HSF-1 and Its Transcriptional Program in Lifespan Assurance. <i>Frontiers in Aging</i> , 0, 3, .	1.2	2
8232	Consumption of Grapes Modulates Gene Expression, Reduces Non-Alcoholic Fatty Liver Disease, and Extends Longevity in Female C57BL/6J Mice Provided with a High-Fat Western-Pattern Diet. <i>Foods</i> , 2022, 11, 1984.	1.9	9
8233	Suppressed Cellular Senescence Mediated by T-box3 in Aged Gastric Epithelial Cells may Contribute to Aging-related Carcinogenesis. <i>Cancer Research Communications</i> , 2022, 2, 772-783.	0.7	3
8234	Sağlıklı ve Yaşlı Senior ve Geriatrik Hastalarda Hematokimyasal Parametrelerin ve Karotid Biliyessel Disfonksiyon Derecelendirme ve Yaşlanmanın Değerlendirilmesi. <i>Erciyes Üniversitesi Veteriner Fakültesi Dergisi</i> , 0, .	0.1	0
8235	Oxidative stress, aging, antioxidant supplementation and their impact on human health: An overview. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111707.	2.2	29
8236	Effect of a lifestyle intervention on telomere length: A systematic review and meta-analysis. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111694.	2.2	10
8237	<i>Ganoderma atrum</i> polysaccharide relieves mitochondrial dysfunction to alleviate hydrogen peroxide-induced senescence via activating autophagy. <i>Journal of Future Foods</i> , 2022, 2, 241-252.	2.0	2
8238	Exploring the conceptual framework and measurement model of intrinsic capacity defined by the World Health Organization: A scoping review. <i>Ageing Research Reviews</i> , 2022, 80, 101685.	5.0	11
8239	ERK1 loss accelerates the progression of osteoarthritis in aged mice via NRF2/BACH1 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2022, 622, 129-135.	1.0	4
8240	Systems modelling predicts chronic inflammation and genomic instability prevent effective mitochondrial regulation during biological ageing. <i>Experimental Gerontology</i> , 2022, 166, 111889.	1.2	8
8241	Mitochondria - Nucleus communication in neurodegenerative disease. Who talks first, who talks louder?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148588.	0.5	8
8242	Involvement of astrocyte senescence in Alzheimer's disease. <i>Current Opinion in Neurobiology</i> , 2022, 76, 102594.	2.0	3
8243	Materials and extracellular matrix rigidity highlighted in tissue damages and diseases: Implication for biomaterials design and therapeutic targets. <i>Bioactive Materials</i> , 2023, 20, 381-403.	8.6	11

#	ARTICLE	IF	CITATIONS
8244	Hesperetin promotes longevity and delays aging via activation of Cisd2 in naturally aged mice. <i>Journal of Biomedical Science</i> , 2022, 29, .	2.6	11
8245	Dietary regulation in health and disease. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	47
8246	Mechanisms of vascular aging. <i>Bulletin of Siberian Medicine</i> , 2022, 21, 186-194.	0.1	2
8248	Epigenetic clocks in relapse after a first episode of schizophrenia. , 2022, 8, .		5
8250	Dietary fructose as a metabolic risk factor. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C847-C856.	2.1	6
8251	Delay of endothelial cell senescence protects cerebral barrier against age-related dysfunction: role of senolytics and senomorphics. <i>Tissue Barriers</i> , 2023, 11, .	1.6	6
8252	Physical resilience in older adults: Potential use in promoting healthy aging. <i>Ageing Research Reviews</i> , 2022, 81, 101701.	5.0	2
8253	Telomere Length and Risk of Incident Fracture and Arthroplasty: Findings From UK Biobank. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1997-2004.	3.1	3
8254	Association between COVID-19 and telomere length: A bidirectional Mendelian randomization study. <i>Journal of Medical Virology</i> , 2022, 94, 5345-5353.	2.5	34
8255	Inflammatory exposure drives long-lived impairment of hematopoietic stem cell self-renewal activity and accelerated aging. <i>Cell Stem Cell</i> , 2022, 29, 1273-1284.e8.	5.2	76
8256	Therapeutic application of quercetin in aging-related diseases: SIRT1 as a potential mechanism. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	91
8257	Gametogenesis: Exploring an Endogenous Rejuvenation Program to Understand Cellular Aging and Quality Control. <i>Annual Review of Genetics</i> , 2022, 56, 89-112.	3.2	3
8259	Diminished tubule epithelial farnesoid X receptor expression exacerbates inflammation and fibrosis response in aged rat kidney. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 0, , .	1.7	0
8260	The Role of Sestrins in the Regulation of the Cellular Response to Stress. <i>Biology Bulletin Reviews</i> , 2022, 12, 347-364.	0.3	0
8262	Chaperone-Mediated Autophagy in Neurodegenerative Diseases: Molecular Mechanisms and Pharmacological Opportunities. <i>Cells</i> , 2022, 11, 2250.	1.8	12
8263	The regulation of skin homeostasis, repair and the pathogenesis of skin diseases by spatiotemporal activation of epidermal mTOR signaling. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	9
8264	A complex systems approach to aging biology. <i>Nature Aging</i> , 2022, 2, 580-591.	5.3	52
8265	An immunologist's guide to immunosenescence and its treatment. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 961-981.	1.3	16

#	ARTICLE	IF	CITATIONS
8266	Keeping the beat against time: Mitochondrial fitness in the aging heart. <i>Frontiers in Aging</i> , 0, 3, .	1.2	4
8267	Hypoxia and Alpha-Synuclein: Inextricable Link Underlying the Pathologic Progression of Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	10
8268	Proteolysis dysfunction in the process of aging and age-related diseases. <i>Frontiers in Aging</i> , 0, 3, .	1.2	23
8269	The epitranscriptome in ageing and stress resistance: A systematic review. <i>Ageing Research Reviews</i> , 2022, 81, 101700.	5.0	9
8271	Metformin mitigates stress-induced premature senescence by upregulating AMPK β at Ser485 phosphorylation induced SIRT3 expression and inactivating mitochondrial oxidants. <i>Mechanisms of Ageing and Development</i> , 2022, 206, 111708.	2.2	7
8272	YAP/TAZ dull the STING of aging. , 2022, 2, 44.		1
8273	Genetically predicted telomere length and its relationship with neurodegenerative diseases and life expectancy. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 4251-4256.	1.9	11
8274	Current progress in bionanomaterials to modulate the epigenome. <i>Biomaterials Science</i> , 2022, 10, 5081-5091.	2.6	2
8275	Telomere Biology. , 2022, , .		0
8276	Role of mitophagy in the hallmarks of aging. <i>Journal of Biomedical Research</i> , 2023, 37, 1.	0.7	1
8277	Epigenetic age predictors in community-dwelling adults with high impact knee pain. <i>Molecular Pain</i> , 2022, 18, 174480692211180.	1.0	6
8278	Vascular senescence in progeria: role of endothelial dysfunction. <i>European Heart Journal Open</i> , 2022, 2, .	0.9	11
8279	8-Hydroxy -deoxyguanosine (8-OHdG) urine as a biomarker of oxidative damage in early elderly hypertension. <i>International Journal of Health Sciences</i> , 0, , 2996-3004.	0.0	0
8280	Causes and consequences of variation in early-life telomere length in a bird metapopulation. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	8
8281	Association of a common genetic variant with Parkinson's disease is mediated by microglia. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	40
8282	Changes in Small Noncoding RNA Expression during Chondrocyte Senescence. <i>Cartilage</i> , 2022, 13, 194760352211181.	1.4	2
8284	Religious fasting and the vascular health. <i>Indian Heart Journal</i> , 2022, , .	0.2	0
8285	Up-regulated LRRN2 expression as a marker for graft quality in living donor liver transplantation. <i>Hepatology Communications</i> , 2022, 6, 2836-2849.	2.0	4

#	ARTICLE	IF	CITATIONS
8287	Targeting retinoic acid receptor alpha-corepressor interaction activates chaperone-mediated autophagy and protects against retinal degeneration. <i>Nature Communications</i> , 2022, 13, .	5.8	14
8289	Blood transcriptome analysis revealing aging gene expression profiles in red panda. <i>PeerJ</i> , 0, 10, e13743.	0.9	0
8290	Association of Pace of Aging Measured by Blood-Based DNA Methylation With Age-Related Cognitive Impairment and Dementia. <i>Neurology</i> , 2022, 99, .	1.5	48
8291	Black Ginseng Ameliorates Cellular Senescence via p53-p21/p16 Pathway in Aged Mice. <i>Biology</i> , 2022, 11, 1108.	1.3	4
8292	Impact of aging on tendon homeostasis, tendinopathy development, and impaired healing. <i>Connective Tissue Research</i> , 2023, 64, 1-13.	1.1	6
8293	Impact of aging on animal models of Parkinson's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	18
8294	Apoptotic vesicles rejuvenate mesenchymal stem cells via Rab7-mediated autolysosome formation and alleviate bone loss in aging mice. <i>Nano Research</i> , 2023, 16, 822-833.	5.8	6
8295	Adipose Tissue Aging and Metabolic Disorder, and the Impact of Nutritional Interventions. <i>Nutrients</i> , 2022, 14, 3134.	1.7	9
8296	Impact of MnTBAP and Baricitinib Treatment on Hutchinsonâ€™s Gilford Progeria Fibroblasts. <i>Pharmaceuticals</i> , 2022, 15, 945.	1.7	2
8297	Role of the Gutâ€™Brain Axis, Gut Microbial Composition, Diet, and Probiotic Intervention in Parkinsonâ€™s Disease. <i>Microorganisms</i> , 2022, 10, 1544.	1.6	15
8298	Integrating Transcriptomics and Free Fatty Acid Profiling Analysis Reveal Cu Induces Shortened Lifespan and Increased Fat Accumulation and Oxidative Damage in <i>C. elegans</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-27.	1.9	0
8299	Inflammatory aging clock: A cancer clock to characterize the patientsâ€™ subtypes and predict the overall survival in glioblastoma. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
8300	Theories and Molecular Basis of Vascular Aging: A Review of the Literature from VascAgeNet Group on Pathophysiological Mechanisms of Vascular Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8672.	1.8	14
8301	The Complement System, Aging, and Aging-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8689.	1.8	22
8302	Rates of protein synthesis are maintained in brain but reduced in skeletal muscle during dietary sulfur amino acid restriction. <i>Frontiers in Aging</i> , 0, 3, .	1.2	1
8303	An integrative machine-learning meta-analysis of high-throughput omics data identifies age-specific hallmarks of Alzheimerâ€™s disease. <i>Ageing Research Reviews</i> , 2022, 81, 101721.	5.0	13
8304	Time course of rightâ€™hemisphere recruitment during word production following leftâ€™hemisphere damage: A single case of young stroke. <i>European Journal of Neuroscience</i> , 2022, 56, 5235-5259.	1.2	1
8305	Thermogenic adipose tissue aging: Mechanisms and implications. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	10

#	ARTICLE	IF	CITATIONS
8306	Characteristic Hallmarks of Aging and the Impact on Carcinogenesis. <i>Current Cancer Drug Targets</i> , 2022, 22, .	0.8	4
8307	Applicable Life-History and Molecular Traits for Studying the Effects of Anhydrobiosis on Aging in Tardigrades. <i>Diversity</i> , 2022, 14, 664.	0.7	5
8308	The road ahead of dietary restriction on anti-aging: focusing on personalized nutrition. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 891-908.	5.4	3
8309	MyMD-1 Improves Health Span and Prolongs Life Span in Old Mice: A Noninferiority Study to Rapamycin. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 227-235.	1.7	4
8310	Oxidative Stress in Relation to Aging and Exercise. <i>Encyclopedia</i> , 2022, 2, 1545-1558.	2.4	3
8311	Inflammation and Epigenetic Aging Are Largely Independent Markers of Biological Aging and Mortality. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2378-2386.	1.7	12
8312	Factors associated with instrumental support in transitional care among older people with chronic disease: a cross-sectional study. <i>BMC Nursing</i> , 2022, 21, .	0.9	1
8313	Age-dependent effects of gut microbiota metabolites on brain resident macrophages. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7
8314	The CRTIC-CREB axis functions as a transcriptional sensor to protect against proteotoxic stress in <i>Drosophila</i> . <i>Cell Death and Disease</i> , 2022, 13, .	2.7	1
8315	Construction of a cross-species cell landscape at single-cell level. <i>Nucleic Acids Research</i> , 2023, 51, 501-516.	6.5	41
8316	Aging of mesenchymal stem cell: machinery, markers, and strategies of fighting. <i>Cellular and Molecular Biology Letters</i> , 2022, 27, .	2.7	32
8317	Walnut consumption and health outcomes with public health relevance—a systematic review of cohort studies and randomized controlled trials published from 2017 to present. <i>Nutrition Reviews</i> , 2022, 81, 26-54.	2.6	7
8318	Age-dependent accumulation of tau aggregation in <i>Caenorhabditis elegans</i> . <i>Frontiers in Aging</i> , 0, 3, .	1.2	6
8319	Metabolic changes in aging humans: current evidence and therapeutic strategies. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	39
8320	Identification of Four Biomarkers of Human Skin Aging by Comprehensive Single Cell Transcriptome, Transcriptome, and Proteomics. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	4
8322	Activity-Dependent Induction of Younger Biological Phenotypes. <i>Advanced Biology</i> , 2022, 6, .	1.4	3
8323	Hyperactivation of the proteasome in <i>Caenorhabditis elegans</i> protects against proteotoxic stress and extends lifespan. <i>Journal of Biological Chemistry</i> , 2022, 298, 102415.	1.6	9
8324	<i>Artemisia argyi</i> exhibits anti-aging effects through decreasing the senescence in aging stem cells. <i>Aging</i> , 2022, 14, 6187-6201.	1.4	4

#	ARTICLE	IF	CITATIONS
8325	The melatonin contained in beer can provide health benefits, due to its antioxidant, anti-inflammatory and immunomodulatory properties. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 3738-3747.	1.7	4
8327	Long-term voluntary wheel running effects on markers of long interspersed nuclear element-1 in skeletal muscle, liver, and brain tissue of female rats. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C907-C919.	2.1	4
8328	Intellectual giftedness in elderly people assessed by Wechsler Adult Intelligence Scale " Fourth Edition: what specific features?. <i>Educational Gerontology</i> , 0, , 1-11.	0.7	1
8329	Regulation and Functions of the ER-Associated Nrf1 Transcription Factor. <i>Cold Spring Harbor Perspectives in Biology</i> , 2023, 15, a041266.	2.3	13
8330	Accelerated neuronal aging in vitro "melting watch". <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
8331	Fatigue in older persons: the role of nutrition. <i>Proceedings of the Nutrition Society</i> , 2023, 82, 39-46.	0.4	5
8332	Mitochondrial uncoupling protein 2 reprograms metabolism to induce oxidative stress and myofibroblast senescence in age-associated lung fibrosis. <i>Aging Cell</i> , 2022, 21, .	3.0	18
8333	Aryl hydrocarbon receptor (AhR) reveals evidence of antagonistic pleiotropy in the regulation of the aging process. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	15
8334	Sensitive detection of abasic sites in double-stranded DNA based on the selective reaction of enzymes. <i>Analytica Chimica Acta</i> , 2022, 1223, 340220.	2.6	2
8335	Adaptive cellular response of the substantia nigra dopaminergic neurons upon age-dependent iron accumulation. <i>Aging Cell</i> , 2022, 21, .	3.0	8
8336	Immunosenescence in atherosclerosis: A role for chronic viral infections. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	14
8337	Supplementing Glycine and N-Acetylcysteine (GlyNAC) in Older Adults Improves Glutathione Deficiency, Oxidative Stress, Mitochondrial Dysfunction, Inflammation, Physical Function, and Aging Hallmarks: A Randomized Clinical Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 75-89.	1.7	30
8338	Gut metabolite trimethylamine N-oxide induces aging-associated phenotype of midbrain organoids for the induced pluripotent stem cell-based modeling of late-onset disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	7
8339	Frailty: understanding the difference between age and ageing. <i>Age and Ageing</i> , 2022, 51, .	0.7	20
8340	FOXO1 differentially regulates bone formation in young and aged mice. <i>Cellular Signalling</i> , 2022, 99, 110438.	1.7	5
8341	Senescence Markers in Peripheral Blood Mononuclear Cells in Amnesic Mild Cognitive Impairment and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9387.	1.8	9
8342	Food for healthier aging: power on your plate. <i>Critical Reviews in Food Science and Nutrition</i> , 2024, 64, 603-616.	5.4	7
8343	1- α -Glycerol-3-phosphoryl-ethanolamine protects human hippocampal neurons from ageing-induced cellular alterations. <i>European Journal of Neuroscience</i> , 2022, 56, 4514-4528.	1.2	1

#	ARTICLE	IF	CITATIONS
8344	Immunosenescence, aging and successful aging. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	35
8345	High-throughput sequencing analysis of nuclear-encoded mitochondrial genes reveals a genetic signature of human longevity. <i>GeroScience</i> , 2023, 45, 311-330.	2.1	5
8346	Wound healing in aged skin exhibits systems-level alterations in cellular composition and cell-cell communication. <i>Cell Reports</i> , 2022, 40, 111155.	2.9	33
8347	Tying together loose ends: telomere instability in cancer and aging. <i>Molecular Oncology</i> , 2022, 16, 3380-3396.	2.1	12
8348	Molecular and histological correlates of cognitive decline across age in male C57BL/6J mice. <i>Brain and Behavior</i> , 2022, 12, .	1.0	7
8349	Cellular senescence and senolytics: the path to the clinic. <i>Nature Medicine</i> , 2022, 28, 1556-1568.	15.2	257
8350	Epigenetics, DNA damage, and aging. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	32
8351	Hybrid Exercise Program for Sarcopenia in Older Adults: The Effectiveness of Explainable Artificial Intelligence-Based Clinical Assistance in Assessing Skeletal Muscle Area. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 9952.	1.2	7
8352	Autophagy in aging-related oral diseases. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
8353	Long-term sulforaphane-treatment restores redox homeostasis and prevents cognitive decline in middleaged female and male rats, but cannot revert previous damage in old animals. <i>Biogerontology</i> , 0, , .	2.0	0
8354	Deciphering clock genes as emerging targets against aging. <i>Ageing Research Reviews</i> , 2022, 81, 101725.	5.0	10
8355	Epigenome-wide Association Study Analysis of Calorie Restriction in Humans, CALERIETM Trial Analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2395-2401.	1.7	7
8356	Phosphoproteome profiling of mouse liver during normal aging. <i>Proteome Science</i> , 2022, 20, .	0.7	4
8357	New Trends in Aging Drug Discovery. <i>Biomedicines</i> , 2022, 10, 2006.	1.4	3
8358	Transcriptional Heterogeneity of Cellular Senescence in Cancer. <i>Molecules and Cells</i> , 2022, 45, 610-619.	1.0	9
8359	Advanced biological age is associated with improved antibody responses in older high-dose influenza vaccine recipients over four consecutive seasons. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	6
8360	Ascorbic acid induces salivary gland function through TET2/acetylcholine receptor signaling in aging SAMP1/Klotho (-/-) mice. <i>Aging</i> , 2022, 14, 6028-6046.	1.4	0
8361	Irisin: A promising treatment for neurodegenerative diseases. <i>Neuroscience</i> , 2022, 498, 289-299.	1.1	8

#	ARTICLE	IF	CITATIONS
8362	Serpine1 drives a cell-autonomous pathogenic signaling in Hutchinsonâ€“Gilford progeria syndrome. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	3
8364	Cellular senescence: a key therapeutic target in aging and diseases. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	115
8365	Hsp90: From Cellular to Organismal Proteostasis. <i>Cells</i> , 2022, 11, 2479.	1.8	9
8366	Ageing desexualizes the <i>Drosophila</i> brain transcriptome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	3
8367	A revised multi-tissue, multi-platform epigenetic clock model for methylation array data. <i>Journal of Mathematical Chemistry</i> , 0, , .	0.7	0
8368	Plasma proteome profiling of healthy individuals across the life span in a Sicilian cohort with long-lived individuals. <i>Aging Cell</i> , 2022, 21, .	3.0	7
8369	Association of aging-related genes with prognosis and immune infiltration in pancreatic adenocarcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	3
8370	Food Antioxidants and Aging: Theory, Current Evidence and Perspectives. <i>Nutraceuticals</i> , 2022, 2, 181-204.	0.6	10
8371	The Interplay between Telomeres, Mitochondria, and Chronic Stress Exposure in the Aging Egg. <i>Cells</i> , 2022, 11, 2612.	1.8	6
8372	A distinct astrocyte subtype in the aging mouse brain characterized by impaired protein homeostasis. <i>Nature Aging</i> , 2022, 2, 726-741.	5.3	21
8373	Alteration of E2F2 Expression in Governing Endothelial Cell Senescence. <i>Genes</i> , 2022, 13, 1522.	1.0	5
8374	Alu hypomethylation in naturally and surgically postmenopausal women; a cross-sectional study. <i>PLoS ONE</i> , 2022, 17, e0273403.	1.1	0
8375	Long term high glucose exposure induces premature senescence in retinal endothelial cells. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	20
8376	Targeting senescent cells for a healthier longevity: the roadmap for an era of global aging. , 2022, 1, 103-119.		41
8377	Downregulating Mitochondrial DNA Polymerase δ in the Muscle Stimulated Autophagy, Apoptosis, and Muscle Aging-Related Phenotypes in <i>Drosophila</i> Adults. <i>Biomolecules</i> , 2022, 12, 1105.	1.8	2
8378	Cellular senescence in neuroinflammatory disease: new therapies for old cells?. <i>Trends in Molecular Medicine</i> , 2022, 28, 850-863.	3.5	14
8379	Aging conundrum: A perspective for ovarian aging. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	19
8380	Artificially stimulating retrotransposon activity increases mortality and accelerates a subset of aging phenotypes in <i>Drosophila</i> . <i>ELife</i> , 0, 11, .	2.8	13

#	ARTICLE	IF	CITATIONS
8384	Premature aging is associated with higher levels of 8-oxoguanine and increased DNA damage in the Polg mutator mouse. <i>Aging Cell</i> , 2022, 21, .	3.0	12
8385	Effects of long-term ethanol storage of blood samples on the estimation of telomere length. <i>Evolutionary Ecology</i> , 2022, 36, 915-931.	0.5	2
8386	CORE at the boundary of stress resistance and longevity. <i>International Journal of Biochemistry and Cell Biology</i> , 2022, , 106277.	1.2	0
8387	Tissue-specific reductions in mitochondrial efficiency and increased ROS release rates during ageing in zebra finches, <i>Taeniopygia guttata</i> . <i>GeroScience</i> , 0, , .	2.1	3
8389	Serine Racemase Expression Differentiates Aging from Alzheimer's Brain. <i>Current Alzheimer Research</i> , 2022, 19, 494-502.	0.7	7
8390	Complement factor B is critical for sub-RPE deposit accumulation in a model of Doyme honeycomb retinal dystrophy with features of age-related macular degeneration. <i>Human Molecular Genetics</i> , 0, , .	1.4	4
8391	Old plasma dilution reduces human biological age: a clinical study. <i>GeroScience</i> , 2022, 44, 2701-2720.	2.1	8
8392	Quantitative Acetylomics Reveals Dynamics of Protein Lysine Acetylation in Mouse Livers During Aging and Upon the Treatment of Nicotinamide Mononucleotide. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100276.	2.5	4
8393	Receptor-mediated mitophagy: An emerging therapeutic target in acute kidney injury. <i>Mitochondrion</i> , 2022, 66, 82-91.	1.6	10
8394	Quantitative proteomics to study aging in rabbit spleen tissues. <i>Experimental Gerontology</i> , 2022, 167, 111908.	1.2	4
8395	Chronic hyperinsulinemia promotes human hepatocyte senescence. <i>Molecular Metabolism</i> , 2022, 64, 101558.	3.0	15
8396	Immunoglobulin G glycans " Biomarkers and molecular effectors of aging. <i>Clinica Chimica Acta</i> , 2022, 535, 30-45.	0.5	11
8397	The damage-independent evolution of ageing by selective destruction. <i>Mechanisms of Ageing and Development</i> , 2022, 207, 111709.	2.2	3
8398	Reduced endosomal microautophagy activity in aging associates with enhanced exocyst-mediated protein secretion. <i>Aging Cell</i> , 2022, 21, .	3.0	13
8399	Carotenoids in Drug Discovery and Medicine: Pathways and Molecular Targets Implicated in Human Diseases. <i>Molecules</i> , 2022, 27, 6005.	1.7	20
8400	A Cellular Senescence-Centric Integrated Approach to Understanding Organismal Aging. <i>Current Aging Science</i> , 2023, 16, 12-24.	0.4	3
8403	Severe psychiatric disorders and general medical comorbidities: inflammation-related mechanisms and therapeutic opportunities. <i>Clinical Science</i> , 2022, 136, 1257-1280.	1.8	2
8405	Nutritional senolytics and senomorphics: Implications to immune cells metabolism and aging " from theory to practice. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	6

#	ARTICLE	IF	CITATIONS
8406	Differences in DNA Methylation-Based Age Prediction Within Twin Pairs Discordant for Cancer. <i>Twin Research and Human Genetics</i> , 0, , 1-9.	0.3	0
8408	Hesperidin augments the health beneficial effects of alternate day fasting in male rats. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2023, 10, 1-11.	0.2	0
8409	Transcriptomics of circulating neutrophils in dairy cows with subclinical hypocalcemia. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	0
8410	Lifetime discrimination in low to middle income mothers and cellular aging: A prospective analysis. <i>Social Science and Medicine</i> , 2022, 311, 115356.	1.8	0
8411	Plasma proteomic signature of major depressive episode in the elderly. <i>Journal of Proteomics</i> , 2022, 269, 104713.	1.2	5
8412	Interplay between aging and other factors of the pathogenesis of age-related macular degeneration. <i>Ageing Research Reviews</i> , 2022, 81, 101735.	5.0	16
8413	Adverse associations of long-term exposure to ambient ozone with molecular biomarkers of aging alleviated by residential greenness in rural Chinese adults. <i>Environment International</i> , 2022, 169, 107496.	4.8	8
8414	Life-course exposure to air pollution and biological ageing in the Lothian Birth Cohort 1936. <i>Environment International</i> , 2022, 169, 107501.	4.8	12
8415	Frailty biomarkers under the perspective of geroscience: A narrative review. <i>Ageing Research Reviews</i> , 2022, 81, 101737.	5.0	25
8416	Dietary intake of deuterium oxide decreases cochlear metabolism and oxidative stress levels in a mouse model of age-related hearing loss. <i>Redox Biology</i> , 2022, 57, 102472.	3.9	2
8417	Exogenous hydrogen sulfide inhibits the senescence of cardiomyocytes through modulating mitophagy in rats. <i>Cellular Signalling</i> , 2022, 100, 110465.	1.7	4
8418	Pharmacological clearance of senescent cells improves cardiac remodeling and function after myocardial infarction in female aged mice. <i>Mechanisms of Ageing and Development</i> , 2022, 208, 111740.	2.2	27
8419	Targeting cellular senescence in metabolic disease. <i>Molecular Metabolism</i> , 2022, 66, 101601.	3.0	17
8420	Does senescence play a role in age-related macular degeneration?. <i>Experimental Eye Research</i> , 2022, 225, 109254.	1.2	4
8421	Environmental Influence on Epigenetics. , 2023, , 639-668.		0
8422	How molecular imaging studies can disentangle disease mechanisms in age-related neurodegenerative disorders. , 2023, , 455-492.		0
8423	Impact of aging on the central nervous system: Approaches for antiaging. , 2023, , 403-412.		0
8424	Prediction of brain age based on the community structure of functional networks. <i>Biomedical Signal Processing and Control</i> , 2023, 79, 104151.	3.5	4

#	ARTICLE	IF	CITATIONS
8425	Programming of early aging. , 2023, , 407-431.		0
8426	Physical frailty. , 2023, , 493-521.		0
8427	Interventions that target fundamental aging mechanisms: myths and realities. , 2023, , 701-724.		0
8428	Identification of metrics of molecular and cellular resilience in humans and animal models. , 2023, , 161-174.		0
8429	Cardiovascular aging. , 2023, , 365-377.		0
8430	Machine learning in the context of better healthcare in aging. , 2023, , 625-647.		0
8431	Aging-related neoplasia. , 2023, , 547-575.		0
8432	Intercellular communication and aging. , 2023, , 257-274.		3
8433	Healthy living and active aging in Latin America and the Caribbean countries: biological, demographic, and epidemiological challenges. , 2023, , 113-157.		0
8434	Impact of aging on extracellular matrix and signal transduction pathways. , 2023, , 53-61.		0
8435	Dermatology and restorative medicine. , 2023, , 289-302.		0
8436	Multidimensional frailty as an outcome of biological aging: immunosenescence and inflammaging in the life course perspective. , 2023, , 577-585.		1
8437	Neurological perspectives on aging. , 2023, , 71-81.		0
8438	Geroscience: a unifying view on aging as a risk factor. , 2023, , 587-600.		0
8439	Personalized medicine: will it work for decreasing age-related morbidities?. , 2023, , 683-700.		2
8440	Moving from reactive to preventive medicine. , 2023, , 663-681.		0
8441	Healthspan Extension through Innovative Genetic Medicines. Plastic and Reconstructive Surgery, 2022, 150, 49S-57S.	0.7	3
8442	Impact of aging at cellular and organ level. , 2022, , 19-39.		1

#	ARTICLE	IF	CITATIONS
8443	The aging: introduction, theories, principles, and future prospective. , 2022, , 1-17.		1
8444	Invertebrate model organisms for aging research. , 2022, , 353-382.		0
8445	Lipid-based nanocosmeceuticals with antiaging potential. , 2022, , 277-305.		0
8446	Is Telomere Length Shortening a Risk Factor for Neurodegenerative Disorders?. Dementia and Neurocognitive Disorders, 2022, 21, 83.	0.4	7
8447	Genetic, molecular and biochemical basis of the auditory aging: lessons from experimental models. Auditis (santa Cruz De Tenerife), 0, 6, .	0.3	0
8449	Antiaging drugs, candidates, and food supplements: the journey so far. , 2022, , 191-239.		1
8450	A plant-based multivitamin, multimineral, and phytonutrient supplementation enhances the DNA repair response to metabolic challenges. Journal of Nutrition and Health, 2022, 55, 450.	0.2	0
8451	Autophagy-inducing nutritional interventions in experimental and clinical oncology. International Review of Cell and Molecular Biology, 2022, , 125-158.	1.6	4
8452	Longevity-promoting properties of ginger extract in <i>Caenorhabditis elegans</i> via the insulin/IGF-1 signaling pathway. Food and Function, 2022, 13, 9893-9903.	2.1	7
8453	Effect of a 12-Week Mixed Training on Body Quality in People Living with HIV: Does Age and HIV Duration Matter?. Journal of Frailty & Aging,the, 0, , .	0.8	0
8454	Green perilla leaf extract ameliorates long-term oxidative stress induced by a high-fat diet in aging mice. Nutrition Research and Practice, 2022, 16, 549.	0.7	2
8455	Role of DNA Damage, Somatic Mutations, Telomere Shortening, and Epigenetic Alterations in Aging and Age-Related Disease. , 2022, , .		0
8456	Subjective Views of Aging and Objective Aging Biomarkers: Achievements and Questions in an Emerging Research Area. International Perspectives on Aging, 2022, , 153-168.	0.2	1
8457	Two new catechins from Zijuan green tea enhance the fitness and lifespan of <i>Caenorhabditis elegans</i> via insulin-like signaling pathways. Food and Function, 2022, 13, 9299-9310.	2.1	8
8459	Longevity and Ageing of World Citizens. Quality of Life in Asia, 2022, , 177-188.	0.1	0
8460	Invertebrate models in translational research. , 2022, , 31-48.		0
8461	Multiple Sclerosis and Aging: The Dynamics of Demyelination and Remyelination. ASN Neuro, 2022, 14, 175909142211185.	1.5	9
8462	Multimorbidity. Lessons From the ICU, 2022, , 111-122.	0.1	0

#	ARTICLE	IF	CITATIONS
8463	Promoting healthy cardiovascular aging: emerging topics. , 2022, 2, 43.		7
8464	Fasting and cancer responses to therapy. International Review of Cell and Molecular Biology, 2022, , 107-123.	1.6	2
8465	DNA damage, epigenetics, and aging. , 2022, , 139-156.		0
8466	Immunological Changes. Lessons From the ICU, 2022, , 69-90.	0.1	0
8467	Acute Respiratory Failure. Lessons From the ICU, 2022, , 441-461.	0.1	0
8468	Redefining microglia states: Lessons and limits of human and mouse models to study microglia states in neurodegenerative diseases. Seminars in Immunology, 2022, 60, 101651.	2.7	7
8469	Function and treatment strategies of β^2 -hydroxybutyrate in aging. Smart Materials in Medicine, 2023, 4, 160-172.	3.7	5
8470	DNA Methylation Clocks in Age-related Disease. , 2023, , 479-495.		0
8471	Potential Anticarcinogenic Effects From Plasma of Older Adults After Exercise Training: An Exploratory Study. Frontiers in Physiology, 0, 13, .	1.3	2
8472	Comparison Of The Gut Microbiota In Different Age Groups In China. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	9
8473	Mediation Effect of Platelet Traits on Associations of Central Obesity with Aging Biomarkers in Rural Adults of Henan, China. Nutrients, 2022, 14, 3597.	1.7	1
8474	Clostridium butyricum Potentially Improves Immunity and Nutrition through Alteration of the Microbiota and Metabolism of Elderly People with Malnutrition in Long-Term Care. Nutrients, 2022, 14, 3546.	1.7	8
8475	Age group $\langle \text{DNA} \rangle$ methylation differences in lemon sharks (<i>Negaprion brevirostris</i>): Implications for future age estimation tools. Ecology and Evolution, 2022, 12, .	0.8	3
8476	New hallmarks of ageing: a 2022 Copenhagen ageing meeting summary. Aging, 2022, 14, 6829-6839.	1.4	123
8477	Comparative genomics of mortal and immortal cnidarians unveils novel keys behind rejuvenation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	19
8478	Phylogenetic Diversity and Anti-aging Activity of Bacteria Isolated from Two Mangrove Tree Habitats of the Beibu Gulf. Russian Journal of Marine Biology, 2022, 48, 276-284.	0.2	0
8480	The C. elegans Observatory: High-throughput exploration of behavioral aging. Frontiers in Aging, 0, 3, .	1.2	9
8482	Influence of Extracellular Vesicles from the Follicular Fluid of Young Women and Women of Advanced Maternal Age with Different miRNA Profiles on Sperm Functional Properties. Bulletin of Experimental Biology and Medicine, 2022, 173, 560-568.	0.3	1

#	ARTICLE	IF	CITATIONS
8483	Hematological Effects and Benchmark Doses of Long-Term Co-Exposure to Benzene, Toluene, and Xylenes in a Follow-Up Study on Petrochemical Workers. <i>Toxics</i> , 2022, 10, 502.	1.6	5
8484	Mitophagy: Critical Role in Atherosclerosis Progression. <i>DNA and Cell Biology</i> , 2022, 41, 851-860.	0.9	6
8485	DNA methylation changes and inflammaging in aging-associated diseases. <i>Epigenomics</i> , 2022, 14, 965-986.	1.0	6
8486	Telomere attrition and inflammation: the chicken and the egg story. <i>Egyptian Journal of Medical Human Genetics</i> , 2022, 23, .	0.5	4
8487	Does Aging Activate T-cells to Reduce Bone Mass and Quality?. <i>Current Osteoporosis Reports</i> , 2022, 20, 326-333.	1.5	3
8488	éÿç%©â®é†è¥á...»ç´ç»„æ^è°fæŽšâ““gã13ăŠ“ç%©â;â‘1/2çš„ç”ç©¶è;â±•. <i>Chinese Science Bulletin</i> , 2022, , .	0.4	0
8489	The landscape of aging. <i>Science China Life Sciences</i> , 2022, 65, 2354-2454.	2.3	110
8490	Physical Activity on Telomere Length as a Biomarker for Aging: A Systematic Review. <i>Sports Medicine - Open</i> , 2022, 8, .	1.3	14
8493	Senescence-Independent Anti-Inflammatory Activity of the Senolytic Drugs Dasatinib, Navitoclax, and Venetoclax in Zebrafish Models of Chronic Inflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10468.	1.8	5
8495	Molecular inhibition of RAS signalling to target ageing and age-related health. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	3
8496	Sirtfoods: New Concept Foods, Functions, and Mechanisms. <i>Foods</i> , 2022, 11, 2955.	1.9	9
8498	Small RNA sequencing in hypoxic naked moleâ€rat hearts suggests microRNA regulation of RNAâ€and translationâ€related processes. <i>FEBS Letters</i> , 0, , .	1.3	2
8499	Mitochondrial DNA Repair in Neurodegenerative Diseases and Ageing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11391.	1.8	14
8500	Molecular Nanoparticles of Ferricâ€Tannic Complexes Enhance Brain Magnetic Resonance Imaging and Activate Brain Clearance Pathways. <i>Analytical Chemistry</i> , 2022, 94, 12960-12970.	3.2	3
8501	TXNIP Exacerbates the Senescence and Aging-Related Dysfunction of Î² Cells by Inducing Cell Cycle Arrest Through p38-p16/p21-CDK-Rb Pathway. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 480-495.	2.5	3
8502	The emergent role of mitochondrial surveillance in cellular health. <i>Aging Cell</i> , 2022, 21, .	3.0	14
8503	YAP/TAZ links mechanosensing to aging. , 0, , .		2
8504	Mast cells as biomarkers of inflamm-ageing. <i>Russian Journal of Immunology: RJI: Official Journal of Russian Society of Immunology</i> , 2022, 25, 299-304.	0.2	1

#	ARTICLE	IF	CITATIONS
8506	Age-Associated Loss in Renal Nestin-Positive Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11015.	1.8	2
8508	Liver-originated small extracellular vesicles with TM4SF5 target brown adipose tissue for homeostatic glucose clearance. <i>Journal of Extracellular Vesicles</i> , 2022, 11, .	5.5	5
8509	Effects of a 24-Week Exercise Program on Functional Fitness, Oxidative Stress, and Salivary Cortisol Levels in Elderly Subjects. <i>Medicina (Lithuania)</i> , 2022, 58, 1341.	0.8	3
8510	Cellular senescence and cardiovascular diseases: moving to the "heart" of the problem. <i>Physiological Reviews</i> , 2023, 103, 609-647.	13.1	26
8511	Evaluation of antioxidant, anti-inflammatory and antidiabetic activities of green synthesized silver nanoparticles and in vivo plant extracts of <i>Nothapodytes foetida</i> . <i>Vegetos</i> , 0, , .	0.8	1
8512	The association of measures of body shape and adiposity with incidence of cardiometabolic disease from an ageing perspective. <i>GeroScience</i> , 0, , .	2.1	0
8513	Telomeres and oocyte maturation rate are not reduced by COVID-19 except in severe cases. <i>Reproduction</i> , 2022, 164, 259-267.	1.1	5
8514	Somatic loss of the Y chromosome is associated with arsenic exposure among Bangladeshi men. <i>International Journal of Epidemiology</i> , 0, , .	0.9	3
8515	The intersection between toxicology and aging research: A toxic aging coin perspective. <i>Frontiers in Aging</i> , 0, 3, .	1.2	1
8516	Biologia Futura: four questions about ageing and the future of relevant animal models. <i>Biologia Futura</i> , 2022, 73, 385-391.	0.6	2
8517	The role of oxidative stress in the development of knee osteoarthritis: A comprehensive research review. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	30
8518	The pathophysiology of osteoporosis in obesity and type 2 diabetes in aging women and men: The mechanisms and roles of increased bone marrow adiposity. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	17
8520	Meiotic dysfunction accelerates somatic aging in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2022, 21, .	3.0	5
8521	This Old Neighborhood Made M1 this Way. <i>Journal of Investigative Dermatology</i> , 2022, , .	0.3	0
8522	Sex- and age-dependent genetics of longevity in a heterogeneous mouse population. <i>Science</i> , 2022, 377, .	6.0	29
8523	Sex differences in frailty of geriatric outpatients with type 2 diabetes mellitus: a multicentre cross-sectional study. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8524	Reprogramming of proteasomal degradation by branched chain amino acid metabolism. <i>Aging Cell</i> , 2022, 21, .	3.0	5
8525	Therapeutics That Can Potentially Replicate or Augment the Anti-Aging Effects of Physical Exercise. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9957.	1.8	4

#	ARTICLE	IF	CITATIONS
8526	Aging is associated with increased chromatin accessibility and reduced polymerase pausing in liver. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	13
8527	Whole-exome sequencing in 415,422 individuals identifies rare variants associated with mitochondrial DNA copy number. <i>Human Genetics and Genomics Advances</i> , 2023, 4, 100147.	1.0	2
8529	Phosphatidylethanolamine N-Methyltransferase Knockout Modulates Metabolic Changes in Aging Mice. <i>Biomolecules</i> , 2022, 12, 1270.	1.8	3
8530	A role for artificial intelligence in molecular imaging of infection and inflammation. <i>European Journal of Hybrid Imaging</i> , 2022, 6, .	0.6	5
8531	H3K9me1/2 methylation limits the lifespan of daf-2 mutants in <i>C. elegans</i> . <i>ELife</i> , 0, 11, .	2.8	8
8532	Individual Genetic Heterogeneity. <i>Genes</i> , 2022, 13, 1626.	1.0	3
8533	Effect of Vitamin D ₃ and Omega-3 Fatty Acid Supplementation on Risk of Frailty. <i>JAMA Network Open</i> , 2022, 5, e2231206.	2.8	21
8534	Multidimensional associations between nutrient intake and healthy ageing in humans. <i>BMC Biology</i> , 2022, 20, .	1.7	6
8535	Role of 3D Printing in the Development of Biodegradable Implants for Central Nervous System Drug Delivery. <i>Molecular Pharmaceutics</i> , 2022, 19, 4411-4427.	2.3	8
8536	The Effects of Mindfulness Interventions on Fibromyalgia in Adults aged 65 and Older: A Window to Effective Therapy. <i>Journal of Clinical Psychology in Medical Settings</i> , 2023, 30, 543-560.	0.8	1
8537	The Role of Hypoxia-Inducible Factor in the Mechanisms of Aging. <i>Biochemistry (Moscow)</i> , 2022, 87, 995-1014.	0.7	2
8538	Somatic variation in normal tissues: friend or foe of cancer early detection?. <i>Annals of Oncology</i> , 2022, 33, 1239-1249.	0.6	12
8539	Antioxidant mechanism of modified Qiongyu paste against aging based on network pharmacology and experimental validation. <i>Journal of Traditional Chinese Medical Sciences</i> , 2022, , .	0.1	0
8542	Could aging evolve as a pathogen control strategy?. <i>Trends in Ecology and Evolution</i> , 2022, 37, 1046-1057.	4.2	7
8544	Actin-Related Protein 4 and Linker Histone Sustain Yeast Replicative Ageing. <i>Cells</i> , 2022, 11, 2754.	1.8	1
8545	Predictors of Healthcare Utilization Among Older Adults with Moderate to Severe Cognitive Limitations in Ghana: A Cross-Sectional Analysis of the WHO Study on Global Ageing and Adult Health (SAGE) Wave 1. <i>Current Alzheimer Research</i> , 2022, 19, 585-605.	0.7	1
8547	Alternate day fasting and time-restricted feeding may confer similar neuroprotective effects during aging in male rats. <i>Biogerontology</i> , 2022, 23, 757-770.	2.0	3
8548	Links of Cytoskeletal Integrity with Disease and Aging. <i>Cells</i> , 2022, 11, 2896.	1.8	13

#	ARTICLE	IF	CITATIONS
8549	Evaluation of genetic instability, oxidative stress, and metabolism-related gene polymorphisms in workers exposed to waste anesthetic gases. <i>Environmental Science and Pollution Research</i> , 2023, 30, 9609-9623.	2.7	3
8550	Advanced age is associated with changes in alveolar macrophages and their responses to the stress of traumatic injury. <i>Journal of Leukocyte Biology</i> , 2022, 112, 1371-1386.	1.5	0
8552	DNA damage response and GATA4 signaling in cellular senescence and aging-related pathology. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
8553	The epigenetic aging, obesity, and lifestyle. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	15
8554	Potential Role of Polyphenolic Flavonoids as Senotherapeutic Agents in Degenerative Diseases and Geroprotection. <i>Pharmaceutical Medicine</i> , 2022, 36, 331-352.	1.0	9
8555	Sexual dimorphism in the response to dietary restriction in mice: A systematic review of the literature. <i>Nutrition and Healthy Aging</i> , 2022, 7, 87-120.	0.5	2
8556	La epigenética como protagonista en la senescencia celular. <i>Revista Universitas Medica</i> , 2022, 63, .	0.0	0
8558	Aging-regulated TUG1 is dispensable for endothelial cell function. <i>PLoS ONE</i> , 2022, 17, e0265160.	1.1	3
8559	Keep calm and transcribe on: chromatin changes with age, but transcription can learn to live with it. <i>Molecular Systems Biology</i> , 2022, 18, .	3.2	0
8560	Epigenetic aging as a biomarker of dementia and related outcomes: a systematic review. <i>Epigenomics</i> , 2022, 14, 1125-1138.	1.0	21
8561	The role of p53 in the alternation of vascular functions. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	11
8562	Aging exacerbates the brain inflammatory micro-environment contributing to α -synuclein pathology and functional deficits in α mouse model of DLB/PD. <i>Molecular Neurodegeneration</i> , 2022, 17, .	4.4	13
8563	Errors of the Egg: The Establishment and Progression of Human Aneuploidy Research in the Maternal Germline. <i>Annual Review of Genetics</i> , 2022, 56, 369-390.	3.2	10
8564	Biological characteristics and pulp regeneration potential of stem cells from canine deciduous teeth compared with those of permanent teeth. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	3
8565	Diagnostic Potential of microRNAs in Extracellular Vesicles Derived from Bronchoalveolar Lavage Fluid for Pneumonia—A Preliminary Report. <i>Cells</i> , 2022, 11, 2961.	1.8	3
8566	3-Bromopyruvate, a caloric restriction mimetic, exerts a mitohormetic effect to provide neuroprotection through activation of autophagy in rats during aging. <i>Biogerontology</i> , 2022, 23, 641-652.	2.0	4
8567	Genetic, Social, and Lifestyle Drivers of Healthy Aging and Longevity. <i>Current Genetic Medicine Reports</i> , 0, , .	1.9	0
8568	Using reporters of different misfolded proteins reveals differential strategies in processing protein aggregates. <i>Journal of Biological Chemistry</i> , 2022, 298, 102476.	1.6	7

#	ARTICLE	IF	CITATIONS
8569	Lotus germ extract rejuvenates aging fibroblasts via restoration of disrupted proteostasis by the induction of autophagy. <i>Aging</i> , 2022, 14, 7662-7691.	1.4	1
8570	Computational POM and DFT evaluation of phycocyanin and its derivatives as a potential anticancer agent. <i>Materials Today: Proceedings</i> , 2023, 72, 3669-3676.	0.9	0
8571	Gastrointestinal problem among Indian adults: Evidence from longitudinal aging study in India 2017â€“18. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	4
8572	The role of aging in cancer. <i>Molecular Oncology</i> , 2022, 16, 3213-3219.	2.1	7
8574	Possibilities of using T-cell biophysical biomarkers of ageing. <i>Expert Reviews in Molecular Medicine</i> , 2022, 24, .	1.6	2
8575	Demand Coupling Drives Neurodegeneration: A Model of Age-Related Cognitive Decline and Dementia. <i>Cells</i> , 2022, 11, 2789.	1.8	2
8576	Multi-omics analysis reveals the hostâ€“microbe interactions in aged rhesus macaques. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	4
8577	Mesenchymal stem cells derived from patients with premature aging syndromes display hallmarks of physiological aging. <i>Life Science Alliance</i> , 2022, 5, e202201501.	1.3	3
8578	Better care for older patients with complex multimorbidity and frailty: a call to action. <i>The Lancet Healthy Longevity</i> , 2022, 3, e581-e583.	2.0	1
8580	A moderate static magnetic field promotes <i>C. elegans</i> longevity through cytochrome P450s. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
8581	Organization, dynamics and mechanoregulation of integrin-mediated cellâ€“ECM adhesions. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 142-161.	16.1	91
8582	Ginsenoside Rb1 improves intestinal aging via regulating the expression of sirtuins in the intestinal epithelium and modulating the gut microbiota of mice. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
8583	Ontogenetic Principles of Accelerated Aging and the Prospects for Its Prevention and Treatment. <i>Advances in Gerontology</i> , 2022, 12, 294-304.	0.1	0
8584	Physical Function and Subsequent Risk of Cardiovascular Events in Older Adults: The Atherosclerosis Risk in Communities Study. <i>Journal of the American Heart Association</i> , 2022, 11, .	1.6	6
8585	Obligatory Role of AMPK Activation and Antioxidant Defense Pathway in the Regulatory Effects of Metformin on Cellular Protection and Prevention of Lens Opacity. <i>Cells</i> , 2022, 11, 3021.	1.8	3
8586	RNA modifications in aging-associated cardiovascular diseases. <i>Aging</i> , 2022, 14, 8110-8136.	1.4	2
8588	Causal association of epigenetic aging and COVID-19 severity and susceptibility: A bidirectional Mendelian randomization study. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	16
8589	Lysosomal Ion Channels: What Are They Good For and Are They Druggable Targets?. <i>Annual Review of Pharmacology and Toxicology</i> , 2023, 63, 19-41.	4.2	12

#	ARTICLE	IF	CITATIONS
8590	Progeria and Agingâ€”Omics Based Comparative Analysis. <i>Biomedicines</i> , 2022, 10, 2440.	1.4	3
8591	Inflammatory biomarkers after an exercise intervention in childhood acute lymphoblastic leukemia survivors. <i>EJHaem</i> , 2022, 3, 1188-1200.	0.4	0
8592	Crosstalk between age accumulated DNA-damage and the SIRT1-AKT-GSK3ÅŸ axis in urine derived renal progenitor cells. <i>Aging</i> , 0, , .	1.4	0
8593	Pilot study on accelerated aging in lupus using epigenetic biomarkers of age. <i>Lupus</i> , 0, , 096120332211309.	0.8	0
8594	Delayed effects of radiation in adipose tissue reflect progenitor damage and not cellular senescence. <i>GeroScience</i> , 0, , .	2.1	2
8595	The Antiaging Activities of Phytochemicals in Dark-Colored Plant Foods: Involvement of the Autophagy- and Apoptosis-Associated Pathways. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11038.	1.8	0
8596	Exercise regulates shelterin genes and microRNAs implicated in ageing in Thoroughbred horses. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 1159-1169.	1.3	2
8597	Pharmacological targeting of CBP/p300 drives a redox/autophagy axis leading to senescence-induced growth arrest in non-small cell lung cancer cells. <i>Cancer Gene Therapy</i> , 2023, 30, 124-136.	2.2	6
8598	Systematic metabolic characterization of mental disorders reveals ageâ€”related metabolic disturbances as potential risk factors for depression in older adults. <i>MedComm</i> , 2022, 3, .	3.1	2
8599	Tiny <i>Drosophila</i> intestinal stem cells, big power. <i>Cell Biology International</i> , 0, , .	1.4	0
8600	Microbiota-Gut-Brain Axis Regulation of Adult Hippocampal Neurogenesis. <i>Brain Plasticity</i> , 2022, 8, 97-119.	1.9	21
8601	Characterization of age-related immune features after autologous NK cell infusion: Protocol for an open-label and randomized controlled trial. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
8602	Umbilical cord plasma concentrate has beneficial effects on <sc>DNA</sc> methylation <sc>GrimAge</sc> and human clinical biomarkers. <i>Aging Cell</i> , 2022, 21, .	3.0	12
8605	Identification of cell senescence molecular subtypes in prediction of the prognosis and immunotherapy of hepatitis B virus-related hepatocellular carcinoma. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
8608	A set of common buccal CpGs that predict epigenetic age and associate with lifespan-regulating genes. <i>IScience</i> , 2022, 25, 105304.	1.9	2
8609	An optimized mouse parabiosis protocol for investigation of aging and rejuvenative mechanisms. <i>Frontiers in Aging</i> , 0, 3, .	1.2	2
8610	In vivo stress reporters as early biomarkers of the cellular changes associated with progeria. <i>Journal of Cellular and Molecular Medicine</i> , 0, , .	1.6	1
8611	Restoration of Lysosomal and Mitochondrial Function Through p38 Mitogen-Activated Protein Kinase Inhibition Ameliorates Senescence. <i>Rejuvenation Research</i> , 2022, 25, 291-299.	0.9	1

#	ARTICLE	IF	CITATIONS
8612	Leukocyte Telomere Length in Children With Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2023, 108, 443-452.	1.8	0
8613	Adipose tissue aging: An update on mechanisms and therapeutic strategies. <i>Metabolism: Clinical and Experimental</i> , 2023, 138, 155328.	1.5	6
8614	Age-dependent aggregation of ribosomal RNA-binding proteins links deterioration in chromatin stability with challenges to proteostasis. <i>ELife</i> , 0, 11, .	2.8	7
8616	Tissue-specific impacts of aging and genetics on gene expression patterns in humans. <i>Nature Communications</i> , 2022, 13, .	5.8	23
8617	Single-cell epigenome analysis reveals age-associated decay of heterochromatin domains in excitatory neurons in the mouse brain. <i>Cell Research</i> , 2022, 32, 1008-1021.	5.7	16
8618	Endogenous Vasoactive Peptides and Vascular Aging-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-22.	1.9	1
8619	Gut microbiome changes due to sleep disruption in older and younger individuals: a case for sarcopenia?. <i>Sleep</i> , 2022, 45, .	0.6	7
8621	AgeAnno: a knowledgebase of single-cell annotation of aging in human. <i>Nucleic Acids Research</i> , 2023, 51, D805-D815.	6.5	13
8622	Aging compromises human islet beta cell function and identity by decreasing transcription factor activity and inducing ER stress. <i>Science Advances</i> , 2022, 8, .	4.7	19
8623	Drugs, clocks and exercise in ageing: hype and hope, fact and fiction. <i>Journal of Physiology</i> , 2023, 601, 2057-2068.	1.3	7
8624	Centenarians consistently present a younger epigenetic age than their chronological age with four epigenetic clocks based on a small number of CpG sites. <i>Aging</i> , 2022, 14, 7718-7733.	1.4	11
8625	<i>Caenorhabditis elegans</i> as an emerging model in food and nutrition research: importance of standardizing base diet. <i>Critical Reviews in Food Science and Nutrition</i> , 0, , 1-19.	5.4	4
8626	Age-related macular degeneration and myeloproliferative neoplasms – A common pathway. <i>Acta Ophthalmologica</i> , 2022, 100, 3-35.	0.6	3
8627	Efficiency of Protein Renewal Is Limited by Feed Intake and Not by Protein Lifetime in Aging <i>Caenorhabditis elegans</i> . <i>Journal of Proteome Research</i> , 0, , .	1.8	0
8628	Epigenetic clock: A promising biomarker and practical tool in aging. <i>Ageing Research Reviews</i> , 2022, 81, 101743.	5.0	47
8629	Immunosenescence of brain accelerates Alzheimer's disease progression. <i>Reviews in the Neurosciences</i> , 2023, 34, 85-101.	1.4	3
8630	Aging, Skeletal Muscle, and Epigenetics. <i>Plastic and Reconstructive Surgery</i> , 2022, 150, 27S-33S.	0.7	3
8631	Targeting Cellular Senescence for Age-Related Diseases: Path to Clinical Translation. <i>Plastic and Reconstructive Surgery</i> , 2022, 150, 20S-26S.	0.7	11

#	ARTICLE	IF	CITATIONS
8632	Cellular Senescence in Aging, Tissue Repair, and Regeneration. <i>Plastic and Reconstructive Surgery</i> , 2022, 150, 4S-11S.	0.7	11
8633	The Role of NAD+ in Regenerative Medicine. <i>Plastic and Reconstructive Surgery</i> , 2022, 150, 41S-48S.	0.7	4
8634	Resilience: Biological Basis and Clinical Significance - A Perspective Report from the International Conference on Frailty and Sarcopenia Research (ICFSR) Task Force. <i>Journal of Frailty & Aging</i> , the, 0, , .	0.8	1
8635	Assessing polyglutamine tract aggregation in the nematode <i>Caenorhabditis elegans</i> . <i>Methods in Cell Biology</i> , 2024, , 1-15.	0.5	0
8636	Scale bar of aging trajectories for screening personal rejuvenation treatments. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 5750-5760.	1.9	0
8637	Metabolic alterations on adipose tissue and kidney during aging: role of caloric restriction.. , 0, , .		0
8638	Oridonin acts as a novel senolytic by targeting glutathione <i>S</i> -transferases to activate the ROS-p38 signaling axis in senescent cells. <i>Chemical Communications</i> , 2022, 58, 13250-13253.	2.2	4
8639	Anti-aging potency correlates with metabolites from <i>in vitro</i> fermentation of edible fungal polysaccharides using human fecal intestinal microflora. <i>Food and Function</i> , 2022, 13, 11592-11603.	2.1	8
8640	A single short reprogramming early in life initiates and propagates an epigenetically related mechanism improving fitness and promoting an increased healthy lifespan. <i>Aging Cell</i> , 2022, 21, .	3.0	29
8641	Comparative analysis of bioactive-phytochemical characteristics, antioxidants activities, and anti-inflammatory properties of selected black rice germ and bran (<i>Oryza sativa</i> L.) varieties. <i>European Food Research and Technology</i> , 2023, 249, 451-464.	1.6	5
8643	Identification and validation of genetic signature associated with aging in chronic obstructive pulmonary disease. <i>Aging</i> , 0, , .	1.4	0
8644	Senotherapeutics and Their Molecular Mechanism for Improving Aging. <i>Biomolecules and Therapeutics</i> , 2022, 30, 490-500.	1.1	8
8645	MUC22, HLA-A, and HLA-DOB variants and COVID-19 in resilient super-agers from Brazil. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
8646	Multisystem physiological perspective of human frailty and its modulation by physical activity. <i>Physiological Reviews</i> , 2023, 103, 1137-1191.	13.1	24
8647	The Therapeutic Potential of the Endocannabinoid System in Age-Related Diseases. <i>Biomedicines</i> , 2022, 10, 2492.	1.4	4
8648	Identification and Development of an Age-Related Classification and Signature to Predict Prognosis and Immune Landscape in Osteosarcoma. <i>Journal of Oncology</i> , 2022, 2022, 1-27.	0.6	1
8649	The Tumor Microenvironment of Medulloblastoma: An Intricate Multicellular Network with Therapeutic Potential. <i>Cancers</i> , 2022, 14, 5009.	1.7	6
8650	Autophagy activation can partially rescue proteasome dysfunction-mediated cardiac toxicity. <i>Aging Cell</i> , 2022, 21, .	3.0	10

#	ARTICLE	IF	CITATIONS
8651	Identification of the common differentially expressed genes and pathogenesis between neuropathic pain and aging. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	3
8652	Telomere length, oxidative and epigenetic changes in blood DNA of patients with exacerbated psoriasis vulgaris. <i>Anais Brasileiros De Dermatologia</i> , 2023, 98, 68-74.	0.5	1
8653	TFEB; Beyond Its Role as an Autophagy and Lysosomes Regulator. <i>Cells</i> , 2022, 11, 3153.	1.8	28
8654	Senescent cells in the brain and where to find them. <i>FEBS Journal</i> , 2023, 290, 1256-1266.	2.2	6
8655	The Central Nervous Mechanism of Stress-Promoting Cancer Progression. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12653.	1.8	3
8657	Nicandra physalodes Extract Exerts Antiaging Effects in Multiple Models and Extends the Lifespan of <i>Caenorhabditis elegans</i> via DAF-16 and HSF-1. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	1
8658	Association between Sociodemographic Factors, Coverage and Offer of Health Services with Mortality Due to Oral and Oropharyngeal Cancer in Brazil: A 20-Year Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 13208.	1.2	3
8660	Cellular Senescence in Immunity against Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11845.	1.8	11
8662	Small extracellular vesicles from young adipose-derived stem cells prevent frailty, improve health span, and decrease epigenetic age in old mice. <i>Science Advances</i> , 2022, 8, .	4.7	35
8663	The metabolomics of human aging: Advances, challenges, and opportunities. <i>Science Advances</i> , 2022, 8, .	4.7	31
8664	Mitochondrial biogenesis, telomere length and cellular senescence in Parkinson's disease and Lewy body dementia. <i>Scientific Reports</i> , 2022, 12, .	1.6	13
8665	Identification of senescence-associated long non-coding RNAs to predict prognosis and immune microenvironment in patients with hepatocellular carcinoma. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	3
8666	Composition of the infiltrating immune cells in the brain of healthy individuals: effect of aging. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	6
8667	Trimethylamine N-oxide: role in cell senescence and age-related diseases. <i>European Journal of Nutrition</i> , 0, , .	1.8	3
8668	Ageing decreases the healing of wounds in the skin of alcohol-preferring rats. <i>Journal of Wound Care</i> , 2022, 31, 872-881.	0.5	0
8669	Immunosenescence, Inflammaging, and Lung Senescence in Asthma in the Elderly. <i>Biomolecules</i> , 2022, 12, 1456.	1.8	14
8670	The ABC-associated immunosenescence and lifestyle interventions in autoimmune disease. <i>Rheumatology and Immunology Research</i> , 2022, 3, 128-135.	0.2	3
8671	Nanoantioxidants: The Fourth Generation of Antioxidants's Recent Research Roadmap and Future Perspectives. <i>Coatings</i> , 2022, 12, 1568.	1.2	4

#	ARTICLE	IF	CITATIONS
8672	Research priorities for measuring biologic age: summary and future directions from the Research Centers Collaborative Network Workshop. <i>GeroScience</i> , 2022, 44, 2573-2583.	2.1	6
8674	Nobiletin Prevents D-Galactose-Induced C2C12 Cell Aging by Improving Mitochondrial Function. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11963.	1.8	8
8675	A comparative study of metformin and nicotinamide riboside in alleviating tissue aging in rats. , 2023, 2, .		11
8677	Correlating viscosity and molecular crowding with fluorescent nanobeads and molecular probes: <i>in vitro</i> and <i>in vivo</i> . <i>Interface Focus</i> , 2022, 12, .	1.5	4
8678	Untargeted muscle tissue metabolites profiling in young, adult, and old rats supplemented with tocotrienol-rich fraction. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	2
8679	Several areas of overlap between obesity and aging indicate obesity as a biomarker of accelerated aging of human B cell function and antibody responses. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	6
8680	Artificial neural networks for non-linear age correction of diffusion metrics in the brain. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	2
8681	Sex Specific Differences in Response to Calorie Restriction in Skeletal Muscle of Young Rats. <i>Nutrients</i> , 2022, 14, 4535.	1.7	2
8682	The nexus between peroxisome abundance and chronological ageing in <i>Saccharomyces cerevisiae</i> . <i>Biogerontology</i> , 2023, 24, 81-97.	2.0	3
8683	Therapeutic Antiaging Strategies. <i>Biomedicines</i> , 2022, 10, 2515.	1.4	11
8684	Immunosenescence of T cells: a key player in rheumatoid arthritis. <i>Inflammation Research</i> , 2022, 71, 1449-1462.	1.6	12
8685	Mitochondrial adaptations to calorie restriction and bariatric surgery in human skeletal muscle: a systematic review with meta-analysis. <i>Metabolism: Clinical and Experimental</i> , 2023, 138, 155336.	1.5	6
8686	Recent Advances in the Aging Microenvironment of Breast Cancer. <i>Cancers</i> , 2022, 14, 4990.	1.7	1
8687	Comorbidity phenotypes and risk of mortality in patients with osteoarthritis in the UK: a latent class analysis. <i>Arthritis Research and Therapy</i> , 2022, 24, .	1.6	5
8689	Forever young: Sphk2 in HSCs, when less is more. <i>Blood</i> , 2022, 140, 1658-1660.	0.6	0
8692	Dâ€galactoseâ€induced cardiac ageing: A review of model establishment and potential interventions. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 5335-5359.	1.6	5
8693	TFIIH mutations can impact on translational fidelity of the ribosome. <i>Human Molecular Genetics</i> , 2023, 32, 1102-1113.	1.4	3
8697	Alzheimerâ€™s Disease: From Immune Homeostasis to Neuroinflammatory Condition. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13008.	1.8	13

#	ARTICLE	IF	CITATIONS
8698	Cytochrome b5 reductases: Redox regulators of cell homeostasis. <i>Journal of Biological Chemistry</i> , 2022, 298, 102654.	1.6	13
8699	Exploration of mitochondrial defects in sarcopenic hip fracture patients. <i>Heliyon</i> , 2022, 8, e11143.	1.4	0
8701	DNA damage-mediated cellular senescence promotes hand-foot syndrome that can be relieved by thymidine prodrug. <i>Genes and Diseases</i> , 2023, 10, 2557-2571.	1.5	2
8702	A pro-oxidant combination of resveratrol and copper down-regulates multiple biological hallmarks of ageing and neurodegeneration in mice. <i>Scientific Reports</i> , 2022, 12, .	1.6	8
8703	Mitophagy in the aging nervous system. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	7
8704	Exploratory studies of oral and fecal microbiome in healthy human aging. <i>Frontiers in Aging</i> , 0, 3, .	1.2	5
8706	Mutant Ataxin-2 Expression in Aged Animals Aggravates Neuropathological Features Associated with Spinocerebellar Ataxia Type 2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11896.	1.8	0
8707	Loss of immune regulation in aged T-cells: A metabolic review to show lack of ability to control responses within the self. <i>Human Immunology</i> , 2022, 83, 808-817.	1.2	2
8708	The multiple roles of life stress in metabolic disorders. <i>Nature Reviews Endocrinology</i> , 2023, 19, 10-27.	4.3	39
8709	Repurposing SGLT-2 Inhibitors to Target Aging: Available Evidence and Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12325.	1.8	12
8710	Innate immunity dysregulation in aging eye and therapeutic interventions. <i>Ageing Research Reviews</i> , 2022, 82, 101768.	5.0	3
8711	Immune senescence and periodontitis: From mechanism to therapy. <i>Journal of Leukocyte Biology</i> , 2022, 112, 1025-1040.	1.5	3
8712	The natural product rotundic acid treats both aging and obesity by inhibiting PTP1B. , 2022, 1, 372-386.		2
8713	A study of the molecular mechanism of quercetin and dasatinib combination as senolytic in alleviating age-related and kidney diseases. <i>Journal of Food Biochemistry</i> , 2022, 46, .	1.2	4
8714	ROS: Basic Concepts, Sources, Cellular Signaling, and its Implications in Aging Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-23.	1.9	29
8715	Mitochondria dysfunction and impaired response to oxidative stress promotes proteostasis disruption in aged human cells. <i>Mitochondrion</i> , 2023, 69, 1-9.	1.6	8
8716	Unravelling the impact of aging on the human endothelial lncRNA transcriptome. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	3
8717	Unraveling Parkinson's Disease Neurodegeneration: Does Aging Hold the Clues?. <i>Journal of Parkinson's Disease</i> , 2022, 12, 2321-2338.	1.5	9

#	ARTICLE	IF	CITATIONS
8720	Unfolded protein response <sc>IRE1</sc>/<sc>XBP1</sc> signaling is required for healthy mammalian brain aging. <i>EMBO Journal</i> , 2022, 41, .	3.5	19
8721	Epigenetics, ovarian cell plasticity, and platelet-rich plasma: Mechanistic theories. <i>Reproduction and Fertility</i> , 2022, 3, C44-C51.	0.6	2
8722	Chronic exposure to dim light at night disrupts cell-mediated immune response and decreases longevity in aged female mice. <i>Chronobiology International</i> , 0, , 1-10.	0.9	1
8723	Impact of Nintinâ€™yoeito on frailty and short life in klotho-hypomorphic (kl/kl) mice. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
8724	Assessment and Management of Declining Physical Function in Aging Dogs. <i>Topics in Companion Animal Medicine</i> , 2022, , 100732.	0.4	3
8725	A Novel Strategy to Model Age-Related Cancer for Elucidation of the Role of Th17 Inflammaging in Cancer Progression. <i>Cancers</i> , 2022, 14, 5185.	1.7	1
8726	Spotlighting adult stem cells: advances, pitfalls, and challenges. <i>Trends in Cell Biology</i> , 2023, 33, 477-494.	3.6	4
8727	An anti-inflammatory transcriptional cascade conserved from flies to humans. <i>Cell Reports</i> , 2022, 41, 111506.	2.9	4
8728	Neutrophils in aging and agingâ€™related pathologies. <i>Immunological Reviews</i> , 2023, 314, 357-375.	2.8	17
8729	Fundamental roles for inter-organelle communication in aging. <i>Biochemical Society Transactions</i> , 2022, 50, 1389-1402.	1.6	4
8730	Evo-devo perspectives on cancer. <i>Essays in Biochemistry</i> , 2022, 66, 797-815.	2.1	2
8731	Recent advances in cellâ€™based and cellâ€™free therapeutic approaches for sarcopenia. <i>FASEB Journal</i> , 2022, 36, .	0.2	2
8733	The unfolded protein response reverses the effects of glucose on lifespan in chemically-sterilized <i>C. elegans</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	5
8734	Donkey whey protein and peptides regulate gut microbiota community and physiological functions of Dâ€™galactoseâ€™induced aging mice. <i>Food Science and Nutrition</i> , 2023, 11, 752-764.	1.5	2
8735	<sc>DNA</sc> damage contributes to ageâ€™associated differences in <sc>SARSâ€™CoV</sc>â€™2 infection. <i>Aging Cell</i> , 2022, 21, .	3.0	10
8736	Early onset of immune-mediated diseases in minority ethnic groups in the UK. <i>BMC Medicine</i> , 2022, 20, .	2.3	5
8737	The use of progeroid DNA repair-deficient mice for assessing anti-aging compounds, illustrating the benefits of nicotinamide riboside. <i>Frontiers in Aging</i> , 0, 3, .	1.2	5
8738	<i>Caenorhabditis elegans</i> as a Model for the Effects of Phytochemicals on Mitochondria and Aging. <i>Biomolecules</i> , 2022, 12, 1550.	1.8	1

#	ARTICLE	IF	CITATIONS
8739	Zebrafish models of COVID-19. <i>FEMS Microbiology Reviews</i> , 2023, 47, .	3.9	6
8740	An emerging role of astrocytes in aging/neuroinflammation and gut-brain axis with consequences on sleep and sleep disorders. <i>Ageing Research Reviews</i> , 2023, 83, 101775.	5.0	14
8741	Mitochondrial dysfunction in people with HIV receiving contemporary antiretroviral therapy. <i>Aids</i> , 2022, 36, 2063-2064.	1.0	1
8742	The Association between Dietary Magnesium Intake and Telomere Length in Adults with Hypertension. <i>Journal of Nutrition, Health and Aging</i> , 2022, 26, 1010-1015.	1.5	0
8743	Age-related mechanisms in the context of rheumatic disease. <i>Nature Reviews Rheumatology</i> , 2022, 18, 694-710.	3.5	10
8744	Navitoclax (ABT-263) Rejuvenates Human Skin by Eliminating Senescent Dermal Fibroblasts in a Mouse/Human Chimeric Model. <i>Rejuvenation Research</i> , 2023, 26, 9-20.	0.9	5
8745	The Naked Mole-Rat as a Model for Healthy Aging. <i>Annual Review of Animal Biosciences</i> , 2023, 11, 207-226.	3.6	12
8746	RNAseq Analysis of Brain Aging in Wild Specimens of Short-Lived Turquoise Killifish: Commonalities and Differences With Aging Under Laboratory Conditions. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	3
8748	Attachment insecurity and the biological embedding of reproductive strategies: Investigating the role of cellular aging. <i>Biological Psychology</i> , 2022, 175, 108446.	1.1	3
8749	IGF1 gene therapy in middle-aged female rats delays reproductive senescence through its effects on hypothalamic GnRH and kisspeptin neurons. <i>Aging</i> , 2022, 14, 8615-8632.	1.4	1
8750	Scientific opportunities in resilience research for cardiovascular health and wellness. Report from a National Heart, Lung, and Blood Institute workshop. <i>FASEB Journal</i> , 2022, 36, .	0.2	4
8751	Reproductive axis ageing and fertility in men. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 1109-1121.	2.6	7
8752	Unsupervised learning of aging principles from longitudinal data. <i>Nature Communications</i> , 2022, 13, .	5.8	10
8753	Senotherapeutics for mesenchymal stem cell senescence and rejuvenation. <i>Drug Discovery Today</i> , 2023, 28, 103424.	3.2	4
8754	Elamipretide effects on the skeletal muscle phosphoproteome in aged female mice. <i>GeroScience</i> , 2022, 44, 2913-2924.	2.1	5
8755	Epigenetic clock analysis in methamphetamine dependence. <i>Psychiatry Research</i> , 2022, 317, 114901.	1.7	3
8756	Identification and validation of a classifier based on hub aging-related genes and aging subtypes correlation with immune microenvironment for periodontitis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
8758	The Missing Piece? A Case for Microglia's Prominent Role in the Therapeutic Action of Anesthetics, Ketamine, and Psychedelics. <i>Neurochemical Research</i> , 2023, 48, 1129-1166.	1.6	8

#	ARTICLE	IF	CITATIONS
8759	Caloric restriction reinforces the stem cell pool in the aged brain without affecting overall proliferation status. <i>Gene</i> , 2023, 851, 147026.	1.0	0
8760	Ginseng and ginsenosides: Therapeutic potential for sarcopenia. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113876.	2.5	9
8761	Mesencephalic astrocyte-derived neurotrophic factor (MANF): Structure, functions and therapeutic potential. <i>Ageing Research Reviews</i> , 2022, 82, 101763.	5.0	11
8762	The effect of growth hormone-induced cellular behavior and signaling properties on induced cellular senescence in human mesenchymal stem cells. <i>Tissue and Cell</i> , 2022, 79, 101963.	1.0	0
8763	Impact of baseline telomere length on survival and chemotherapy related toxicity in breast cancer patients receiving (neo)adjuvant anthracycline containing chemotherapy. <i>Translational Oncology</i> , 2022, 26, 101551.	1.7	2
8764	Cytosolic DNA sensor IFI16 proteins: Potential molecular integrators of interactions among the aging hallmarks. <i>Ageing Research Reviews</i> , 2022, 82, 101765.	5.0	4
8765	The energetic cost of allostasis and allostatic load. <i>Psychoneuroendocrinology</i> , 2022, 146, 105951.	1.3	31
8766	Targeting epigenetics as a promising therapeutic strategy for treatment of neurodegenerative diseases. <i>Biochemical Pharmacology</i> , 2022, 206, 115295.	2.0	9
8767	Pulmonary and physical function limitations in aging men with and without HIV from the Multicenter AIDS Cohort Study (MACS). <i>Annals of Epidemiology</i> , 2022, 76, 50-60.	0.9	1
8768	Mechanisms involved in prevention of dementia and promotion of healthy aging by resveratrol. , 2023, , 197-214.		1
8769	Autophagy and bioenergetics in aging. , 2023, , 107-145.		0
8770	Brain network architecture constrains age-related cortical thinning. <i>NeuroImage</i> , 2022, 264, 119721.	2.1	10
8771	Anti-aging strategies, plant bioactives, and drug development: current insights. , 2023, , 23-48.		0
8772	Dysregulated proteostasis. , 2023, , 55-103.		0
8773	Epigenetic aging and its reversal. , 2023, , 9-38.		0
8774	Aging mechanism. , 2023, , 229-238.		0
8776	Advantages and limitations of hiPSC-derived neurons for the study of neurodegeneration. , 2023, , 243-261.		0
8777	Nutrient sensing and aging. , 2023, , 41-53.		0

#	ARTICLE	IF	CITATIONS
8778	Aging, mitochondrial dysfunctions, and vitamin E. , 2023, , 131-165.		0
8780	The hallmarks of aging. , 2023, , 1-6.		1
8781	Senescence in aging. , 2023, , 149-195.		0
8782	Buckwheat trypsin inhibitors: novel nutraceuticals for mitochondrial homeostasis. , 2023, , 561-584.		0
8783	Aging principles and interventional perspectives. , 2023, , 1-21.		0
8784	Novel plant bioactives, their antiaging potencies: reality and promises. , 2023, , 359-386.		0
8785	Breakthrough of extracellular vesicles in pathogenesis, diagnosis and treatment of osteoarthritis. Bioactive Materials, 2023, 22, 423-452.	8.6	12
8786	A Multilevel Approach to the Causes of Genetic Instability in Stem Cells. , 2022, , 1445-1498.		0
8787	Salivary biomarkers of age-dependent processes (review). Laboratornaya Sluzhba, 2022, 11, 28.	0.0	0
8788	Personalized Nutrition for Healthy Aging, A Review. , 2022, , 97-143.		1
8789	Role of DNMTs in the Brain. Advances in Experimental Medicine and Biology, 2022, , 363-394.	0.8	5
8790	DNA repair-related genes and adipogenesis: Lessons from congenital lipodystrophies. Genetics and Molecular Biology, 2022, 45, .	0.6	1
8791	MLOstasis: liquidâ€“liquid phase separation and biomolecular condensates in cell competition, fitness, and aging. , 2023, , 485-504.		0
8792	Signs of Similarities and Differences in Cellular Models of Aging: A Scoping Review. Moscow University Biological Sciences Bulletin, 2022, 77, 139-146.	0.1	9
8793	Therapeutic approaches to treat and prevent age-related diseases through understanding the underlying biological drivers of ageing. Journal of the Economics of Ageing, 2022, 23, 100423.	0.6	0
8794	Senescent AECâ€“ and the implication for idiopathic pulmonary fibrosis treatment. Frontiers in Pharmacology, 0, 13, .	1.6	4
8796	Rejuvenation: Turning Back Time by Enhancing CISD2. International Journal of Molecular Sciences, 2022, 23, 14014.	1.8	6
8797	Mitochondrial membrane proteins and VPS35 orchestrate selective removal of mtDNA. Nature Communications, 2022, 13, .	5.8	21

#	ARTICLE	IF	CITATIONS
8800	Nutritional interventions in the framework of a person-centered model of health care and geroprotection. <i>Kliničeskoe Pitanie I Metabolizm</i> , 0, , .	0.6	0
8801	Ginsenoside Rh2 sensitizes the anti-cancer effects of sunitinib by inducing cell cycle arrest in renal cell carcinoma. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
8802	Recent Progress in Regulation of Aging by Insulin/IGF-1 Signaling in <i>Caenorhabditis elegans</i> . <i>Molecules and Cells</i> , 2022, 45, 763-770.	1.0	19
8803	Mitochondrial Dysfunction and Intrinsic Capacity: Insights From a Narrative Review. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 735-742.	1.7	5
8804	An Altered Neurovascular System in Aging-Related Eye Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14104.	1.8	1
8805	Epigenetic regulation of aging: implications for interventions of aging and diseases. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	108
8806	Deep phenotyping and lifetime trajectories reveal limited effects of longevity regulators on the aging process in C57BL/6J mice. <i>Nature Communications</i> , 2022, 13, .	5.8	16
8807	Porous Se@SiO ₂ nanoparticles improve oxidative injury to promote muscle regeneration via modulating mitochondria. <i>Nanomedicine</i> , 2022, 17, 1547-1565.	1.7	3
8810	Grip strength is inversely associated with DNA methylation age acceleration. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2023, 14, 108-115.	2.9	11
8811	Más allá de la distinción entre extensión de la vida débil y fuerte: «No añadir años de vida si no se puede añadir vida a esos años». <i>Arbor</i> , 2022, 198, a654.	0.1	1
8812	Immunosenescence in Neurological Diseases—Is There Enough Evidence?. <i>Biomedicines</i> , 2022, 10, 2864.	1.4	2
8813	Genetically predicted telomere length and Alzheimer's disease endophenotypes: a Mendelian randomization study. <i>Alzheimer's Research and Therapy</i> , 2022, 14, .	3.0	11
8814	Age reprogramming: cell rejuvenation by partial reprogramming. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	11
8815	Targeting Multiple Hallmarks of Skin Aging: Preclinical and Clinical Efficacy of a Novel Growth Factor-Based Skin Care Serum. <i>Dermatology and Therapy</i> , 2023, 13, 169-186.	1.4	6
8816	Cell division drives DNA methylation loss in late-replicating domains in primary human cells. <i>Nature Communications</i> , 2022, 13, .	5.8	22
8817	In utero exposure to the Great Depression is reflected in late-life epigenetic aging signatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
8820	T cell aging as a risk factor for autoimmunity. <i>Journal of Autoimmunity</i> , 2023, 137, 102947.	3.0	3
8821	Age-related macrophage alterations are associated with carcinogenesis of colorectal cancer. <i>Carcinogenesis</i> , 2022, 43, 1039-1049.	1.3	1

#	ARTICLE	IF	CITATIONS
8822	A review on the application of the exposome paradigm to unveil the environmental determinants of age-related diseases. <i>Human Genomics</i> , 2022, 16, .	1.4	10
8823	The oldest unvaccinated Covid-19 survivors in South America. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	4
8824	Prebiotic supplementation modulates selective effects of stress on behavior and brain metabolome in aged mice. <i>Neurobiology of Stress</i> , 2022, 21, 100501.	1.9	8
8825	Emerging Nutrition Approaches to Support the Mind and Muscle for Healthy Aging. , 2022, 02, 1-19.		0
8826	The role of adolescent lifestyle habits in biological aging: A prospective twin study. <i>ELife</i> , 0, 11, .	2.8	15
8827	Cellular enlargement - A new hallmark of aging?. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	8
8828	Hearing and vision difficulty and sequential treatment among older adults in India. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
8829	Breast Cancer Sera Changes in Alu Element Methylation Predict Metastatic Disease Progression. <i>Cancer Diagnosis & Prognosis</i> , 2022, 2, 731-738.	0.3	0
8830	Oxidative degradation of dihydrofolate reductase increases CD38-mediated ferroptosis susceptibility. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	6
8831	Ageing and Low-Level Chronic Inflammation: The Role of the Biological Clock. <i>Antioxidants</i> , 2022, 11, 2228.	2.2	9
8833	A focused natural compound screen reveals senolytic and senostatic effects of <i>Isatis tinctoria</i> . <i>Animal Cells and Systems</i> , 2022, 26, 310-317.	0.8	3
8834	Characterization and Anti-Aging Activity of Polysaccharides from <i>Akebia trifoliata</i> Fruit Separated by an Aqueous Two-Phase System. <i>Plant Foods for Human Nutrition</i> , 0, , .	1.4	6
8835	Effects of lifespan-extending interventions on cognitive healthspan. <i>Expert Reviews in Molecular Medicine</i> , 0, , 1-83.	1.6	1
8836	Age-induced prostaglandin E2 impairs mitochondrial fitness and increases mortality to influenza infection. <i>Nature Communications</i> , 2022, 13, .	5.8	10
8837	On the Potential Role of the Antioxidant Couple Vitamin E/Selenium Taken by the Oral Route in Skin and Hair Health. <i>Antioxidants</i> , 2022, 11, 2270.	2.2	10
8838	Two-CyDye-Based 2D-DIGE Analysis of Aged Human Muscle Biopsy Specimens. <i>Methods in Molecular Biology</i> , 2023, , 265-289.	0.4	3
8839	Assessment of Aging-Related Function Variations of P-gp Transporter in Old-Elderly Chinese CHF Patients Based on Modeling and Simulation. <i>Clinical Pharmacokinetics</i> , 2022, 61, 1789-1800.	1.6	6
8840	A potential role of autophagy-mediated vascular senescence in the pathophysiology of HFpEF. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	4

#	ARTICLE	IF	CITATIONS
8841	Targeting NRF2-KEAP1 axis by Omega-3 fatty acids and their derivatives: Emerging opportunities against aging and diseases. <i>Free Radical Biology and Medicine</i> , 2022, 193, 736-750.	1.3	16
8842	Ginsenoside Rb2 suppresses cellular senescence of human dermal fibroblasts by inducing autophagy. <i>Journal of Ginseng Research</i> , 2023, 47, 337-346.	3.0	2
8843	Adenovirus-mediated SIRT1 protects cochlear stria marginal cells in a D-gal-induced senescent model in vitro. <i>Molecular Biology Reports</i> , 0, , .	1.0	0
8844	4-phenylbutyric acid Identity crisis; can it act as a translation inhibitor?. <i>Aging Cell</i> , 2022, 21, .	3.0	2
8846	Early cardiac aging linked to impaired stress-resistance and transcriptional control of stress response, quality control and mitochondrial pathways. <i>Experimental Gerontology</i> , 2023, 171, 112011.	1.2	2
8847	Quantum Healthy Longevity for healthy people, planet, and growth. <i>The Lancet Healthy Longevity</i> , 2022, , .	2.0	1
8848	The anabolic applications of androgens in older adults with functional limitations. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 1209-1220.	2.6	1
8849	<i>Mycobacterium tuberculosis</i> : Implications of Ageing on Infection and Maintaining Protection in the Elderly. <i>Vaccines</i> , 2022, 10, 1892.	2.1	5
8850	Triterpenoids and Polysaccharides from <i>Ganoderma lucidum</i> Improve the Histomorphology and Function of Testes in Middle-Aged Male Mice by Alleviating Oxidative Stress and Cellular Apoptosis. <i>Nutrients</i> , 2022, 14, 4733.	1.7	5
8851	Gut microbial DNA and immune checkpoint gene <i>Vsig4/CRlg</i> are key antagonistic players in healthy aging and age-associated development of hypertension and diabetes. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	2
8852	A <i>Glb1-2A-mCherry</i> reporter monitors systemic aging and predicts lifespan in middle-aged mice. <i>Nature Communications</i> , 2022, 13, .	5.8	6
8853	2-Butoxytetrahydrofuran and Palmitic Acid from <i>Holothuria scabra</i> Enhance <i>C. elegans</i> Lifespan and Healthspan via DAF-16/FOXO and SKN-1/NRF2 Signaling Pathways. <i>Pharmaceuticals</i> , 2022, 15, 1374.	1.7	5
8855	HU308 Mitigates Osteoarthritis by Stimulating Sox9-Related Networks of Carbohydrate Metabolism. <i>Journal of Bone and Mineral Research</i> , 2020, 38, 154-170.	3.1	5
8856	Stratification of Companion Animal Life Stages from Electronic Medical Record Diagnosis Data. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 579-586.	1.7	2
8857	Krill oil protects dopaminergic neurons from age-related degeneration through temporal transcriptome rewiring and suppression of several hallmarks of aging. <i>Aging</i> , 2022, 14, 8661-8687.	1.4	2
8858	Gene Therapy Strategies Targeting Aging-Related Diseases. , 2022, .		5
8859	Which Factors Influence Healthy Aging? A Lesson from the Longevity Village of Bama in China. , 2023, 14, 825.		3
8860	Immunosenescence and ACE2 protein expression: Association with SARS-CoV-2 in older adults. <i>Open Journal of Asthma</i> , 2022, 6, 008-017.	2.0	0

#	ARTICLE	IF	CITATIONS
8861	Rapamycin not dietary restriction improves resilience against pathogens: a meta-analysis. <i>GeroScience</i> , 2023, 45, 1263-1270.	2.1	7
8862	Persistent organic pollutant exposure contributes to Black/White differences in leukocyte telomere length in the National Health and Nutrition Examination Survey. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
8863	Post-Translational Modifications Evoked by Reactive Carbonyl Species in Ultraviolet-A-Exposed Skin: Implication in Fibroblast Senescence and Skin Photoaging. <i>Antioxidants</i> , 2022, 11, 2281.	2.2	4
8864	Familial aggregation of the aging process: biological age measured in young adult offspring as a predictor of parental mortality. <i>GeroScience</i> , 2023, 45, 901-913.	2.1	1
8865	Public Health Need, Molecular Targets, and Opportunities for the Accelerated Development of Function-Promoting Therapies: Proceedings of a National Institute on Aging Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2227-2237.	1.7	5
8866	Longueur des télomères: de la sénescence cellulaire aux trajectoires du vieillissement humain. <i>HEGEL - HEpato-GastroEntérologie Libérale</i> , 2022, N° 3, 269-280.	0.0	0
8867	Analysis of Nanomedicine Efficacy for Osteoarthritis. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	1
8868	Effects of dietary restriction on genome stability are sex and feeding regimen dependent. <i>Food and Function</i> , 2023, 14, 471-488.	2.1	3
8869	Comparison of senescence phenotype of short- and long- term cultured rat mesenchymal stem cells in vitro. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, .	0.3	0
8870	Mitochondrial function and immune response-regulating factor-encoding gene promoters. , 2023, , 15-31.		0
8871	<i>Eucommia ulmoides</i> male flower as a remarkable edible floral resource exerts lifespan/healthspan-promoting effects on <i>Caenorhabditis elegans</i> . <i>Food and Function</i> , 2023, 14, 457-470.	2.1	7
8872	Alternative role of glucagon-like Peptide-1 receptor agonists in neurodegenerative diseases. <i>European Journal of Pharmacology</i> , 2023, 938, 175439.	1.7	12
8873	Targeting AMPK signaling by polyphenols: a novel strategy for tackling aging. <i>Food and Function</i> , 2023, 14, 56-73.	2.1	16
8874	Sedentary behavior and the biological hallmarks of aging. <i>Ageing Research Reviews</i> , 2023, 83, 101807.	5.0	12
8875	Major depression and the biological hallmarks of aging. <i>Ageing Research Reviews</i> , 2023, 83, 101805.	5.0	13
8876	Molecular Mechanisms of Vascular Health: Insights From Vascular Aging and Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2023, 43, 15-29.	1.1	28
8877	Role of primary aging hallmarks in Alzheimer's disease. <i>Theranostics</i> , 2023, 13, 197-230.	4.6	8
8878	Age differences in factors affecting fear of falling among community-dwelling older adults: A cross-sectional study. <i>Geriatric Nursing</i> , 2023, 49, 74-80.	0.9	0

#	ARTICLE	IF	CITATIONS
8879	Translational research into frailty from bench to bedside: Salivary biomarkers for inflammaging. <i>Experimental Gerontology</i> , 2023, 171, 112040.	1.2	2
8880	Dietary selenium excess affected spermatogenesis via DNA damage and telomere-related cell senescence and apoptosis in mice. <i>Food and Chemical Toxicology</i> , 2023, 171, 113556.	1.8	8
8881	Emerging role of aging in the progression of NAFLD to HCC. <i>Ageing Research Reviews</i> , 2023, 84, 101833.	5.0	21
8882	Positive social factors prospectively predict younger epigenetic age: Findings from the Health and Retirement Study. <i>Psychoneuroendocrinology</i> , 2023, 148, 105988.	1.3	2
8883	The role of cytokines/chemokines in an aging skin immune microenvironment. <i>Mechanisms of Ageing and Development</i> , 2023, 210, 111761.	2.2	7
8884	Structure characteristics of low molecular weight pectic polysaccharide and its anti-aging capability by modulating the intestinal homeostasis. <i>Carbohydrate Polymers</i> , 2023, 303, 120467.	5.1	12
8885	Age, sex, and frailty modify the expression of common reference genes in skeletal muscle from ageing mice. <i>Mechanisms of Ageing and Development</i> , 2023, 210, 111762.	2.2	3
8886	BMF-AS1/BMF Promotes Diabetic Vascular Calcification and Aging both <i>In Vitro</i> and <i>In Vivo</i> . , 2023, 14, 170.		3
8887	Phosphatidylethanolamine N-methyltransferase: from Functions to Diseases. , 2022, .		3
8888	The Role of Senescence in NASH-Related HCC. , 2022, , 167-191.		1
8889	Resolving Geroplasticity to the Balance of Rejuvenins and Geriatrins. , 2022, 13, 1664.		0
8891	Ageing and Vasoreactivity. , 2022, , 401-424.		0
8892	FDA Should Re-evaluate All mRNA Vaccines and Revoke Their Use Authorizations (The Short Version).. <i>International Journal of Coronaviruses</i> , 2022, 4, 16-66.	0.8	0
8893	Inflammaging: Implications in Sarcopenia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15039.	1.8	33
8894	The <i>Caenorhabditis elegans</i> ARIP-4 DNA helicase couples mitochondrial surveillance to immune, detoxification, and antiviral pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	2
8895	Circadian clock gene Clock-Bmal1 regulates cellular senescence in Chronic obstructive pulmonary disease. <i>BMC Pulmonary Medicine</i> , 2022, 22, .	0.8	4
8896	Insight into the Molecular Signature of Skeletal Muscle Characterizing Lifelong Football Players. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 15835.	1.2	3
8898	Organotypic cultures as aging associated disease models. <i>Ageing</i> , 2022, 14, 9338-9383.	1.4	3

#	ARTICLE	IF	CITATIONS
8899	Inhibition of glutaminolysis restores mitochondrial function in senescent stem cells. <i>Cell Reports</i> , 2022, 41, 111744.	2.9	10
8901	Antioxidant Supplementation in Oxidative Stress-Related Diseases: What Have We Learned from Studies on Alpha-Tocopherol?. <i>Antioxidants</i> , 2022, 11, 2322.	2.2	16
8903	Nicotinamide Mononucleotide Supplementation Improves Mitochondrial Dysfunction and Rescues Cellular Senescence by NAD ⁺ /Sirt3 Pathway in Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14739.	1.8	11
8904	Therapeutic Potential of Extracellular Vesicles in Aging and Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14632.	1.8	5
8907	Frailty in older people living with HIV: current status and clinical management. <i>BMC Geriatrics</i> , 2022, 22, .	1.1	14
8908	Preconditioned Mesenchymal Stromal Cell-Derived Extracellular Vesicles (EVs) Counteract Inflammaging. <i>Cells</i> , 2022, 11, 3695.	1.8	2
8909	Modulatory effect of exogenous Coenzyme Q10 on redox and inflammatory biomarkers during aging in rats. <i>Biologia Futura</i> , 0, , .	0.6	1
8910	Aberrant expression and localization of the RAP1 shelterin protein contribute to age-related phenotypes. <i>PLoS Genetics</i> , 2022, 18, e1010506.	1.5	7
8911	An evaluation of aging measures: from biomarkers to clocks. <i>Biogerontology</i> , 0, , .	2.0	2
8912	Age acquired skewed X chromosome inactivation is associated with adverse health outcomes in humans. <i>ELife</i> , 0, 11, .	2.8	9
8913	The Prevalence of Mycobacterium tuberculosis Infection Among Cancer Patients Receiving Chemotherapy in a Tertiary Care Center. <i>Cureus</i> , 2022, , .	0.2	0
8914	Modelling premature cardiac aging with induced pluripotent stem cells from a hutchinson-gilford Progeria Syndrome patient. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
8915	<sc>GPCR</sc> signaling regulates severe stress-induced organismic death in <i>Caenorhabditis elegans</i>. <i>Aging Cell</i> , 2023, 22, .	3.0	11
8919	Aging and Mesenchymal Stem Cells: Basic Concepts, Challenges and Strategies. <i>Biology</i> , 2022, 11, 1678.	1.3	11
8920	Muscle Delivery of Mitochondria-Targeted Drugs for the Treatment of Sarcopenia: Rationale and Perspectives. <i>Pharmaceutics</i> , 2022, 14, 2588.	2.0	9
8921	Investigating the Impact of a Curse: Diseases, Population Isolation, Evolution and the Mother's Curse. <i>Genes</i> , 2022, 13, 2151.	1.0	3
8922	Mechanisms Underlying Brain Aging Under Normal and Pathological Conditions. <i>Neuroscience Bulletin</i> , 2023, 39, 303-314.	1.5	3
8923	MicroRNA Expression Variation in Female Dog (<i>Canis familiaris</i>) Reproductive Organs with Age and Presence of Uteropathy. <i>Animals</i> , 2022, 12, 3352.	1.0	1

#	ARTICLE	IF	CITATIONS
8924	UKRI MRC National Musculoskeletal Ageing Network: strategic prioritisation to increase healthy lifespan and minimise physical frailty. <i>Archives of Osteoporosis</i> , 2022, 17, .	1.0	2
8925	Treatment of Autism Spectrum Disorders by Mitochondrial-targeted Drug: Future of Neurological Diseases Therapeutics. <i>Current Neuropharmacology</i> , 2023, 21, 1042-1064.	1.4	3
8926	Genetic enhancement: an avenue to combat aging-related diseases. , 2022, 1, 307-318.		14
8927	Exosomal miR-767 from senescent endothelial-derived accelerating skin fibroblasts aging via inhibiting TAB1. <i>Journal of Molecular Histology</i> , 2023, 54, 13-24.	1.0	3
8929	Development and Validation of an Age-Related Gastric Cancer-Specific Immune Index. <i>Journal of Inflammation Research</i> , 0, Volume 15, 6393-6407.	1.6	0
8930	dNAGLU Extends Life Span and Promotes Fitness and Stress Resistance in Drosophila. <i>International Journal of Molecular Sciences</i> , 2022, 23, 14433.	1.8	2
8931	Stem Cell-Based Therapeutic Strategies for Premature Ovarian Insufficiency and Infertility: A Focus on Aging. <i>Cells</i> , 2022, 11, 3713.	1.8	6
8932	Women at heart: Introducing gender cardio-oncology. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
8933	Identification and Functional Analysis of Long Non-Coding RNA (lncRNA) in Response to Seed Aging in Rice. <i>Plants</i> , 2022, 11, 3223.	1.6	7
8934	Healthy microbiome “a mere idea or a sound concept?”. <i>Physiological Research</i> , 2022, 71, 719-738.	0.4	6
8935	Retinal age gap as a predictive biomarker of stroke risk. <i>BMC Medicine</i> , 2022, 20, .	2.3	13
8936	Measurements of damage and repair of binary health attributes in aging mice and humans reveal that robustness and resilience decrease with age, operate over broad timescales, and are affected differently by interventions. <i>ELife</i> , 0, 11, .	2.8	5
8937	Aging Fibroblasts Adversely Affect Extracellular Matrix Formation via the Senescent Humoral Factor Ependymin-Related Protein 1. <i>Cells</i> , 2022, 11, 3749.	1.8	4
8939	Inhaled particulate accumulation with age impairs immune function and architecture in human lung lymph nodes. <i>Nature Medicine</i> , 2022, 28, 2622-2632.	15.2	22
8940	Aging and Wound Healing of the Skin: A Review of Clinical and Pathophysiological Hallmarks. <i>Life</i> , 2022, 12, 2142.	1.1	8
8941	Proteostasis in aging-associated ocular disease. <i>Molecular Aspects of Medicine</i> , 2022, 88, 101157.	2.7	10
8942	Longitudinal Association of Telomere Dynamics with Obesity and Metabolic Disorders in Young Children. <i>Nutrients</i> , 2022, 14, 5191.	1.7	1
8943	Cardiac metabolism in HFpEF: from fuel to signalling. <i>Cardiovascular Research</i> , 2023, 118, 3556-3575.	1.8	20

#	ARTICLE	IF	CITATIONS
8944	Research progress and prospect of aging mechanism and anti-aging. , 2022, , .		0
8946	Role of autophagy in lung diseases and ageing. <i>European Respiratory Review</i> , 2022, 31, 220134.	3.0	13
8947	Low leukocyte mitochondrial DNA abundance drives atherosclerotic cardiovascular diseases: a cohort and Mendelian randomization study. <i>Cardiovascular Research</i> , 2023, 119, 998-1007.	1.8	2
8948	Comprehensive Analysis of Cellular Senescence-Related Genes in Prognosis, Molecular Characterization and Immunotherapy of Hepatocellular Carcinoma. <i>Biological Procedures Online</i> , 2022, 24, .	1.4	2
8949	Reprogramming of ovarian aging epigenome by resveratrol. , 2023, 2, .		4
8950	Associations between multiple metals exposure and biological aging: Evidence from the Dongfeng-Tongji cohort. <i>Science of the Total Environment</i> , 2023, 861, 160596.	3.9	5
8951	A molecular signature defining exercise adaptation with ageing and <i>in vivo</i> partial reprogramming in skeletal muscle. <i>Journal of Physiology</i> , 2023, 601, 763-782.	1.3	11
8952	Role of angiotensin II in aging. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	5
8953	Are Skeletal Muscle Changes during Prolonged Space Flights Similar to Those Experienced by Frail and Sarcopenic Older Adults?. <i>Life</i> , 2022, 12, 2139.	1.1	5
8954	Senescent cells suppress macrophage-mediated corpse removal via upregulation of the CD47-QPCT/L axis. <i>Journal of Cell Biology</i> , 2023, 222, .	2.3	16
8955	The Anaphase-Promoting Complex/Cyclosome Is a Cellular Ageing Regulator. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15327.	1.8	2
8956	Transcriptional memory of dFOXO activation in youth curtails later-life mortality through chromatin remodeling and Xbp1. <i>Nature Aging</i> , 2022, 2, 1176-1190.	5.3	1
8957	Mechanisms of spermidine-induced autophagy and geroprotection. <i>Nature Aging</i> , 2022, 2, 1112-1129.	5.3	24
8958	Novel insights into reproductive ageing and menopause from genomics. <i>Human Reproduction</i> , 2023, 38, 195-203.	0.4	6
8959	A conserved MTMR lipid phosphatase increasingly suppresses autophagy in brain neurons during aging. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
8961	Is Aging a Disease? The Theoretical Definition of Aging in the Light of the Philosophy of Medicine. <i>Journal of Medicine and Philosophy</i> , 2022, 47, 770-783.	0.4	4
8962	Association of leukocyte mitochondrial DNA copy number with longitudinal C-reactive protein levels and survival in older adults: a cohort study. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	1
8963	Developmental Programming of Ageing Induced by Poor Maternal Nutrition. , 2022, , 121-131.		0

#	ARTICLE	IF	CITATIONS
8964	Multiple pathways promote microtubule stabilization in senescent intestinal epithelial cells. , 2022, 8, .		4
8965	Dietary stress remodels the genetic architecture of lifespan variation in outbred <i>Drosophila</i> . <i>Nature Genetics</i> , 2023, 55, 123-129.	9.4	10
8966	The underexplored links between cancer and the internal body climate: Implications for cancer prevention and treatment. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	0
8967	Update on the Role of Glucocorticoid Signaling in Osteoblasts and Bone Marrow Adipocytes During Aging. <i>Current Osteoporosis Reports</i> , 2023, 21, 32-44.	1.5	4
8968	El adulto mayor sin dientes: una paradoja del envejecimiento desde el discurso positivo. <i>Guillermo De Ockham</i> , 2022, 21, PRESS.	0.2	0
8969	Epigenomic and Other Evidence for Cannabis-Induced Aging Contextualized in a Synthetic Epidemiologic Overview of Cannabinoid-Related Teratogenesis and Cannabinoid-Related Carcinogenesis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 16721.	1.2	10
8970	Exercise-Boosted Mitochondrial Remodeling in Parkinsonâ€™s Disease. <i>Biomedicines</i> , 2022, 10, 3228.	1.4	7
8971	Accelerated ageing is associated with increased COVID-19 severity and differences across ethnic groups may exist. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	4
8972	Genetic basis of enhanced stress resistance in long-lived mutants highlights key role of innate immunity in determining longevity. <i>Aging Cell</i> , 2023, 22, .	3.0	11
8973	Neutrophil dynamics and inflammaging in acute ischemic stroke: A transcriptomic review. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
8974	Association of circadian rhythms with brain disorder incidents: a prospective cohort study of 72242 participants. <i>Translational Psychiatry</i> , 2022, 12, .	2.4	6
8975	AnthropoAge, a novel approach to integrate body composition into the estimation of biological age. <i>Aging Cell</i> , 2023, 22, .	3.0	3
8976	Repurposing BCL-2 and Jak 1/2 inhibitors: Cure and treatment of HIV-1 and other viral infections. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
8977	The Aging Process: A Metabolomics Perspective. <i>Molecules</i> , 2022, 27, 8656.	1.7	5
8978	High levels of HDAC expression correlate with microglial aging. <i>Expert Opinion on Therapeutic Targets</i> , 2022, 26, 911-922.	1.5	1
8979	The flavonoid GLâ€V9 alleviates liver fibrosis by triggering senescence by regulating the transcription factor GATA4 in activated hepatic stellate cells. <i>British Journal of Pharmacology</i> , 2023, 180, 1072-1089.	2.7	4
8980	<i>Planococcus maritimu</i> ML1206 Strain Enhances Stress Resistance and Extends the Lifespan in <i>Caenorhabditis elegans</i> via FOXO/DAF-16. <i>Marine Drugs</i> , 2023, 21, 1.	2.2	2
8981	Gut microbiota of the young ameliorates physical fitness of the aged in mice. <i>Microbiome</i> , 2022, 10, .	4.9	19

#	ARTICLE	IF	CITATIONS
8982	Mechanisms of RNA and Protein Quality Control and Their Roles in Cellular Senescence and Age-Related Diseases. <i>Cells</i> , 2022, 11, 4062.	1.8	1
8984	HP1 proteins regulate nucleolar structure and function by secluding pericentromeric constitutive heterochromatin. <i>Nucleic Acids Research</i> , 2023, 51, 117-143.	6.5	4
8985	Alternative telomere maintenance mechanism in <i>Alligator sinensis</i> provides insights into aging evolution. <i>IScience</i> , 2023, 26, 105850.	1.9	2
8986	The immunological role of ADAMs in the field of gastroenterological chronic inflammatory diseases and cancers: a review. <i>Oncogene</i> , 2023, 42, 549-558.	2.6	2
8988	The Relationship between Reactive Oxygen Species and the cGAS/STING Signaling Pathway in the Inflammaging Process. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15182.	1.8	17
8989	Aging and aging-related diseases: from molecular mechanisms to interventions and treatments. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	150
8991	Integrative perspective of the healthy aging process considering the metabolome, cardiac autonomic modulation and cardiorespiratory fitness evaluated in age groups. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
8992	Endothelial Dysfunction and Chronic Inflammation: The Cornerstones of Vascular Alterations in Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15722.	1.8	12
8993	Epigenetic alterationsâ€”The silent indicator for early aging and ageâ€”associated healthâ€”risks. <i>Aging Medicine (Milton (N S W))</i> , 2022, 5, 287-293.	0.9	1
8994	Mitochondrial cristae architecture protects against mtDNA release and inflammation. <i>Cell Reports</i> , 2022, 41, 111774.	2.9	21
8995	Randomization, design and analysis for interdependency in aging research: no person or mouse is an island. <i>Nature Aging</i> , 2022, 2, 1101-1111.	5.3	0
8996	Aging is associated with a systemic length-associated transcriptome imbalance. <i>Nature Aging</i> , 2022, 2, 1191-1206.	5.3	28
8997	Joint inference of physiological network and survival analysis identifies factors associated with aging rate. <i>Cell Reports Methods</i> , 2022, 2, 100356.	1.4	0
8998	Effects of aging and longâ€”term physical activity on mitochondrial physiology and redox state of the cortex and cerebellum of female rats. <i>Physiological Reports</i> , 2022, 10, .	0.7	1
8999	Soft-Shelled Turtle Peptides Extend Lifespan and Healthspan in <i>Drosophila</i> . <i>Nutrients</i> , 2022, 14, 5205.	1.7	1
9000	Relation between apolipoprotein e in alzheimerâ€™s disease and sars-cov-2 and their treatment strategy: A review. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 22, .	0.8	0
9002	Biological Age Predictors: The Status Quo and Future Trends. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15103.	1.8	13
9003	ONE-seq: epitranscriptome and gene-specific profiling of NAD-capped RNA. <i>Nucleic Acids Research</i> , 2023, 51, e12-e12.	6.5	9

#	ARTICLE	IF	CITATIONS
9004	The Senescence-Related Signature Predicts Prognosis and Characterization of Tumor Microenvironment Infiltration in Pancreatic Cancer. <i>BioMed Research International</i> , 2022, 2022, 1-28.	0.9	0
9005	Morusin and mulberrin extend the lifespans of yeast and <i>C. elegans</i> via suppressing nutrient-sensing pathways. <i>GeroScience</i> , 2023, 45, 949-964.	2.1	6
9006	Multiple myeloma, a quintessential malignant disease of aging: a geroscience perspective on pathogenesis and treatment. <i>GeroScience</i> , 2023, 45, 727-746.	2.1	7
9007	Toll-like receptors and NLRP3 inflammasome-dependent pathways in Parkinson's disease: mechanisms and therapeutic implications. <i>Journal of Neurology</i> , 2023, 270, 1346-1360.	1.8	8
9008	Age-associated remodeling of T cell immunity and metabolism. <i>Cell Metabolism</i> , 2023, 35, 36-55.	7.2	19
9009	Current Understanding of the Role of Senescent Melanocytes in Skin Ageing. <i>Biomedicines</i> , 2022, 10, 3111.	1.4	6
9010	The Role and Mechanism of Polysaccharides in Anti-Aging. <i>Nutrients</i> , 2022, 14, 5330.	1.7	12
9011	Detecting low-intake dehydration using bioelectrical impedance analysis in older adults in acute care settings: a systematic review. <i>BMC Geriatrics</i> , 2022, 22, .	1.1	0
9012	Heterogeneity of fibroblasts is a hallmark of age-associated erectile dysfunction. <i>International Journal of Biochemistry and Cell Biology</i> , 2023, 156, 106343.	1.2	1
9014	Antioxidant Intervention to Improve Cognition in the Aging Brain: The Example of Hydroxytyrosol and Resveratrol. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15674.	1.8	11
9015	Molecular methods to study protein trafficking between organs. <i>Proteomics</i> , 2023, 23, .	1.3	2
9016	Leukocyte telomere length in children born following blastocyst-stage embryo transfer. <i>Nature Medicine</i> , 2022, 28, 2646-2653.	15.2	10
9017	Ovarian rescue in women with premature ovarian insufficiency: facts and fiction. <i>Reproductive BioMedicine Online</i> , 2023, 46, 543-565.	1.1	6
9018	Induction of premature senescence and a less-fibrogenic phenotype by programmed cell death 4 knockdown in the human hepatic stellate cell line Lieming Xu-2. <i>Human Cell</i> , 0, .	1.2	0
9020	Mesenchymal stem cells ameliorate cisplatin-induced acute kidney injury via let-7b-5p. <i>Cell and Tissue Research</i> , 2023, 392, 517-533.	1.5	3
9021	Reversal of spatial memory impairment by phosphodiesterase 3 inhibitor cilostazol is associated with reduced neuroinflammation and increased cerebral glucose uptake in aged male mice. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
9022	Physical Activity and Diet in Older Women: A Narrative Review. <i>Journal of Clinical Medicine</i> , 2023, 12, 81.	1.0	12
9023	Leveraging pathway analysis in a human skin model of healthy aging. <i>Aging</i> , 2022, 14, 9775-9776.	1.4	1

#	ARTICLE	IF	CITATIONS
9024	Single-cell transcriptomics highlights immunological dysregulations of monocytes in the pathobiology of COPD. <i>Respiratory Research</i> , 2022, 23, .	1.4	7
9025	A multi-omics longitudinal aging dataset in primary human fibroblasts with mitochondrial perturbations. <i>Scientific Data</i> , 2022, 9, .	2.4	16
9027	Bimodal Age Distribution in Cancer Incidence. <i>World Journal of Oncology</i> , 2022, 13, 329-336.	0.6	2
9028	Risk factors for cardiovascular complications in chronic kidney disease. <i>Klinicheskaia Meditsina</i> , 2022, 100, 432-438.	0.2	0
9029	VLA-4 suppression by senescence signals regulates meningeal immunity and leptomeningeal metastasis. <i>ELife</i> , 0, 11, .	2.8	1
9030	Premature aging in childhood cancer survivors (Review). <i>Oncology Letters</i> , 2022, 25, .	0.8	3
9031	Improving the effectiveness of anti-aging modalities by using the constrained disorder principle-based management algorithms. <i>Frontiers in Aging</i> , 0, 3, .	1.2	8
9032	Hippocampal Deletion of CB1 Receptor Impairs Social Memory and Leads to Age-Related Changes in the Hippocampus of Adult Mice. <i>International Journal of Molecular Sciences</i> , 2023, 24, 26.	1.8	3
9033	Rapid emergence of transcriptional heterogeneity upon molecular stress predisposes cells to two distinct states of senescence. <i>GeroScience</i> , 2023, 45, 1115-1130.	2.1	2
9034	Age- and Stage-Dependent Prostate Cancer Aggressiveness Associated with Differential Notch Signaling. <i>International Journal of Molecular Sciences</i> , 2023, 24, 164.	1.8	2
9035	Embryonic stem cell extracellular vesicles reverse the senescence of retinal pigment epithelial cells by the p38MAPK pathway. <i>Experimental Eye Research</i> , 2023, 227, 109365.	1.2	2
9036	Biomarkers of mitochondrial dysfunction and inflammaging in older adults and blood pressure variability. <i>GeroScience</i> , 2023, 45, 797-809.	2.1	9
9037	Epigenetic regulation of mesenchymal stem cell aging through histone modifications. <i>Genes and Diseases</i> , 2022, , .	1.5	2
9038	A brain-wide form of presynaptic active zone plasticity orchestrates resilience to brain aging in <i>Drosophila</i> . <i>PLoS Biology</i> , 2022, 20, e3001730.	2.6	4
9039	Acarbose, an Î±-Glucosidase Inhibitor, Maintains Altered Redox Homeostasis During Aging by Targeting Glucose Metabolism in Rat Erythrocytes. <i>Rejuvenation Research</i> , 2023, 26, 21-31.	0.9	1
9040	The Agingâ€“Cancer Cycle: Mechanisms and Opportunities for Intervention. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 1234-1238.	1.7	2
9041	Bioactive Oligopeptides from Ginseng (<i>Panax ginseng</i> Meyer) Suppress Oxidative Stress-Induced Senescence in Fibroblasts via NAD ⁺ /SIRT1/PGC-1Î± Signaling Pathway. <i>Nutrients</i> , 2022, 14, 5289.	1.7	9
9042	Reduced Ribose-5-Phosphate Isomerase A-1 Expression in Specific Neurons and Time Points Promotes Longevity in <i>Caenorhabditis elegans</i> . <i>Antioxidants</i> , 2023, 12, 124.	2.2	1

#	ARTICLE	IF	CITATIONS
9043	Systems Biology of Ageing. Sub-Cellular Biochemistry, 2023, , 415-424.	1.0	0
9044	Ageing Skeletal Muscle: The Ubiquitous Muscle Stem Cell. Sub-Cellular Biochemistry, 2023, , 365-377.	1.0	1
9045	The Double-Edged Role of Extracellular Vesicles in the Hallmarks of Aging. Biomolecules, 2023, 13, 165.	1.8	4
9046	Modulation of protease expression by the transcription factor Ptx1/PITX regulates protein quality control during aging. Cell Reports, 2023, 42, 111970.	2.9	4
9047	A Cocktail of Polyherbal Bioactive Compounds and Regular Mobility Training as Senolytic Approaches in Age-dependent Alzheimer's: the In Silico Analysis, Lifestyle Intervention in Old Age. Journal of Molecular Neuroscience, 2023, 73, 171-184.	1.1	10
9048	Functional restoration of lysosomes and mitochondria through modulation of AKT activity ameliorates senescence. Experimental Gerontology, 2023, 173, 112091.	1.2	2
9049	Probiotics- its functions and influence on the ageing process: A comprehensive review. Food Bioscience, 2023, 52, 102389.	2.0	3
9050	The innate immune signaling component FBXC-58 mediates dietary restriction effects on healthy aging in Caenorhabditis elegans. Aging, 2023, 15, 21-36.	1.4	2
9051	Loading Nanoceria Improves Extracellular Vesicle Membrane Integrity and Therapy to Wounds in Aged Mice. ACS Biomaterials Science and Engineering, 2023, 9, 732-742.	2.6	2
9052	A risk stratification and prognostic prediction model for lung adenocarcinoma based on aging-related lncRNA. Scientific Reports, 2023, 13, .	1.6	0
9053	Correlation between stem cell molecular phenotype and atherosclerotic plaque neointima formation and analysis of stem cell signal pathways. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	0
9054	Age-dependent expression of ion channel genes in rat. Korean Journal of Physiology and Pharmacology, 1993, 27, 85-94.	0.6	0
9055	EFFECT OF RADIATION ON AGING PROCESSES AND TELOMERE LENGTH. Problemy Radiatsiinoi Medytsyny Ta Radiobiologii, 2022, 27, 107-119.	0.5	1
9057	Mesenchymal cells in the Lung: Evolving concepts and their role in fibrosis. Gene, 2023, 859, 147142.	1.0	6
9058	The Nuclear Envelope in Ageing and Progeria. Sub-Cellular Biochemistry, 2023, , 53-75.	1.0	2
9059	Extracellular Vesicles and Cellular Ageing. Sub-Cellular Biochemistry, 2023, , 271-311.	1.0	1
9060	Introduction: Progression of the Science of Ageing. Sub-Cellular Biochemistry, 2023, , 1-6.	1.0	0
9061	Ageing at Molecular Level: Role of MicroRNAs. Sub-Cellular Biochemistry, 2023, , 195-248.	1.0	0

#	ARTICLE	IF	CITATIONS
9062	Willingness to get vaccinated against influenza, pneumococcal disease, pertussis, and herpes zoster â€œ A pre-COVID-19 exploration among the older adult population. <i>Vaccine</i> , 2023, 41, 1254-1264.	1.7	2
9063	The Role of SOX Transcription Factors in Ageing and Age-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 851.	1.8	3
9064	Contribution of Extracellular Vesicles and Molecular Chaperones in Age-Related Neurodegenerative Disorders of the CNS. <i>International Journal of Molecular Sciences</i> , 2023, 24, 927.	1.8	5
9065	Low Magnesium in Conjunction with High Homocysteine and Less Sleep Accelerates Telomere Attrition in Healthy Elderly Australian. <i>International Journal of Molecular Sciences</i> , 2023, 24, 982.	1.8	6
9066	Anti-ageing effects of FDA-approved medicines: a focused review. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2023, 34, 277-289.	0.7	1
9067	Reduced sphingolipid biosynthesis modulates proteostasis networks to enhance longevity. <i>Aging</i> , 2022, 15, 472-491.	1.4	1
9068	Age-Related Changes of the Synucleins Profile in the Mouse Retina. <i>Biomolecules</i> , 2023, 13, 180.	1.8	0
9070	Effects of short-term exposure to low doses of bisphenol A on cellular senescence in the adult rat kidney. <i>Histochemistry and Cell Biology</i> , 0, , .	0.8	1
9071	Lung and Gut Microbiota Interactions with Air Pollution and Aging in Human Chronic Diseases. <i>Healthy Ageing and Longevity</i> , 2023, , 215-236.	0.2	0
9072	A deeply conserved protease, acylamino acid-releasing enzyme (AARE), acts in ageing in <i>Physcomitrella</i> and <i>Arabidopsis</i> . <i>Communications Biology</i> , 2023, 6, .	2.0	3
9074	Exercise preserves physical fitness during aging through AMPK and mitochondrial dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	19
9075	A seed-and-soil theory for blood ageing. <i>Nature Cell Biology</i> , 2023, 25, 9-11.	4.6	0
9076	Aging of the Vasculature. <i>Contemporary Cardiology</i> , 2023, , 153-182.	0.0	0
9077	Meta-hallmarks of aging and cancer. <i>Cell Metabolism</i> , 2023, 35, 12-35.	7.2	80
9078	Chromatin Structure from Development to Ageing. <i>Sub-Cellular Biochemistry</i> , 2023, , 7-51.	1.0	2
9079	Gerobiotics: Probiotics for Healthy Aging. <i>Healthy Ageing and Longevity</i> , 2023, , 357-373.	0.2	1
9080	An Insight into Platelets at Older Age: Cellular and Clinical Perspectives. <i>Sub-Cellular Biochemistry</i> , 2023, , 343-363.	1.0	0
9081	Visceral Adipose Tissue Bioenergetics Varies According to Individualsâ€™ Obesity Class. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1679.	1.8	2

#	ARTICLE	IF	CITATIONS
9082	COVID-19: A Comprehensive Review on Cardiovascular Alterations, Immunity, and Therapeutics in Older Adults. <i>Journal of Clinical Medicine</i> , 2023, 12, 488.	1.0	5
9083	Identification and evaluation of midbrain specific longevity-related genes in exceptionally long-lived but healthy mice. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
9084	Does oxidative stress shorten telomeres in vivo? A meta-analysis. <i>Ageing Research Reviews</i> , 2023, 85, 101854.	5.0	32
9085	Identification of the ageing-related prognostic gene signature, and the associated regulation axis in skin cutaneous melanoma. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
9086	The temporal trend of disease burden attributable to metabolic risk factors in China, 1990-2019: An analysis of the Global Burden of Disease study. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	1
9087	Anti-retroviral treatment with zidovudine alters pyrimidine metabolism, reduces translation, and extends healthy longevity via ATF-4. <i>Cell Reports</i> , 2023, 42, 111928.	2.9	7
9088	“Aging Gut Microbiota and Colorectal Cancer Pathways Correlations” <i>Healthy Ageing and Longevity</i> , 2023, , 335-354.	0.2	0
9089	CircRNA and Ageing. <i>Sub-Cellular Biochemistry</i> , 2023, , 249-270.	1.0	6
9090	Interactomics: Dozens of Viruses, Co-evolving With Humans, Including the Influenza A Virus, may Actively Distort Human Aging. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	4
9091	A systematic review on the effects of ROCK inhibitors on proliferation and/or differentiation in human somatic stem cells: A hypothesis that ROCK inhibitors support corneal endothelial healing via acting on the limbal stem cell niche. <i>Ocular Surface</i> , 2023, 27, 16-29.	2.2	6
9092	Sex, aging and immunity in multiple sclerosis and experimental autoimmune encephalomyelitis: An intriguing interaction. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	1
9093	Loss of resilience contributes to detrusor underactivity in advanced age. <i>Biogerontology</i> , 0, , .	2.0	1
9094	Reversine ameliorates hallmarks of cellular senescence in human skeletal myoblasts via reactivation of autophagy. <i>Aging Cell</i> , 2023, 22, .	3.0	4
9095	Royal Jelly Increases Hematopoietic Stem Cells in Peripheral Blood: A Double-Blind, Placebo-Controlled, Randomized Trial in Healthy Subjects. <i>Evidence-based Complementary and Alternative Medicine</i> , 2023, 2023, 1-11.	0.5	2
9096	Progress and challenges in directing the differentiation of human iPSCs into spinal motor neurons. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
9097	Hallmarks of aging: An expanding universe. <i>Cell</i> , 2023, 186, 243-278.	13.5	894
9098	Defining the age-dependent and tissue-specific circadian transcriptome in male mice. <i>Cell Reports</i> , 2023, 42, 111982.	2.9	30
9099	Spt4 promotes cellular senescence by activating non-coding RNA transcription in ribosomal RNA gene clusters. <i>Cell Reports</i> , 2023, 42, 111944.	2.9	9

#	ARTICLE	IF	CITATIONS
9101	Anatomically interpretable deep learning of brain age captures domain-specific cognitive impairment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	21
9102	Health-related heterogeneity in brain aging and associations with longitudinal change in cognitive function. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	2
9103	Age-Related Alterations in Mesenchymal Stem Cell Function: Understanding Mechanisms and Seeking Opportunities to Bypass the Cellular Aging. <i>Current Stem Cell Research and Therapy</i> , 2024, 19, 15-32.	0.6	3
9104	Endoplasmic Reticulum Stress in Elderly Patients with COVID-19: Potential of Melatonin Treatment. <i>Viruses</i> , 2023, 15, 156.	1.5	6
9105	Conditioned medium from human cord blood mesenchymal stem cells attenuates age-related immune dysfunctions. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	1
9106	Testing the evidence that lifespan-extending compound interventions are conserved across laboratory animal model species. <i>GeroScience</i> , 2023, 45, 1401-1409.	2.1	3
9107	Fork-Remodeling Helicase Rad5 Preferentially Reverses Replication Forks with Gaps in the Leading Strand. <i>Journal of Molecular Biology</i> , 2023, 435, 167946.	2.0	1
9108	Exosomes: the latest in regenerative aesthetics. <i>Regenerative Medicine</i> , 2023, 18, 181-194.	0.8	7
9109	Association between cadmium exposure and pulmonary function reduction: Potential mediating role of telomere attrition in chronic obstructive pulmonary disease patients. <i>Ecotoxicology and Environmental Safety</i> , 2023, 251, 114548.	2.9	7
9110	Autophagy and polyphenol intervention strategy in aging. <i>Trends in Food Science and Technology</i> , 2023, 132, 1-10.	7.8	2
9111	Dysregulated systemic metabolism in a Down syndrome mouse model. <i>Molecular Metabolism</i> , 2023, 68, 101666.	3.0	6
9112	Concepts and definitions of healthy ageing: a systematic review and synthesis of theoretical models. <i>EClinicalMedicine</i> , 2023, 56, 101821.	3.2	13
9113	A comparison of cognitive performances based on differing rates of DNA methylation GrimAge acceleration among older men and women. <i>Neurobiology of Aging</i> , 2023, 123, 83-91.	1.5	1
9114	METTL3 alleviates D-gal-induced renal tubular epithelial cellular senescence via promoting miR-181a maturation. <i>Mechanisms of Ageing and Development</i> , 2023, 210, 111774.	2.2	2
9115	Age-dependent mechanical properties of tail tendons in wild-type and mimecan gene-knockout mice – A preliminary study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2023, 139, 105672.	1.5	1
9116	Metabolomics-Based Identification of Metabolic Dysfunction in Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2367-2372.	1.7	10
9117	A citológiai öregedés letkőri mintázatának székuláris trendjének vizsgálata felnőtt kőrben. <i>Anthropologiai Közlemenyek</i> , 2021, , 69-76.	0.4	1
9118	Molecular and Clinical Aspects in The Concept of Healthy Ageing. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
9119	Histone methyltransferase Smyd2 drives vascular aging by its enhancer-dependent activity. <i>Aging</i> , 2023, 15, 70-91.	1.4	0
9120	Life on Magnet: Long-Term Exposure of Moderate Static Magnetic Fields on the Lifespan and Healthspan of Mice. <i>Antioxidants</i> , 2023, 12, 108.	2.2	4
9121	Isocitrate Dehydrogenase Alpha-1 Modulates Lifespan and Oxidative Stress Tolerance in <i>Caenorhabditis elegans</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 612.	1.8	0
9122	Optogenetic rejuvenation of mitochondrial membrane potential extends <i>C. elegans</i> lifespan. <i>Nature Aging</i> , 2023, 3, 157-161.	5.3	14
9123	Biomonitoring of heavy metals and their association with DNA damage in Indian peafowl (<i>Pavo</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 58	2.7	3
9125	The sirtuin family in health and disease. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	115
9126	Lack of evidence for increased transcriptional noise in aged tissues. <i>ELife</i> , 0, 11, .	2.8	14
9127	Chromatin Dynamics: Chromatin Remodeler, Epigenetic Modification and Diseases. , 0, , .		0
9128	Multifaceted <i>Nothobranchius</i> . <i>Biochemistry (Moscow)</i> , 2022, 87, 1563-1578.	0.7	0
9129	C-C motif chemokine ligand 2 promotes myogenesis of myoblasts via the AKT-mTOR pathway. <i>Aging</i> , 2022, 14, 9860-9876.	1.4	1
9130	Cellular metabolism and mitochondrial dysfunction in chronic obstructive pulmonary disease. <i>Pulmonologiya</i> , 0, , .	0.2	0
9131	The impact of insomnia on frailty and the hallmarks of aging. <i>Aging Clinical and Experimental Research</i> , 2023, 35, 253-269.	1.4	6
9132	Potential antiaging and hepatoprotective effects of <i>Acanthopanax senticosus</i> extracts in adult rat models. <i>Rejuvenation Research</i> , 0, , .	0.9	1
9133	Planetary Metronome as a Regulator of Lifespan and Aging Rate: The Metronomic Hypothesis. <i>Biochemistry (Moscow)</i> , 2022, 87, 1640-1650.	0.7	6
9134	Is Aging an Inevitable Characteristic of Organic Life or an Evolutionary Adaptation?. <i>Biochemistry (Moscow)</i> , 2022, 87, 1413-1445.	0.7	2
9135	The membrane domain of respiratory complex I accumulates during muscle aging in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2022, 12, .	1.6	2
9136	Age effect on mesenchymal stem cell properties: a concise review. <i>Aging Pathobiology and Therapeutics</i> , 2022, 4, 109-118.	0.3	0
9137	Tracing Slow Phenoptosis to the Prenatal Stage in Social Vertebrates. <i>Biochemistry (Moscow)</i> , 2022, 87, 1512-1527.	0.7	1

#	ARTICLE	IF	CITATIONS
9139	Regulation of telomere silencing by the core histonesâ€“autophagyâ€“Sir2 axis. <i>Life Science Alliance</i> , 2023, 6, e202201614.	1.3	1
9140	Reduction, proliferation, and differentiation defects of stem cells over time: a consequence of selective accumulation of old centrioles in the stem cells?. <i>Molecular Biology Reports</i> , 2023, 50, 2751-2761.	1.0	2
9141	Activation and Metabolic Shifting: An Essential Process to Mesenchymal Stromal Cells Function. <i>Biochemistry</i> , 0, , .	0.8	0
9142	Pilot Study of Item Response Theory-based DNA Methylation Analysis for Aging Association. , 2022, , .		0
9143	Quercetin Prevents Intestinal Stem Cell Aging via Scavenging ROS and Inhibiting Insulin Signaling in <i>Drosophila</i> . <i>Antioxidants</i> , 2023, 12, 59.	2.2	2
9144	Current Trends and Approaches to the Search for Genetic Determinants of Aging and Longevity. <i>Russian Journal of Genetics</i> , 2022, 58, 1427-1443.	0.2	0
9145	High-frequency and functional mitochondrial DNA mutations at the single-cell level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	9
9147	Behavioral state-dependent modulation of insulin-producing cells in <i>Drosophila</i> . <i>Current Biology</i> , 2023, 33, 449-463.e5.	1.8	6
9149	<i>scShapes</i> : a statistical framework for identifying distribution shapes in single-cell RNA-sequencing data. <i>GigaScience</i> , 2022, 12, .	3.3	1
9151	Autophagy as an Anti-senescent in Aging Neurocytes. <i>Current Molecular Medicine</i> , 2024, 24, 182-190.	0.6	2
9152	Ageâ€“associated adipose tissue inflammation promotes monocyte chemotaxis and enhances atherosclerosis. <i>Aging Cell</i> , 2023, 22, .	3.0	8
9154	Fiber-Type Shifting in Sarcopenia of Old Age: Proteomic Profiling of the Contractile Apparatus of Skeletal Muscles. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2415.	1.8	18
9155	Association between B-vitamins intake and frailty among patients with chronic obstructive pulmonary disease. <i>Aging Clinical and Experimental Research</i> , 2023, 35, 793-801.	1.4	7
9156	Micronucleus Assay in Lymphocytes for Human Biomonitoring and Clinical Studies. <i>Biomarkers in Disease</i> , 2023, , 623-646.	0.0	0
9157	Intermittent Fasting as an Anti-Aging Strategy. , 2023, , 191-206.		1
9158	Evolutionary and genomic perspectives of brain aging and neurodegenerative diseases. <i>Progress in Brain Research</i> , 2023, , 165-215.	0.9	4
9159	Quadruplexes and aging: G4-binding proteins regulate the presence of miRNA in small extracellular vesicles (sEVs). <i>Biochimie</i> , 2023, 214, 69-72.	1.3	3
9162	Particle Nanoarchitectonics for Nanomedicine and Nanotherapeutic Drugs with Special Emphasis on Nasal Drugs and Aging. <i>Biomedicines</i> , 2023, 11, 354.	1.4	11

#	ARTICLE	IF	CITATIONS
9163	DNA Methylation Signature of Aging: Potential Impact on the Pathogenesis of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2023, 13, 145-164.	1.5	1
9164	Geroscience—the concept. , 2023, , 1-12.		0
9165	The collaborative peer review framework as a model for training biomedical graduate students to perform rigorous, ethical peer review. <i>Translational Medicine of Aging</i> , 2023, 7, 9-11.	0.6	0
9166	Redox Biology in Adipose Tissue Physiology and Obesity. <i>Advanced Biology</i> , 2023, 7, .	1.4	2
9168	Construction and validation of an aging-related gene signature predicting the prognosis of pancreatic cancer. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	4
9169	Glycolytic Inhibitors as Caloric Restriction Mimetics (CRM). , 2023, , 57-78.		1
9170	Functional Aging: Integrating Functionality to a Multidimensional Assessment of Healthy Aging. <i>Current Gerontology and Geriatrics Research</i> , 2023, 2023, 1-6.	1.6	1
9171	Purkinje-cell-specific DNA repair-deficient mice reveal that dietary restriction protects neurons by cell-intrinsic preservation of genomic health. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
9172	Perinatal Obesity Sensitizes for Premature Kidney Aging Signaling. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2508.	1.8	1
9173	Age-dependent nuclear lipid droplet deposition is a cellular hallmark of aging in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2023, 22, .	3.0	7
9174	Melatonin in Aging and Aging-Related Disorders. , 2023, , 155-189.		1
9175	Identification of Novel Senescent Markers in Small Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2421.	1.8	7
9176	Role of Oxidative Stress in Ocular Diseases: A Balancing Act. <i>Metabolites</i> , 2023, 13, 187.	1.3	16
9177	Targeting Mitochondria to Control Ageing and Senescence. <i>Pharmaceutics</i> , 2023, 15, 352.	2.0	7
9178	The pivotal role of JAK/STAT and IRS/PI3K signaling pathways in neurodegenerative diseases: Mechanistic approaches to polyphenols and alkaloids. <i>Phytomedicine</i> , 2023, 112, 154686.	2.3	13
9179	Genetics and Epigenetics of Aging and Age-Associated Diseases. , 2023, , 1-16.		0
9180	La edad molecular: reimaginando la vejez desde laboratorios de experimentación en telómeros. , 2023, 38, 369-387.		0
9181	The anti-aging mechanism of Berberine associated with metabolic control. , 2023, , 305-327.		0

#	ARTICLE	IF	CITATIONS
9182	Sarcopenia: investigation of metabolic changes and its associated mechanisms. <i>Skeletal Muscle</i> , 2023, 13, .	1.9	3
9183	Basic pathways and targets for anti-aging intervention. , 2023, , 13-40.		0
9184	Symbiotic association of gut microbiome in health and diseases at ageing. , 2023, , 551-571.		0
9185	Association between biological aging and lung cancer risk: Cohort study and Mendelian randomization analysis. <i>IScience</i> , 2023, 26, 106018.	1.9	7
9186	Causes of Clonal Hematopoiesis: a Review. <i>Current Oncology Reports</i> , 2023, 25, 211-220.	1.8	1
9187	Extensive accumulation of misfolded protein aggregates during natural aging and senescence. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	8
9188	Biological Aging in People Living with HIV on Successful Antiretroviral Therapy: Do They Age Faster?. <i>Current HIV/AIDS Reports</i> , 2023, 20, 42-50.	1.1	4
9189	The Effect of the Tau Protein on <i>D. melanogaster</i> Lifespan Depends on GSK3 Expression and Sex. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2166.	1.8	0
9190	Genome-wide RNA polymerase stalling shapes the transcriptome during aging. <i>Nature Genetics</i> , 2023, 55, 268-279.	9.4	36
9192	Nutritional and lifestyle management of the aging journey: A narrative review. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	7
9193	Anti-aging and Rejuvenation Based on Stem Cell Therapy. , 2023, , 79-98.		0
9194	Role of Buccal Cells in Neurodegeneration. , 2023, , 1-16.		0
9195	Prenatal thyroid hormones accelerate postnatal growth and telomere shortening in wild great tits. <i>Journal of Experimental Biology</i> , 2023, 226, .	0.8	5
9196	Histone Modifications in Alzheimer's Disease. <i>Genes</i> , 2023, 14, 347.	1.0	13
9197	New Insights into the Genetics and Epigenetics of Aging Plasticity. <i>Genes</i> , 2023, 14, 329.	1.0	2
9198	Increased Inflammasome Activation Is Associated with Aging and Chronic Myelomonocytic Leukemia Disease Severity. <i>Journal of Immunology</i> , 2023, 210, 580-589.	0.4	8
9199	Mitochondrial modulators. , 2023, , 193-226.		0
9200	Autophagy of naïve CD4 ⁺ T cells in aging – the role of body adiposity and physical fitness. <i>Expert Reviews in Molecular Medicine</i> , 2023, 25, .	1.6	1

#	ARTICLE	IF	CITATIONS
9201	Actin limits egg aneuploidies associated with female reproductive aging. <i>Science Advances</i> , 2023, 9, .	4.7	2
9202	Protein kinase modulation for anti-aging intervention. , 2023, , 285-304.		0
9203	Temporal trend of population structure, burden of diseases, healthcare resources and expenditure in China, 2000â€“2019. <i>BMJ Open</i> , 2023, 13, e062091.	0.8	3
9205	Rilmenidine extends lifespan and healthspan in <i>Caenorhabditis elegans</i> via a nischarin receptor. <i>Aging Cell</i> , 2023, 22, .	3.0	10
9206	Efficient representations of binarized health deficit data: the frailty index and beyond. <i>GeroScience</i> , 2023, 45, 1687-1711.	2.1	2
9207	Toward Healthy Aging: A Clinical Trial Builds on Mechanistic Insights. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 73-74.	1.7	1
9208	An Updated Overview on the Role of Small Molecules and Natural Compounds in the “Young Science” of Rejuvenation. <i>Antioxidants</i> , 2023, 12, 288.	2.2	4
9209	Exosome Release Delays Senescence by Disposing of Obsolete Biomolecules. <i>Advanced Science</i> , 2023, 10, .	5.6	8
9210	Coenzyme Q as an Antiaging Strategy. , 2023, , 17-39.		0
9211	Reprogramming of adult human dermal fibroblasts to induced dorsal forebrain precursor cells maintains aging signatures. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	2
9212	SIRT6 is a key regulator of mitochondrial function in the brain. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	12
9213	Lysophospholipids and branched chain amino acids are associated with aging: a metabolomics-based study of Chinese adults. <i>European Journal of Medical Research</i> , 2023, 28, .	0.9	2
9214	Repurpose dasatinib and quercetin: Targeting senescent cells ameliorates postmenopausal osteoporosis and rejuvenates bone regeneration. <i>Bioactive Materials</i> , 2023, 25, 13-28.	8.6	4
9215	Cordycepin Enhances <i>SIRT1</i> Expression and Maintains Stemness of Human Mesenchymal Stem Cells. <i>In Vivo</i> , 2023, 37, 596-610.	0.6	1
9216	Sleep and Circadian Clock: Novel Players in Health Impacts and Aging. <i>Healthy Ageing and Longevity</i> , 2023, , 3-31.	0.2	0
9217	Immune Deficiencies at the Extremes of Age. , 2023, , 272-280.		0
9218	Metformin extends the chronological lifespan of fission yeast by altering energy metabolism and stress resistance capacity. <i>FEMS Yeast Research</i> , 2023, 23, .	1.1	1
9219	Ontology (3): The Case for Programs: Altruistic Suicide, Quasi-Programs and Smurfs. , 2023, , 419-459.		0

#	ARTICLE	IF	CITATIONS
9220	Vitamin D as a Shield against Aging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4546.	1.8	16
9221	A PSYCHOSOCIAL PROBLEM: ELDERLY CRISIS THAT TURNS FROM PREJUDICE TO VIOLENCE. , 2023, 6, 115-142.		0
9222	Aging and memory are altered by genetically manipulating lactate dehydrogenase in the neurons or glia of flies. <i>Aging</i> , 0, , .	1.4	2
9223	Implication of Cellular Senescence in Osteoarthritis: A Study on Equine Synovial Fluid Mesenchymal Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3109.	1.8	0
9224	Anti-Inflammatory Effects of Flavonoids in Common Neurological Disorders Associated with Aging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4297.	1.8	8
9225	Folic acid protects against age-associated apoptosis and telomere attrition of neural stem cells in senescence-accelerated mouse prone 8. <i>Applied Physiology, Nutrition and Metabolism</i> , 0, , .	0.9	0
9226	Progress in Discovering Transcriptional Noise in Aging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3701.	1.8	3
9228	Longitudinal telomere dynamics within natural lifespans of a wild bird. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
9229	DNA methylation accelerated age as captured by epigenetic clocks influences breast cancer risk. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	0
9230	Healthy Lifestyle Behaviors and Biological Aging in the U.S. National Health and Nutrition Examination Surveys 1999â€“2018. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2023, 78, 1535-1542.	1.7	11
9231	Mitochondrial DNA as inflammatory DAMP: a warning of an aging immune system?. <i>Biochemical Society Transactions</i> , 2023, 51, 735-745.	1.6	5
9232	Association between the Inflammatory Potential of the Diet and Biological Aging: A Cross-Sectional Analysis of 4510 Adults from the Moli-Sani Study Cohort. <i>Nutrients</i> , 2023, 15, 1503.	1.7	1
9233	PGC-1s shape epidermal physiology by modulating keratinocyte proliferation and terminal differentiation. <i>iScience</i> , 2023, 26, 106314.	1.9	3
9234	Heterogeneous aging across multiple organ systems and prediction of chronic disease and mortality. <i>Nature Medicine</i> , 2023, 29, 1221-1231.	15.2	66
9235	Structural and physiological changes of the kidney with age and its impact on chronic conditions and COVID-19. <i>Ageing Research Reviews</i> , 2023, 88, 101932.	5.0	2
9236	Hematopoietic stem cells preferentially traffic misfolded proteins to aggresomes and depend on autophagy to maintain protein homeostasis. <i>Cell Stem Cell</i> , 2023, 30, 460-472.e6.	5.2	11
9237	Identification of key residues of the DNA glycosylase OGG1 controlling efficient DNA sampling and recruitment to oxidized bases in living cells. <i>Nucleic Acids Research</i> , 2023, 51, 4942-4958.	6.5	2
9238	Canonical and extraâ€“telomeric functions of telomerase: Implications for healthy ageing conferred by endurance training. <i>Aging Cell</i> , 2023, 22, .	3.0	3

#	ARTICLE	IF	CITATIONS
9239	Progress in biological age research. <i>Frontiers in Public Health</i> , 0, 11, .	1.3	9
9240	Which Types of Stress Are Associated With Accelerated Biological Aging? Comparing Perceived Stress, Stressful Life Events, Childhood Adversity, and Posttraumatic Stress Disorder. <i>Psychosomatic Medicine</i> , 2023, 85, 389-396.	1.3	2
9241	Effect of Sirt3 on hippocampal MnSOD activity, mitochondrial function, physiology, and cognition in an aged murine model. <i>Behavioural Brain Research</i> , 2023, 444, 114335.	1.2	2
9242	Association of 3-year change in sleep duration with risk of all-cause mortality in Chinese older population: A national cohort study. <i>Sleep Medicine</i> , 2023, 105, 25-31.	0.8	0
9243	The pollutome-connectome axis: a putative mechanism to explain pollution effects on neurodegeneration. <i>Ageing Research Reviews</i> , 2023, 86, 101867.	5.0	4
9244	Are cytoskeleton changes observed in astrocytes functionally linked to aging?. <i>Brain Research Bulletin</i> , 2023, 196, 59-67.	1.4	4
9245	Alpha-ketoglutarate as a potent regulator for lifespan and healthspan: Evidences and perspectives. <i>Experimental Gerontology</i> , 2023, 175, 112154.	1.2	7
9246	Juvenile hormone suppresses the FoxO-takeout axis to shorten longevity in male silkworm. <i>Pesticide Biochemistry and Physiology</i> , 2023, 192, 105388.	1.6	2
9247	Non-invasive coronary imaging in elderly population. <i>European Journal of Radiology</i> , 2023, 162, 110794.	1.2	2
9248	Aging and diabetic retinopathy: Inherently intertwined pathophysiological processes. <i>Experimental Gerontology</i> , 2023, 175, 112138.	1.2	7
9249	The pyruvate dehydrogenase complex: Life's essential, vulnerable and druggable energy homeostat. <i>Mitochondrion</i> , 2023, 70, 59-102.	1.6	8
9250	Older age should not be a barrier to testing for somatic variants in homologous recombination DNA repair-related genes in patients with high-grade serous ovarian carcinoma. <i>Translational Oncology</i> , 2023, 31, 101638.	1.7	0
9251	Exploring the role of mitochondria transfer/transplant and their long-non-coding RNAs in regenerative therapies for skin aging. <i>Mitochondrion</i> , 2023, 70, 41-53.	1.6	7
9252	Progression of pre-rheumatoid arthritis to clinical disease of joints: Potential role of mesenchymal stem cells. <i>Life Sciences</i> , 2023, 321, 121641.	2.0	4
9253	In silico evaluation of geroprotective phytochemicals as potential sirtuin 1 interactors. <i>Biomedicine and Pharmacotherapy</i> , 2023, 161, 114425.	2.5	2
9254	Links between telomere dysfunction and hallmarks of aging. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2023, 888, 503617.	0.9	1
9255	DNA damage-induced stalling of transcription drives aging through gene expression imbalance. <i>DNA Repair</i> , 2023, 125, 103483.	1.3	2
9256	Dynamics of cellular senescence markers after HCV elimination spontaneously or by DAAs in people living with HIV. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114664.	2.5	1

#	ARTICLE	IF	CITATIONS
9257	D-chiro-inositol increases antioxidant capacity and longevity of <i>Caenorhabditis elegans</i> via activating Nrf-2/SKN-1 and FOXO/DAF-16. <i>Experimental Gerontology</i> , 2023, 175, 112145.	1.2	3
9258	Corruption of DNA end-joining in mammalian chromosomes by progerin expression. <i>DNA Repair</i> , 2023, 126, 103491.	1.3	3
9259	The role of Sirtuin 1 and its activators in age-related lung disease. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114573.	2.5	5
9260	Senomorphic effect of diphenyleiodonium through AMPK/MFF/DRP1 mediated mitochondrial fission. <i>Biomedicine and Pharmacotherapy</i> , 2023, 162, 114616.	2.5	1
9261	The role of dietary strategies in the modulation of hallmarks of aging. <i>Ageing Research Reviews</i> , 2023, 87, 101908.	5.0	3
9262	Mitochondrion: A bridge linking aging and degenerative diseases. <i>Life Sciences</i> , 2023, 322, 121666.	2.0	2
9263	The effect of prolonged intermittent fasting on autophagy, inflammasome and senescence genes expressions: An exploratory study in healthy young males. <i>Human Nutrition and Metabolism</i> , 2023, 32, 200189.	0.8	2
9264	Mitochondria as biological targets for stem cell and organismal senescence. <i>European Journal of Cell Biology</i> , 2023, 102, 151289.	1.6	1
9265	Interleukin 6 and Interleukin 1 β hypomethylation and overexpression are common features of apical periodontitis: A case-control study with gingival tissue as control. <i>Archives of Oral Biology</i> , 2023, 150, 105694.	0.8	1
9266	Future foods, dietary factors and healthspan. <i>Journal of Future Foods</i> , 2023, 3, 75-98.	2.0	2
9267	Exercise protects aged mice against coronary endothelial senescence via FUNDC1-dependent mitophagy. <i>Redox Biology</i> , 2023, 62, 102693.	3.9	9
9268	Pathways to healing: Plants with therapeutic potential for neurodegenerative diseases. <i>IBRO Neuroscience Reports</i> , 2023, 14, 210-234.	0.7	4
9269	Inter-organ Crosstalk and the Effect on the Aging Process in Obesity. <i>Current Aging Science</i> , 2023, 16, 97-111.	0.4	1
9270	<i>Lycium ruthenicum</i> Murr. treatment attenuates APP ^{swE} /PS1 ^{E9} mouse model-like mitochondrial dysfunction in Slc25a46 knockout mouse model. <i>Food Science and Human Wellness</i> , 2023, 12, 1618-1625.	2.2	0
9271	m6A-mediated nonhomologous end joining (NHEJ) pathway regulates senescence in <i>Brachionus plicatilis</i> (Rotifera). <i>Archives of Gerontology and Geriatrics</i> , 2023, 111, 104994.	1.4	0
9272	Longitudinal fundus imaging and its genome-wide association analysis provide evidence for a human retinal aging clock. <i>ELife</i> , 0, 12, .	2.8	8
9273	Epigenetic Mechanisms of Aging and Aging-Associated Diseases. <i>Cells</i> , 2023, 12, 1163.	1.8	5
9274	β -Hydroxybutyrate alleviates cartilage senescence through hnRNP A1-mediated up-regulation of PTEN. <i>Experimental Gerontology</i> , 2023, 175, 112140.	1.2	2

#	ARTICLE	IF	CITATIONS
9275	The Immune and Inflammatory Response to Major Traumatic Injury. , 2022, , 147-160.		0
9276	Scleraxis-lineage cells are required for tendon homeostasis and their depletion induces an accelerated extracellular matrix aging phenotype. <i>ELife</i> , 0, 12, .	2.8	3
9277	Repurposing digoxin for geroprotection in patients with frailty and multimorbidity. <i>Ageing Research Reviews</i> , 2023, 86, 101860.	5.0	2
9278	A systematic review and meta-analysis of randomized controlled trials investigating the effects of probiotics on oxidative stress in healthy adults. <i>Clinical Nutrition ESPEN</i> , 2023, 54, 180-186.	0.5	1
9279	Deciphering the role of lipoproteins and lipid metabolic alterations in ageing and ageing-associated renal fibrosis. <i>Ageing Research Reviews</i> , 2023, 85, 101861.	5.0	8
9280	Ultra-small polydopamine nanomedicine-enabled antioxidation against senescence. <i>Materials Today Bio</i> , 2023, 19, 100544.	2.6	2
9281	Oral and gastrointestinal nutrient bioaccessibility of gluten-free bread is slightly affected by deficient mastication in the elderly. <i>Food Research International</i> , 2023, 165, 112523.	2.9	0
9283	Enteropathy and gut dysbiosis as obstacles to achieve immune recovery in undetectable people with HIV: a clinical view of evidence, successes, and projections. <i>Aids</i> , 2023, 37, 367-378.	1.0	1
9284	The emerging roles of tRNAs and tRNA-derived fragments during aging: Lessons from studies on model organisms. <i>Ageing Research Reviews</i> , 2023, 85, 101863.	5.0	4
9285	Strategies for the study of neuroepigenetics and aging with a translational approach. <i>Aging and Health Research</i> , 2023, 3, 100122.	0.5	0
9286	Thymosin beta-4 denotes new directions towards developing prosperous anti-aging regenerative therapies. <i>International Immunopharmacology</i> , 2023, 116, 109741.	1.7	1
9288	Circulating exosome-like vesicle and skeletal muscle microRNAs are altered with age and resistance training. <i>Journal of Physiology</i> , 2023, 601, 5051-5073.	1.3	11
9289	Is Red Cell Distribution Width a reliable marker for cardiovascular diseases? A narrative review. <i>Cardiology in Review</i> , 0, Publish Ahead of Print, .	0.6	2
9290	Longevity, Centenarians and Modified Cellular Proteodynamics. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2888.	1.8	4
9292	<i>Sohlh1</i> loss of function male and female infertility model impacts overall health beyond gonadal dysfunction in mice. <i>Biology of Reproduction</i> , 2023, 108, 619-628.	1.2	0
9293	Three-dimensional chromatin reorganization during muscle stem cell aging. <i>Ageing Cell</i> , 2023, 22, .	3.0	5
9294	Age-associated declining of the regeneration potential of skeletal stem/progenitor cells. <i>Frontiers in Physiology</i> , 0, 14, .	1.3	5
9295	Cross-sectional study and bioinformatics analysis to reveal the correlations of osteoporosis in patients with Parkinson's disease. <i>Experimental Gerontology</i> , 2023, 173, 112111.	1.2	1

#	ARTICLE	IF	CITATIONS
9296	Beyond Pellagra—Research Models and Strategies Addressing the Enduring Clinical Relevance of NAD Deficiency in Aging and Disease. <i>Cells</i> , 2023, 12, 500.	1.8	5
9297	Cellular Senescence: From Mechanisms to Current Biomarkers and Senotherapies. <i>Pharmacological Reviews</i> , 2023, 75, 675-713.	7.1	12
9298	Biomarkers for biosensors to monitor space-induced cardiovascular ageing. <i>Frontiers in Sensors</i> , 0, 4, .	1.7	1
9299	Antioxidant and Anti-Inflammatory Compounds from Edible Plants with Anti-Cancer Activity and Their Potential Use as Drugs. <i>Molecules</i> , 2023, 28, 1488.	1.7	11
9300	All-in-one smart dressing for simultaneous angiogenesis and neural regeneration. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	4.2	2
9301	Metabolomics Profiling of Age-Associated Metabolites in Malay Population. <i>Oxidative Medicine and Cellular Longevity</i> , 2023, 2023, 1-12.	1.9	2
9304	Naringin protects mice from D-galactose-induced lung aging and mitochondrial dysfunction: Implication of SIRT1 pathways. <i>Life Sciences</i> , 2023, 324, 121471.	2.0	4
9305	Human Xylosyltransferase —An Important Linker between Acute Senescence and Fibrogenesis. <i>Biomedicines</i> , 2023, 11, 460.	1.4	2
9306	Extracellular Vesicles in Aging: An Emerging Hallmark?. <i>Cells</i> , 2023, 12, 527.	1.8	6
9307	Physiological Roles of Hippo Signaling Pathway and Autophagy in Dementia. <i>Current Aging Science</i> , 2023, 16, 112-124.	0.4	0
9309	Exploring potential strategies to enhance memory and cognition in aging mice. <i>F1000Research</i> , 0, 12, 141.	0.8	0
9311	Antagonistic pleiotropy: the example of cardiac insulin-like growth factor signaling, which is essential in youth but detrimental in age. <i>Expert Opinion on Therapeutic Targets</i> , 2023, 27, 87-90.	1.5	1
9312	Clinicopathological Features of Kidney Injury Related to Immune Checkpoint Inhibitors: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2023, 12, 1349.	1.0	1
9313	New Concepts in the Manipulation of the Aging Process. <i>Current Stem Cell Research and Therapy</i> , 2024, 19, 178-184.	0.6	1
9314	Football training as a non-pharmacological treatment of the global aging population—A topical review. <i>Frontiers in Aging</i> , 0, 4, .	1.2	4
9315	The Cutting Edge of Epigenetic Clocks: In Search of Mechanisms Linking Aging and Mental Health. <i>Biological Psychiatry</i> , 2023, 94, 694-705.	0.7	8
9316	<sc>DNA</sc> repair in cardiomyocytes is critical for maintaining cardiac function in mice. <i>Aging Cell</i> , 2023, 22, .	3.0	9
9317	Bazi Bushen mitigates epigenetic aging and extends healthspan in naturally aging mice. <i>Biomedicine and Pharmacotherapy</i> , 2023, 160, 114384.	2.5	5

#	ARTICLE	IF	CITATIONS
9318	Effect of long-term caloric restriction on DNA methylation measures of biological aging in healthy adults from the CALERIE trial. <i>Nature Aging</i> , 2023, 3, 248-257.	5.3	39
9319	Transposable elements and their role in aging. <i>Ageing Research Reviews</i> , 2023, 86, 101881.	5.0	7
9320	Hallmarks and Biomarkers of Skin Senescence: An Updated Review of Skin Senotherapeutics. <i>Antioxidants</i> , 2023, 12, 444.	2.2	9
9321	Differential methylation in CD44 and SEC23A is associated with time preference in older individuals. <i>Economics and Human Biology</i> , 2023, 49, 101233.	0.7	0
9322	Deletion of <i>NRF2</i> disturbs composition, morphology, and differentiation of the murine tail epidermis in chronological aging. <i>BioFactors</i> , 2023, 49, 684-698.	2.6	1
9323	Coupling of autophagy and the mitochondrial intrinsic apoptosis pathway modulates proteostasis and ageing in <i>Caenorhabditis elegans</i> . <i>Cell Death and Disease</i> , 2023, 14, .	2.7	10
9324	Identifying the needs of older people living with HIV (≥50 years old) from multiple centres over the world: a descriptive analysis. <i>AIDS Research and Therapy</i> , 2023, 20, .	0.7	7
9325	Role of the Mitochondrial Permeability Transition in Bone Metabolism and Aging. <i>Journal of Bone and Mineral Research</i> , 2020, 38, 522-540.	3.1	2
9326	Glucose 6-P Dehydrogenase Overexpression Improves Aging-Induced Endothelial Dysfunction in Aorta from Mice: Role of Arginase II. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3622.	1.8	0
9327	Ontology (2) Death Programs and Their Discontents. , 2023, , 381-418.		0
9328	Manifold epigenetics: A conceptual model that guides engineering strategies to improve whole-body regenerative health. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	0
9329	A near-infrared fluorescent nanoprobe for senescence-associated β -galactosidase sensing in living cells. <i>Chemical Communications</i> , 2023, 59, 2974-2977.	2.2	1
9331	Death Is a Social Issue. , 2023, , 461-488.		0
9332	The Alzheimer's Disease Mitochondrial Cascade Hypothesis: A Current Overview. <i>Journal of Alzheimer's Disease</i> , 2023, 92, 751-768.	1.2	19
9333	Systematic estimation of biological age of in vitro cell culture systems by an age-associated marker panel. <i>Frontiers in Aging</i> , 0, 4, .	1.2	4
9334	Impact of Advanced Paternal Age on Fertility and Risks of Genetic Disorders in Offspring. <i>Genes</i> , 2023, 14, 486.	1.0	22
9335	Chromosomal and gonadal factors regulate microglial sex effects in the aging brain. <i>Brain Research Bulletin</i> , 2023, 195, 157-171.	1.4	4
9336	Effects of Ginsenoside Rg1 on the Biological Behavior of Human Amnion-Derived Mesenchymal Stem/Stromal Cells (hAD-MSCs). <i>Stem Cells International</i> , 2023, 2023, 1-19.	1.2	0

#	ARTICLE	IF	CITATIONS
9337	Clinical Epigenomic Explanation of the Epidemiology of Cannabinoid Genotoxicity Manifesting as Transgenerational Teratogenesis, Cancerogenesis and Aging Acceleration. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3360.	1.2	9
9338	Protein homeostasis in aging and cancer. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	3
9339	Reverse electron transfer is activated during aging and contributes to aging and age-related disease. <i>EMBO Reports</i> , 2023, 24, .	2.0	11
9340	The effects of macronutrients metabolism on cellular and organismal aging. <i>Biomedical Journal</i> , 2023, 46, 100585.	1.4	4
9341	A Year at the Forefront of Proteostasis and Aging. <i>Biology Open</i> , 2023, 12, .	0.6	2
9342	DNA methylation entropy as a measure of stem cell replication and aging. <i>Genome Biology</i> , 2023, 24, .	3.8	7
9344	Aging, Physical Exercise, Telomeres, and Sarcopenia: A Narrative Review. <i>Biomedicines</i> , 2023, 11, 598.	1.4	2
9345	P21 Overexpression Promotes Cell Death and Induces Senescence in Human Glioblastoma. <i>Cancers</i> , 2023, 15, 1279.	1.7	5
9346	Genome-wide analysis reveals novel regulators of synaptic maintenance in <i>Drosophila</i> . <i>Genetics</i> , 2023, 223, .	1.2	0
9347	Exogenous glucosylglycerol and proline extend the chronological lifespan of <i>Rhodospiridium toruloides</i> . <i>International Microbiology</i> , 0, , .	1.1	0
9348	SIRT1 as a Potential Therapeutic Target for Chronic Obstructive Pulmonary Disease. <i>Lung</i> , 2023, 201, 201-215.	1.4	1
9349	The multi-tissue landscape of somatic mtDNA mutations indicates tissue-specific accumulation and removal in aging. <i>ELife</i> , 0, 12, .	2.8	17
9350	Implications of Senescent Cell Burden and NRF2 Pathway in Uremic Calcification: A Translational Study. <i>Cells</i> , 2023, 12, 643.	1.8	3
9351	The etiology of clonal mosaicism in human aging and disease. <i>Aging and Cancer</i> , 2023, 4, 3-20.	0.5	2
9352	Iron status influences mitochondrial disease progression in Complex I-deficient mice. <i>ELife</i> , 0, 12, .	2.8	7
9353	Single 30-min treadmill exercise session suppresses the production of pro-inflammatory cytokines and oxidative stress in obese female adolescents. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2023, 34, 235-242.	0.7	10
9354	An evaluation of the role of miR-361-5p in senescence and systemic ageing. <i>Experimental Gerontology</i> , 2023, 174, 112127.	1.2	3
9355	Microbial-Immune Crosstalk in Elderly-Onset Inflammatory Bowel Disease: Uncharted Territory. <i>Journal of Crohn's and Colitis</i> , 2023, 17, 1309-1325.	0.6	1

#	ARTICLE	IF	CITATIONS
9356	Functional association between telomeres, oxidation and mitochondria. <i>Frontiers in Reproductive Health</i> , 0, 5, .	0.6	3
9357	Development of the Lung Transplant Frailty Scale (LT-FS). <i>Journal of Heart and Lung Transplantation</i> , 2023, 42, 892-904.	0.3	8
9358	Differential decline of physical fitness with age according to Body Mass Index levels. <i>Journal of Sports Medicine and Physical Fitness</i> , 2023, 63, .	0.4	1
9359	Behavioural changes in slime moulds over time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2023, 378, .	1.8	2
9360	m6A methylation: Critical roles in aging and neurological diseases. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	5
9362	Epigenetic-based age acceleration in a representative sample of older Americans: Associations with aging-related morbidity and mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	37
9363	The association between sex hormones and the change in brain-predicted age difference in older women. <i>Clinical Endocrinology</i> , 2023, 98, 692-699.	1.2	0
9364	Extracellular Vesicles as "Very Important Particles" (VIPs) in Aging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4250.	1.8	7
9365	A novel transgenic mouse model expressing primate-specific nuclear choline acetyltransferase: insights into potential cholinergic vulnerability. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
9366	Cross-talk between energy and redox metabolism in astrocyte-neuron functional cooperation. <i>Essays in Biochemistry</i> , 2023, 67, 17-26.	2.1	10
9367	Local senolysis in aged mice only partially replicates the benefits of systemic senolysis. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	16
9368	The Senolytic Drug Fisetin Attenuates Bone Degeneration in the Zmpste24 ^{+/+} Progeria Mouse Model. <i>Journal of Osteoporosis</i> , 2023, 2023, 1-12.	0.1	8
9369	Breath-by-breath measurement of exhaled ammonia by acetone-modifier positive photoionization ion mobility spectrometry via online dilution and purging sampling. <i>Journal of Pharmaceutical Analysis</i> , 2023, ., .	2.4	0
9370	Association of PM _{2.5} Components with Acceleration of Aging: Moderating Role of Sex Hormones. <i>Environmental Science & Technology</i> , 2023, 57, 3772-3782.	4.6	2
9371	Timeless or tainted? The effects of male ageing on seminal fluid. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	1.1	3
9372	Non-canonical autophagy in aging and age-related diseases. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	5
9373	Establishing and Validating an Aging-Related Prognostic Signature in Osteosarcoma. <i>Stem Cells International</i> , 2023, 2023, 1-19.	1.2	0
9374	Exercise and ageing impact the kynurenine/tryptophan pathway and acylcarnitine metabolite pools in skeletal muscle of older adults. <i>Journal of Physiology</i> , 2023, 601, 2165-2188.	1.3	7

#	ARTICLE	IF	CITATIONS
9375	Generation of a transparent killifish line through multiplex CRISPR/Cas9-mediated gene inactivation. <i>ELife</i> , 0, 12, .	2.8	10
9376	The Association of Physical Activity Behaviors and Patterns With Aging Acceleration: Evidence From the UKA Biobank. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 0, .	1.7	0
9378	Analysis of Wild Type and Variant B Cystatin C Interactome in Retinal Pigment Epithelium Cells Reveals Variant B Interacting Mitochondrial Proteins. <i>Cells</i> , 2023, 12, 713.	1.8	0
9379	Mechanisms of ageing: growth hormone, dietary restriction, and metformin. <i>Lancet Diabetes and Endocrinology</i> , 2023, 11, 261-281.	5.5	5
9380	The role of reactive oxygen species in bone cell physiology and pathophysiology. <i>Bone Reports</i> , 2023, 19, 101664.	0.2	3
9381	TNF- α contributes to sarcopenia through caspase-8/caspase-3/GSDME-mediated pyroptosis. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	9
9382	How I treat anemia in older adults. <i>Blood</i> , 2024, 143, 205-213.	0.6	0
9383	The Gut Microbial Bile Acid Modulation and Its Relevance to Digestive Health and Diseases. <i>Gastroenterology</i> , 2023, 164, 1069-1085.	0.6	14
9384	Biological Age Acceleration and Motoric Cognitive Risk Syndrome. <i>Annals of Neurology</i> , 2023, 93, 1187-1197.	2.8	2
9385	Influence of the Mediterranean Diet on Healthy Aging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4491.	1.8	14
9386	Soluble Epoxide Hydrolase Contributes to Cell Senescence and ER Stress in Aging Mice Colon. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4570.	1.8	3
9387	Cell Death and Replicative Senescence in Cancer. , 2023, , 153-175.		0
9388	Circle(s) of Life: The Circadian Clock from Birth to Death. <i>Biology</i> , 2023, 12, 383.	1.3	8
9389	Remission of insomnia in older adults treated with cognitive behavioral therapy for insomnia (CBT-I) reduces p16INK4a gene expression in peripheral blood: secondary outcome analysis from a randomized clinical trial. <i>GeroScience</i> , 2023, 45, 2325-2335.	2.1	2
9390	Mitochondrial stress and aging: Lessons from <i>C. elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2024, 154, 69-76.	2.3	3
9391	Link between Energy Investment in Biosynthesis and Proteostasis: Testing the Cost-“Quality Hypothesis in Insects. <i>Insects</i> , 2023, 14, 241.	1.0	0
9392	Implications of Hypothalamic Neural Stem Cells on Aging and Obesity-Associated Cardiovascular Diseases. <i>Cells</i> , 2023, 12, 769.	1.8	4
9393	Harnessing Genomic Analysis to Explore the Role of Telomeres in the Pathogenesis and Progression of Diabetic Kidney Disease. <i>Genes</i> , 2023, 14, 609.	1.0	1

#	ARTICLE	IF	CITATIONS
9394	Management of Older Adults with Sickle Cell Disease: Considerations for Current and Emerging Therapies. <i>Drugs and Aging</i> , 2023, 40, 317-334.	1.3	1
9395	Dietary Fruit Red Banana (<i>Musa acuminata</i> "Red Dacca") as a Potent Antiaging Candidate in <i>Caenorhabditis elegans</i> . <i>ACS Food Science & Technology</i> , 2023, 3, 439-449.	1.3	1
9396	Anti-ageing drugs. <i>Journal of Aesthetic Nursing</i> , 2023, 12, 57-57.	0.0	0
9397	Developmental Programming-Aging Interactions Have Sex-Specific and Developmental Stage of Exposure Outcomes on Life Course Circulating Corticosterone and Dehydroepiandrosterone (DHEA) Concentrations in Rats Exposed to Maternal Protein-Restricted Diets. <i>Nutrients</i> , 2023, 15, 1239.	1.7	2
9398	Modeling of senescent cell dynamics predicts a late-life decrease in cancer incidence. <i>Evolutionary Applications</i> , 2023, 16, 609-624.	1.5	2
9399	Assessment of Frailty Index at 66 Years of Age and Association With Age-Related Diseases, Disability, and Death Over 10 Years in Korea. <i>JAMA Network Open</i> , 2023, 6, e2248995.	2.8	4
9400	Towards AI-driven longevity research: An overview. <i>Frontiers in Aging</i> , 0, 4, .	1.2	11
9401	Lysosomal control of senescence and inflammation through cholesterol partitioning. <i>Nature Metabolism</i> , 2023, 5, 398-413.	5.1	14
9402	Panic at the Bile Duct. <i>American Journal of Pathology</i> , 2023, 193, 1440-1454.	1.9	3
9403	Skeletal muscle mitochondrial interactome remodeling is linked to functional decline in aged female mice. <i>Nature Aging</i> , 2023, 3, 313-326.	5.3	4
9404	A noncanonical response to replication stress protects genome stability through ROS production, in an adaptive manner. <i>Cell Death and Differentiation</i> , 2023, 30, 1349-1365.	5.0	5
9405	Sestrin2 as a Protective Shield against Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4880.	1.8	0
9406	Swimming and L-arginine loaded chitosan nanoparticles ameliorates aging-induced neuron atrophy, autophagy marker LC3, GABA and BDNF-TrkB pathway in the spinal cord of rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2023, 475, 621-635.	1.3	0
9407	Frailty Among Breast Cancer Survivors: Evidence From Swedish Population Data. <i>American Journal of Epidemiology</i> , 2023, 192, 1128-1136.	1.6	1
9408	Cellular liquid-liquid phase separation: Concept, functions, regulations, and detections. <i>Journal of Cellular Physiology</i> , 0, , .	2.0	0
9409	Fibroblast heterogeneity: Keystone of tissue homeostasis and pathology in inflammation and ageing. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
9411	Aging Hallmarks and the Role of Oxidative Stress. <i>Antioxidants</i> , 2023, 12, 651.	2.2	39
9412	Impact of Cellular Senescence on Cellular Clocks. <i>Healthy Ageing and Longevity</i> , 2023, , 105-125.	0.2	0

#	ARTICLE	IF	CITATIONS
9413	cGAS-STING pathway as a potential trigger of immunosenescence and inflammaging. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	13
9414	Systematic characterization of chromodomain proteins reveals an H3K9me1/2 reader regulating aging in <i>C. elegans</i> . <i>Nature Communications</i> , 2023, 14, .	5.8	1
9415	Involvement of p38 MAPK in Leydig cell aging and age-related decline in testosterone. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	5
9416	Tau protein plays a role in the mechanism of cognitive disorders induced by anesthetic drugs. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	3
9417	Epigenetics of Altered Circadian and Sleep Cycle Induced Effects on Aging and Longevity. <i>Healthy Ageing and Longevity</i> , 2023, , 363-390.	0.2	0
9418	Sleep Hormone Melatonin, Inflammation and Aging. <i>Healthy Ageing and Longevity</i> , 2023, , 259-276.	0.2	0
9419	The Gengnianchun recipe attenuates insulin resistance-induced diminished ovarian reserve through inhibiting the senescence of granulosa cells. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	3
9420	hCINAP alleviates senescence by regulating MDM2 via p14ARF and the HDAC1/CoREST complex. <i>Journal of Molecular Cell Biology</i> , 2023, 15, .	1.5	1
9421	Moving senolytics closer to the clinic in IPF. <i>EBioMedicine</i> , 2023, 90, 104513.	2.7	0
9422	Recent Progress in Understanding the Health Benefits of Curcumin. <i>Molecules</i> , 2023, 28, 2418.	1.7	5
9423	Oxidative stress impairs the $\text{Nur77}\hat{=}\text{Sirt1}$ axis resulting in a decline in organism homeostasis during aging. <i>Aging Cell</i> , 2023, 22, .	3.0	4
9424	Using mass spectrometry imaging to visualize age-related subcellular disruption. <i>Frontiers in Molecular Biosciences</i> , 0, 10, .	1.6	6
9426	Gut Microbiota, an Additional Hallmark of Human Aging and Neurodegeneration. <i>Neuroscience</i> , 2023, 518, 141-161.	1.1	17
9427	Defective chaperone-mediated autophagy is a hallmark of joint disease in patients with knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2023, 31, 919-933.	0.6	10
9430	Metabolic reprogramming by Acly inhibition using SB-204990 alters gluco-regulation and modulates molecular mechanisms associated with aging. <i>Communications Biology</i> , 2023, 6, .	2.0	5
9431	Life stressors and immune aging: Protective effects of cognitive reappraisal. <i>Brain, Behavior, and Immunity</i> , 2023, 110, 212-221.	2.0	0
9433	Young Astrocytic Mitochondria Attenuate the Elevated Level of CCL11 in the Aged Mice, Contributing to Cognitive Function Improvement. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5187.	1.8	2
9434	Secretory Factors from Calcium-Sensing Receptor-Activated SW872 Pre-Adipocytes Induce Cellular Senescence and A Mitochondrial Fragmentation-Mediated Inflammatory Response in HepG2 Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5217.	1.8	0

#	ARTICLE	IF	CITATIONS
9435	Vitamin D, Cellular Senescence and Chronic Kidney Diseases: What Is Missing in the Equation?. <i>Nutrients</i> , 2023, 15, 1349.	1.7	3
9436	Characterizing the lens regeneration process in <i>Pleurodeles waltl</i> . <i>Differentiation</i> , 2023, , .	1.0	3
9437	The Extracellular Matrix Vitalizer RATM Increased Skin Elasticity by Modulating Mitochondrial Function in Aged Animal Skin. <i>Antioxidants</i> , 2023, 12, 694.	2.2	0
9438	Zingiber officinale Roscoe Rhizome Extract Exerts Senomorphic and Anti-Inflammatory Activities on Human Endothelial Cells. <i>Biology</i> , 2023, 12, 438.	1.3	1
9439	Determination of the autophagic flux in murine and human peripheral blood mononuclear cells. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	3
9440	Aging: Epigenetic modifications. <i>Progress in Molecular Biology and Translational Science</i> , 2023, , 171-209.	0.9	1
9441	The Roles of Myeloid Cells in Aging-related Liver Diseases. <i>International Journal of Biological Sciences</i> , 2023, 19, 1564-1578.	2.6	2
9442	The Emerging Role of Accelerated Cellular Senescence in Periodontitis. <i>Journal of Dental Research</i> , 2023, 102, 854-862.	2.5	4
9443	The Molecular Mechanism of Polyphenols in the Regulation of Ageing Hallmarks. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5508.	1.8	5
9446	Cellular rejuvenation: molecular mechanisms and potential therapeutic interventions for diseases. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	21
9447	Chronological and Replicative Aging of CD51 ⁺ /PDGFR- α ⁺ Pulp Stromal Cells. <i>Journal of Dental Research</i> , 2023, 102, 929-937.	2.5	3
9448	CNS Ageing in Health and Neurodegenerative Disorders. <i>Journal of Clinical Medicine</i> , 2023, 12, 2255.	1.0	8
9449	MAPKs in the early steps of senescence implemEMTation. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	1
9450	Among Gerontogens, Heavy Metals Are a Class of Their Own: A Review of the Evidence for Cellular Senescence. <i>Brain Sciences</i> , 2023, 13, 500.	1.1	3
9451	mTORC1-Induced Bone Marrow-Derived Mesenchymal Stem Cell Exhaustion Contributes to the Bone Abnormalities in <i>Klotho</i> -Deficient Mice of Premature Aging. <i>Stem Cells and Development</i> , 0, , .	1.1	0
9452	Senescence-associated transcriptional derepression in subtelomeres is determined in a chromosome-specific manner. <i>Aging Cell</i> , 0, , .	3.0	2
9453	Shared miRNA landscapes of COVID-19 and neurodegeneration confirm neuroinflammation as an important overlapping feature. <i>Frontiers in Molecular Neuroscience</i> , 0, 16, .	1.4	2
9454	Emerging Therapeutic Approaches to Target the Dark Side of Senescent Cells: New Hopes to Treat Aging as a Disease and to Delay Age-Related Pathologies. <i>Cells</i> , 2023, 12, 915.	1.8	6

#	ARTICLE	IF	CITATIONS
9455	Metformin promotes in vitro maturation of oocytes from aged mice by attenuating mitochondrial oxidative stress via SIRT3-dependent SOD2ac. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
9456	Interplay between hereditary and acquired factors determines the neutrophil counts in older individuals. <i>Blood Advances</i> , 2023, 7, 3232-3243.	2.5	1
9457	Relationships between circulating metabolites and facial skin aging: a Mendelian randomization study. <i>Human Genomics</i> , 2023, 17, .	1.4	3
9458	Aortic Stiffness: A Major Risk Factor for Multimorbidity in the Elderly. <i>Journal of Clinical Medicine</i> , 2023, 12, 2321.	1.0	8
9459	Progress in the research of organ aging and the related degenerative diseases in China. <i>Chinese Science Bulletin</i> , 2023, 68, 2594-2605.	0.4	1
9460	Measuring biological age using a functionally interpretable multi-tissue RNA clock. <i>Aging Cell</i> , 2023, 22, .	3.0	6
9461	The Role of the National Institute on Aging in the Development of the Field of Geroscience. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2023, 13, a041211.	2.9	2
9462	Heterogeneity of Cellular Senescence: Cell Type-Specific and Senescence Stimulus-Dependent Epigenetic Alterations. <i>Cells</i> , 2023, 12, 927.	1.8	5
9463	Preservation of Mitochondrial Health in Liver Ischemia/Reperfusion Injury. <i>Biomedicines</i> , 2023, 11, 948.	1.4	8
9464	An approach to the effects of longevity, sexual maturity, and reproduction on telomere length and oxidative stress in different Psittacidae species. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	0
9466	On frailty and accelerated aging during SARS-Cov-2: senescence. <i>Aging Clinical and Experimental Research</i> , 2023, 35, 907-912.	1.4	0
9467	New Senolysis Approach via Antibody-Drug Conjugate Targeting of the Senescent Cell Marker Apolipoprotein D for Skin Rejuvenation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5857.	1.8	2
9468	Rapid Oral Health Deterioration in Older People—A Narrative Review from a Socio-Economic Perspective. <i>Journal of Clinical Medicine</i> , 2023, 12, 2396.	1.0	1
9469	Mitochondria hormesis delays aging and associated diseases in <i>Caenorhabditis elegans</i> impacting on key ferroptosis players. <i>IScience</i> , 2023, 26, 106448.	1.9	4
9471	Emerging roles of interferon-stimulated gene-15 in age-related telomere attrition, the DNA damage response, and cardiovascular disease. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	2
9472	Epigenetic clocks and female fertility timeline: A new approach to an old issue?. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	2
9473	Network-level analysis of ageing and its relationship with diseases and tissue regeneration in the mouse liver. <i>Scientific Reports</i> , 2023, 13, .	1.6	4
9474	Role of T-box transcription factor 3 in gastric cancers. <i>World Journal of Gastrointestinal Pathophysiology</i> , 0, 14, 12-20.	0.5	0

#	ARTICLE	IF	CITATIONS
9475	Longevity-Associated Transcription Factor <i>ATF7</i> Promotes Healthspan by Suppressing Cellular Senescence and Systematic Inflammation. , 2022, .		1
9476	Endothelial Glycocalyx in Aging and Age-related Diseases. , 2023, 14, 1606.		1
9477	Vanillic Acid Improves Stress Resistance and Substantially Extends Life Span in <i>Caenorhabditis elegans</i> . Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 1100-1107.	1.7	5
9478	Prenatal environment impacts telomere length in newborn dairy heifers. Scientific Reports, 2023, 13, .	1.6	3
9479	Long-term dietary folic acid supplementation attenuated aging-induced hippocampus atrophy and promoted glucose uptake in 25-month-old rats with cognitive decline. Journal of Nutritional Biochemistry, 2023, 117, 109328.	1.9	4
9480	Six-Month Synbio® Administration Affects Nutritional and Inflammatory Parameters of Older Adults Included in the PROBIOSENIOR Project. Microorganisms, 2023, 11, 801.	1.6	1
9481	A New Landscape of Human Dental Aging: Causes, Consequences, and Intervention Avenues. , 2022, .		0
9482	Extracellular Matrix Dynamics as an Emerging yet Understudied Hallmark of Aging and Longevity. , 2023, 14, 670.		8
9483	Mitochondria Transplantation from Stem Cells for Mitigating Sarcopenia. , 2023, 14, 1700.		1
9484	Neuronal Prosurvival Role of Ceramide Synthase 2 by Oligodendrocyte-to-Neuron Extracellular Vesicle Transfer. International Journal of Molecular Sciences, 2023, 24, 5986.	1.8	1
9485	Role of noncoding RNAs in cardiac ageing. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	2
9486	Turning Back the Clock: A Retrospective Single-Blind Study on Brain Age Change in Response to Nutraceuticals Supplementation vs. Lifestyle Modifications. Brain Sciences, 2023, 13, 520.	1.1	0
9487	The Role of cGAS-STING in Age-Related Diseases from Mechanisms to Therapies. , 2023, .		6
9488	The Impact of Glucose-Lowering Strategy on the Risk of Increasing Frailty Severity among 49,519 Patients with Diabetes Mellitus: A Longitudinal Cohort Study. , 2023, .		1
9489	Muscle PARP1 inhibition extends lifespan through AMPK± PARylation and activation in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	9
9490	C-Phycocyanin Ameliorates the Senescence of Mesenchymal Stem Cells through ZDHHC5-Mediated Autophagy <i>via</i> PI3K/AKT/mTOR Pathway. , 2023, .		1
9491	Epigenetic aging and PTSD outcomes in the immediate aftermath of trauma. Psychological Medicine, 2023, 53, 7170-7179.	2.7	2
9492	Reduced Epigenetic Age in Older Adults With High Sense of Purpose in Life. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 1092-1099.	1.7	1

#	ARTICLE	IF	CITATIONS
9493	Epidemiology of Aging. , 2023, , 1-37.		0
9494	Effects of Caloric Restriction on Spatial Object Recognition Memory, Hippocampal Neuron Loss and Neuroinflammation in Aged Rats. <i>Nutrients</i> , 2023, 15, 1572.	1.7	1
9495	Food Peptides for the Nutricosmetic Industry. <i>Antioxidants</i> , 2023, 12, 788.	2.2	2
9498	Evolutionary conservation of the fidelity of transcription. <i>Nature Communications</i> , 2023, 14, .	5.8	5
9499	Phosphoglycerate dehydrogenase activates PKM2 to phosphorylate histone H3T11 and attenuate cellular senescence. <i>Nature Communications</i> , 2023, 14, .	5.8	11
9500	Tissue stretching is a confounding factor for the evaluation of neurodegeneration in the fast-ageing killifish. <i>Biogerontology</i> , 0, , .	2.0	1
9502	Nutrition and Physical Activity as Modulators of Osteosarcopenic Adiposity: A Scoping Review and Recommendations for Future Research. <i>Nutrients</i> , 2023, 15, 1619.	1.7	0
9503	Current Insights into the Formulation and Delivery of Therapeutic and Cosmeceutical Agents for Aging Skin. <i>Cosmetics</i> , 2023, 10, 54.	1.5	1
9505	Epigenetic Signatures of Aging: A Comprehensive Study of Biomarker Discovery. <i>Advances in Aging Research</i> , 2023, 12, 11-38.	0.3	0
9506	<sc>TFEB</sc>-dependent lysosome biogenesis is required for senescence. <i>EMBO Journal</i> , 2023, 42, .	3.5	13
9507	Model organism life extending therapeutics modulate diverse nodes in the drug-gene-microbe tripartite human longevity interactome. <i>Journal of Biomolecular Structure and Dynamics</i> , 2024, 42, 393-411.	2.0	1
9508	Necroptosis inhibition counteracts neurodegeneration, memory decline, and key hallmarks of aging, promoting brain rejuvenation. <i>Aging Cell</i> , 2023, 22, .	3.0	6
9509	Potential of Urolithin A to improve joint health. <i>Aging</i> , 2023, 15, 1711-1712.	1.4	0
9510	Senotherapeutics: An emerging approach to the treatment of viral infectious diseases in the elderly. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	2
9511	Telomerase reverse transcriptase and neurodegenerative diseases. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	4
9512	Establishing the contribution of active histone methylation marks to the aging transcriptional landscape of <i>Drosophila</i> photoreceptors. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
9513	How the Disruption of Mitochondrial Redox Signalling Contributes to Ageing. <i>Antioxidants</i> , 2023, 12, 831.	2.2	7
9514	Autophagic Mechanisms in Longevity Intervention: Role of Natural Active Compounds. <i>Expert Reviews in Molecular Medicine</i> , 0, , 1-41.	1.6	0

#	ARTICLE	IF	CITATIONS
9515	LncRNA TUG1 promotes pulmonary fibrosis progression via up-regulating CDC27 and activating PI3K/Akt/mTOR pathway. <i>Epigenetics</i> , 2023, 18, .	1.3	5
9516	Cycloastragenol: A Novel Senolytic Agent That Induces Senescent Cell Apoptosis and Restores Physical Function in TBI-Aged Mice. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6554.	1.8	4
9517	Leukocyte telomere length and bipolar disorder risk: evidence from Mendelian randomization analysis. <i>PeerJ</i> , 0, 11, e15129.	0.9	1
9518	Adiponectin deficiency accelerates brain aging via mitochondria-associated neuroinflammation. <i>Immunity and Ageing</i> , 2023, 20, .	1.8	8
9519	Recent Applications of Melanin-like Nanoparticles as Antioxidant Agents. <i>Antioxidants</i> , 2023, 12, 863.	2.2	9
9520	<i>Drosophila melanogaster</i> as a model to study age and sex differences in brain injury and neurodegeneration after mild head trauma. <i>Frontiers in Neuroscience</i> , 0, 17, .	1.4	4
9521	Chemical labeling achieves 8-oxo-7,8-dihydroguanine mapping in the microRNA transcriptome. <i>Chemical Communications</i> , 0, , .	2.2	0
9522	Targeting mTOR for Anti-Aging and Anti-Cancer Therapy. <i>Molecules</i> , 2023, 28, 3157.	1.7	4
9523	Healthy aging: when periodontal health matters. <i>Journal of Gerontology and Geriatrics</i> , 0, , 1-13.	0.2	0
9524	Cellular senescence and the blood-brain barrier: Implications for aging and age-related diseases. <i>Experimental Biology and Medicine</i> , 2023, 248, 399-411.	1.1	4
9525	Mitigation of Cardiovascular Disease and Toxicity through NRF2 Signalling. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6723.	1.8	3
9526	Chronic Sleep Disturbances Alters Sleep Structure and Tau Phosphorylation in A β PP/PS1 AD Mice and Their Wild-Type Littermates. <i>Journal of Alzheimer's Disease</i> , 2023, 92, 1341-1355.	1.2	3
9527	Molecular mechanisms of action of metformin: latest advances and therapeutic implications. <i>Clinical and Experimental Medicine</i> , 2023, 23, 2941-2951.	1.9	2
9528	Epitranscriptomics: new players in an old game. <i>Biochemical Society Transactions</i> , 2023, 51, 783-796.	1.6	1
9529	Hydroxytyrosol Interference with Inflammaging via Modulation of Inflammation and Autophagy. <i>Nutrients</i> , 2023, 15, 1774.	1.7	4
9530	Contribution of A-to-I RNA editing, m6A RNA Methylation, and Alternative Splicing to physiological brain aging and neurodegenerative diseases. <i>Mechanisms of Ageing and Development</i> , 2023, 212, 111807.	2.2	6
9531	Molecular integrators of stress and aging: the example of FKBP5. <i>Acta Neuropathologica</i> , 0, , .	3.9	0
9532	The Effect of Vitamin C and N-Acetylcysteine on Tendon-to-Bone Healing in a Rodent Model of Rotator Cuff Repair. <i>American Journal of Sports Medicine</i> , 2023, 51, 1596-1607.	1.9	2

#	ARTICLE	IF	CITATIONS
9533	Delayed Wound Healing in the Elderly and a New Therapeutic Target: CD271. <i>Current Stem Cell Research and Therapy</i> , 2024, 19, 316-323.	0.6	1
9534	Reverse Electron Transport at Mitochondrial Complex I in Ischemic Stroke, Aging, and Age-Related Diseases. <i>Antioxidants</i> , 2023, 12, 895.	2.2	5
9535	Klotho Null Mutation Involvement in Adenosine A2B Receptor-Related Skeletal Muscle Degeneration. <i>American Journal of Pathology</i> , 2023, , .	1.9	0
9536	Alterations in histology of the aging salivary gland and correlation with the glandular inflammatory microenvironment. <i>IScience</i> , 2023, 26, 106571.	1.9	6
9537	Toward a systems-level probing of tumor clonality. <i>IScience</i> , 2023, 26, 106574.	1.9	1
9538	Presbyphagia: Dysphagia in the elderly. <i>World Journal of Clinical Cases</i> , 0, 11, 2363-2373.	0.3	6
9539	Association of Race and Poverty Status With DNA Methylation-Based Age. <i>JAMA Network Open</i> , 2023, 6, e236340.	2.8	6
9540	Clay microparticles for the enhancement of bone regeneration: in vitro studies. <i>Histochemistry and Cell Biology</i> , 2023, 160, 39-49.	0.8	1
9541	Regulatory Effect of Pyroptosis Related Genes Expression in Adipose Tissue of Aging Rats by Long-Time Weight-Bearing Running. <i>Rehabilitation Medicine</i> , 2023, 33, 42-50.	0.1	0
9542	Accelerated epigenetic aging and myopenia in young adult cancer survivors. <i>Cancer Medicine</i> , 2023, 12, 12149-12160.	1.3	5
9543	Advances in biomarkers and diagnostic significance of organ aging. <i>Fundamental Research</i> , 2023, , .	1.6	0
9544	Thymic function and survival at advance ages in nursing home residents from Southern Italy. <i>Immunity and Ageing</i> , 2023, 20, .	1.8	1
9545	The Potential Use of Mitochondrial Extracellular Vesicles as Biomarkers or Therapeutical Tools. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7005.	1.8	4
9546	Urolithin A Produced by Novel Microbial Fermentation Possesses Anti-aging Effects by Improving Mitophagy and Reducing Reactive Oxygen Species in <i>Caenorhabditis elegans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2023, 71, 6348-6357.	2.4	4
9547	Research on the Weighting Values of Community Aging-Friendly Construction Indexes With Different Expert Groups. <i>Inquiry (United States)</i> , 2023, 60, 004695802311679.	0.5	0
9548	Cytoplasmic DNAs: Sources, sensing, and roles in the development of lung inflammatory diseases and cancer. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
9549	Ageing-associated changes in transcriptional elongation influence longevity. <i>Nature</i> , 2023, 616, 814-821.	13.7	39
9550	Differences in the post-stroke innate immune response between young and old. <i>Seminars in Immunopathology</i> , 2023, 45, 367-376.	2.8	8

#	ARTICLE	IF	CITATIONS
9552	Endothelial Cell Dysfunction and Increased Cardiovascular Risk in Patients With Chronic Kidney Disease. <i>Circulation Research</i> , 2023, 132, 970-992.	2.0	13
9553	The Aryl Hydrocarbon Receptor, Epigenetics and the Aging Process. <i>Journal of Nutrition, Health and Aging</i> , 2023, 27, 291-300.	1.5	2
9554	Dysfunction of the neurovascular unit in brain aging. <i>Journal of Biomedical Research</i> , 2023, 37, 1.	0.7	0
9555	60 years of healthy aging: On definitions, biomarkers, scores and challenges. <i>Ageing Research Reviews</i> , 2023, 88, 101934.	5.0	18
9556	Chronological Age and DNA Damage Accumulation in Blood Mononuclear Cells: A Linear Association in Healthy Humans after 50 Years of Age. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7148.	1.8	0
9557	Herbal/Natural Compounds Resist Hallmarks of Brain Aging: From Molecular Mechanisms to Therapeutic Strategies. <i>Antioxidants</i> , 2023, 12, 920.	2.2	5
9558	Understanding HAT1: A Comprehensive Review of Noncanonical Roles and Connection with Disease. <i>Genes</i> , 2023, 14, 915.	1.0	2
9562	Characterization of the HDAC/PI3K inhibitor CUDC-907 as a novel senolytic. <i>Aging</i> , 2023, 15, 2373-2394.	1.4	4
9563	Morphological Characteristics of Young and Old Murine Hematopoietic Stem Cell Niches, as Modeled In Vitro. <i>Scanning</i> , 2023, 2023, 1-10.	0.7	0
9564	DRAG in situ barcoding reveals an increased number of HSPCs contributing to myelopoiesis with age. <i>Nature Communications</i> , 2023, 14, .	5.8	2
9565	Therapeutic potential of nitric oxide in vascular aging due to the promotion of angiogenesis. <i>Chemical Biology and Drug Design</i> , 0, , .	1.5	1
9566	Overcoming the Limitations of CRISPR-Cas9 Systems in <i>Saccharomyces cerevisiae</i> : Off-Target Effects, Epigenome, and Mitochondrial Editing. <i>Microorganisms</i> , 2023, 11, 1040.	1.6	0
9568	Whole-transcriptome sequencing analysis reveal mechanisms of Yiqi Huoxue Yangyin (YHY) decoction in ameliorating D-gal-induced cardiac aging. <i>Aging</i> , 0, , .	1.4	0
9569	Cancer History Avoids the Increase of Senescence Markers in Peripheral Cells of Amnesic Mild Cognitive Impaired Patients. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7364.	1.8	0
9570	Growing old together: What we know about the influence of diet and exercise on the aging host's gut microbiome. <i>Frontiers in Sports and Active Living</i> , 0, 5, .	0.9	6
9571	Can Epigenetics Predict Drug Efficiency in Mental Disorders?. <i>Cells</i> , 2023, 12, 1173.	1.8	0
9572	Tetrahydroxystilbene Glucoside Attenuates Oxidative Stress-Induced Aging by Regulating Oxidation Resistance and Inflammation in Larval Zebrafish. <i>Zebrafish</i> , 2023, 20, 55-66.	0.5	0
9573	Neuroprotective effect of short-chain fatty acids against oxidative stress-induced SH β Y injury via GPR43-dependent pathway. <i>Journal of Neurochemistry</i> , 2023, 166, 201-214.	2.1	1

#	ARTICLE	IF	CITATIONS
9574	Oxidative stress and inflammation: the root causes of aging. <i>Exploration of Medicine</i> , 0, , 127-156.	1.5	1
9575	<i>Aging and Cancer</i> , 2023, , 479-488.		0
9576	Retinal age as a predictive biomarker of the diabetic retinopathy grade. <i>Archivos De La Sociedad Espanola De Oftalmologia</i> , 2023, 98, 265-269.	0.1	1
9577	Keperawatan dan Faktor-Faktor yang Mempengaruhi Luka Nekrotik Usus pada Pasien Covid-19. , 2023, 2, 1-14.		0
9578	Biomarkers of aging. <i>Science China Life Sciences</i> , 2023, 66, 893-1066.	2.3	60
9579	Multi-omic underpinnings of epigenetic aging and human longevity. <i>Nature Communications</i> , 2023, 14, .	5.8	5
9580	INFLAMMATION, MENOPAUSE, AND WOMEN’S HEALTH: A RHEUMATOLOGICAL PERSPECTIVE. , 2023, 2, 16-22.		0
9581	Sarcopenia, Cognitive Function, and the Heterogeneity in Aging. <i>Journal of Nutrition, Health and Aging</i> , 2023, 27, 240-242.	1.5	1
9585	Impact of aging on immune function in the pathogenesis of pulmonary diseases: potential for therapeutic targets. <i>Expert Review of Respiratory Medicine</i> , 2023, 17, 351-364.	1.0	3
9586	How can we modulate aging through nutrition and physical exercise? An epigenetic approach. <i>Aging</i> , 0, , .	1.4	1
9587	Connecting the dots: Neuronal senescence, stress granules, and neurodegeneration. <i>Gene</i> , 2023, 871, 147437.	1.0	5
9588	Watching the human retina breath in real time and the slowing of mitochondrial respiration with age. <i>Scientific Reports</i> , 2023, 13, .	1.6	3
9589	Pathophysiological Effects of Contemporary Lifestyle on Evolutionary-Conserved Survival Mechanisms in Polycystic Ovary Syndrome. <i>Life</i> , 2023, 13, 1056.	1.1	3
9590	Identification of telomere-related genes associated with aging-related molecular clusters and the construction of a diagnostic model in Alzheimer’s disease based on a bioinformatic analysis. <i>Computers in Biology and Medicine</i> , 2023, 159, 106922.	3.9	2
9591	Common factors among three types of cells aged in mice. <i>Biogerontology</i> , 0, , .	2.0	0
9592	Epigenetic Modifiers as Game Changers for Healthy Aging. <i>Rejuvenation Research</i> , 2023, 26, 88-104.	0.9	2
9593	In Vitro Probiotic Properties and In Vivo Anti-Ageing Effects of <i>Lactiplantibacillus plantarum</i> PFA2018AU Strain Isolated from Carrots on <i>Caenorhabditis elegans</i> . <i>Microorganisms</i> , 2023, 11, 1087.	1.6	2
9594	Aging microglia. <i>Cellular and Molecular Life Sciences</i> , 2023, 80, .	2.4	13

#	ARTICLE	IF	CITATIONS
9596	Expression of retrotransposons contributes to aging in <i>Drosophila</i> . <i>Genetics</i> , 2023, 224, .	1.2	3
9597	Polybrominated diphenyl ethers isolated from the marine sponge <i>Lendenfeldia chondrodes</i> collected in Mayotte. <i>Natural Product Research</i> , 0, , 1-10.	1.0	0
9599	Aging, aerobic exercise, and cardiovascular health: Barriers, alternative strategies and future directions. <i>Experimental Gerontology</i> , 2023, 173, 112105.	1.2	8
9607	Resilience, aging, and response to radiation exposure (RARRE) in nonhuman primates: a resource review. <i>GeroScience</i> , 2023, 45, 3371-3379.	2.1	2
9609	Hallmarks of cardiovascular ageing. <i>Nature Reviews Cardiology</i> , 2023, 20, 754-777.	6.1	28
9638	Ageing, Metabolic Dysfunction, and the Therapeutic Role of Antioxidants. <i>Sub-Cellular Biochemistry</i> , 2023, , 341-435.	1.0	2
9639	Chronic Kidney Disease and the Exposome of Ageing. <i>Sub-Cellular Biochemistry</i> , 2023, , 79-94.	1.0	1
9641	Heart Disease and Ageing: The Roles of Senescence, Mitochondria, and Telomerase in Cardiovascular Disease. <i>Sub-Cellular Biochemistry</i> , 2023, , 45-78.	1.0	6
9662	Neuroprotective Activities of Cinnamic Acids and their Derivatives. <i>Frontiers in Clinical Drug Research CNS and Neurological Disorders</i> , 2023, , 238-261.	0.1	0
9665	Predicting Brain Age Using Transferable Covariance Neural Networks. , 2023, , .		0
9679	Cultivation, Bioactive Metabolites, and Application of Caterpillar Mushroom <i>Cordyceps militaris</i> : Current State, Issues, and Perspectives. , 2023, , 187-210.		0
9688	Dynamics of redox signaling in aging via autophagy, inflammation, and senescence. <i>Biogerontology</i> , 2023, 24, 663-678.	2.0	3
9699	Editorial: The regulation of proteostasis in aging. <i>Frontiers in Cell and Developmental Biology</i> , 0, 11, .	1.8	0
9709	Mitochondria as epigenetic regulators of reproductive aging. , 2023, , 251-260.		0
9718	Getting the chronological age out of DNA: using insights of age-dependent DNA methylation for forensic DNA applications. <i>Genes and Genomics</i> , 2023, 45, 1239-1261.	0.5	4
9721	Targeting NAD Metabolism for the Therapy of Age-Related Neurodegenerative Diseases. <i>Neuroscience Bulletin</i> , 2024, 40, 218-240.	1.5	0
9736	Neural cell state shifts and fate loss in ageing and age-related diseases. <i>Nature Reviews Neurology</i> , 2023, 19, 434-443.	4.9	5
9741	NAD+ Precursors Nicotinamide Mononucleotide (NMN) and Nicotinamide Riboside (NR): Potential Dietary Contribution to Health. <i>Current Nutrition Reports</i> , 2023, 12, 445-464.	2.1	8

#	ARTICLE	IF	CITATIONS
9759	Interferon-Gamma Increases the Immune Modulation of Umbilical Cord-Derived Mesenchymal Stem Cells but Decreases Their Chondrogenic Potential. <i>Advances in Experimental Medicine and Biology</i> , 2023, , .	0.8	0
9765	<i>Medical Laboratory Technology</i> . , 2023, , 95-121.		0
9810	Going beyond established model systems of Alzheimerâ€™s disease: companion animals provide novel insights into the neurobiology of aging. <i>Communications Biology</i> , 2023, 6, .	2.0	3
9812	The other side of the coin: mesenchymal stromal cell immortalization beyond evasion of senescence. <i>Human Cell</i> , 2023, 36, 1593-1603.	1.2	1
9817	Nox4: From Discovery to Pathophysiology. , 2023, , 179-214.		1
9821	<i>Musculoskeletal and immunological considerations</i> . , 2023, , 363-381.		0
9842	Cellular senescence and neurodegeneration. <i>Human Genetics</i> , 2023, 142, 1247-1262.	1.8	4
9846	<i>Palliative radiotherapy in the older adult</i> . , 2024, , 275-288.		0
9881	Targeting mitochondrial dysfunction to salvage cellular senescence for managing neurodegeneration. <i>Advances in Protein Chemistry and Structural Biology</i> , 2023, , 309-337.	1.0	2
9885	Biologia Futura: does the aging process contribute to the relativity of time?. <i>Biologia Futura</i> , 2023, 74, 137-143.	0.6	1
9901	Chronic kidney disease promotes ageing in a multiorgan disease network. <i>Nature Reviews Nephrology</i> , 0, , .	4.1	0
9912	Acarbose suppresses symptoms of mitochondrial disease in a mouse model of Leigh syndrome. <i>Nature Metabolism</i> , 2023, 5, 955-967.	5.1	4
9926	The Skeleton as a Secretary Organ. <i>Calcified Tissue International</i> , 2023, 113, 1-3.	1.5	0
9929	Fatigue in Alzheimerâ€™s disease: biological basis and clinical managementâ€™a narrative review. <i>Aging Clinical and Experimental Research</i> , 2023, 35, 1981-1989.	1.4	2
9946	<i>Preventive Role of Nutraceutical Agents Against Aging</i> . , 2023, , 345-371.		0
9947	<i>Anti-oxidant and Anti-ageing Mechanism of Bioactive Compounds in Modulating the Ageing-Related Epigenetic Factors</i> . , 2023, , 19-36.		0
9954	Biomolecular Markers of Brain Aging. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 111-126.	0.8	0
9955	Artificial Intelligence Approaches for Skin Anti-aging and Skin Resilience Research. <i>Healthy Ageing and Longevity</i> , 2023, , 189-214.	0.2	0

#	ARTICLE	IF	CITATIONS
9956	Leveraging Algorithmic and Human Networks to Cure Human Aging: Holistic Understanding of Longevity via Generative Cooperative Networks, Hybrid Bayesian/Neural/Logical AI and Tokenomics-Mediated Crowdsourcing. <i>Healthy Ageing and Longevity</i> , 2023, , 287-316.	0.2	0
9958	The rosetta stone of successful ageing: does oral health have a role?. <i>Biogerontology</i> , 2023, 24, 867-888.	2.0	1
9960	The Child Maltreatment T32 Training Program at Penn State: Innovation for Creating the Next Generation of Scholars in Child Maltreatment Science. <i>Child Maltreatment Solutions Network</i> , 2023, , 257-283.	0.4	0
9976	Network pharmacology, molecular docking, and molecular dynamics simulation to elucidate the mechanism of anti-aging action of <i>Tinospora cordifolia</i> . <i>Molecular Diversity</i> , 0, , .	2.1	4
9979	Mouse Choroid Proteome Revisited: Focus on Aging. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 359-363.	0.8	0
9995	Identity, structure, and function of the mitochondrial permeability transition pore: controversies, consensus, recent advances, and future directions. <i>Cell Death and Differentiation</i> , 2023, 30, 1869-1885.	5.0	31
9997	Spermatogonial Dedifferentiation into Germline Stem Cells in <i>Drosophila</i> Testes. <i>Methods in Molecular Biology</i> , 2023, , 139-149.	0.4	0
10025	Applications of Nanotechnology in Alzheimer's Disease. , 2023, , 31-75.		0
10026	Cancer and Older Adults: The Introduction. , 2023, , 1-18.		0
10027	Anti-Aging Activity of Natural Products. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2023, , 104-130.	0.1	0
10028	Role of Buccal Cells in Neurodegeneration. , 2023, , 245-260.		0
10035	Engineered adult stem cells: Current clinical trials status of disease treatment. <i>Progress in Molecular Biology and Translational Science</i> , 2023, , .	0.9	0
10047	Role of sestrins in metabolic and aging-related diseases. <i>Biogerontology</i> , 0, , .	2.0	0
10048	Aging, oxidative stress and degenerative diseases: mechanisms, complications and emerging therapeutic strategies. <i>Biogerontology</i> , 2023, 24, 609-662.	2.0	11
10066	Pulmonary Disease. , 2023, , 1-26.		0
10073	Regulation of NRF2 signaling pathway and the hallmarks of aging: An overview. , 2023, , 29-41.		1
10074	Antioxidants as modulators of the ubiquitin-proteasome system against aging and proteinopathies. , 2023, , 1-16.		0
10079	Overview of Ovarian Aging: Why Do We Need to Discuss. , 2023, , 3-6.		0

#	ARTICLE	IF	CITATIONS
10083	The role of <i>Caenorhabditis elegans</i> in the discovery of natural products for healthy aging. <i>Natural Product Reports</i> , 0, , .	5.2	1
10092	A revisiting of the hallmarks of aging in domestic dogs: current status of the literature. <i>GeroScience</i> , 2024, 46, 241-255.	2.1	0
10093	Challenges in developing Geroscience trials. <i>Nature Communications</i> , 2023, 14, .	5.8	8
10101	SGLT2 Inhibitors in Aging-Related Cardiovascular Disease: A Review of Potential Mechanisms. <i>American Journal of Cardiovascular Drugs</i> , 0, , .	1.0	2
10123	MicroRNAs-associated with FOXO3 in cellular senescence and other stress responses. <i>Biogerontology</i> , 0, , .	2.0	0
10156	Methylation across the central dogma in health and diseases: new therapeutic strategies. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	7
10159	Exposome and unhealthy aging: environmental drivers from air pollution to occupational exposures. <i>GeroScience</i> , 2023, 45, 3381-3408.	2.1	4
10162	Potential role of mesenchymal stem cells in T cell aging. <i>Journal of Molecular Medicine</i> , 2023, 101, 1365-1378.	1.7	0
10164	Mitochondrial dynamics in health and disease: mechanisms and potential targets. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	25
10180	Bio-Technologies to Understand Aging, Frailty, and Resilience. <i>Practical Issues in Geriatrics</i> , 2023, , 205-214.	0.3	0
10198	Interface between Resolvins and Efferocytosis in Health and Disease. <i>Cell Biochemistry and Biophysics</i> , 2024, 82, 53-65.	0.9	0
10212	Cellular senescence and frailty: a comprehensive insight into the causal links. <i>GeroScience</i> , 0, , .	2.1	1
10250	Artificial Intelligence for Personalized Care, Wellness, and Longevity Research. <i>Studies in Computational Intelligence</i> , 2023, , 1-9.	0.7	1
10278	Hematologic Malignancies. , 2023, , 1-14.		0
10309	Hematologic Disorders. , 2023, , 1-31.		0
10310	The Role of Liquid-Liquid Phase Separation in the Structure and Function of Nucleolus. , 2023, , 191-206.		1
10312	Interaktionen Inaktivität, Krankheitsentwicklungen und Alterungsprozess. , 2023, , 55-74.		0
10314	Muskulatur: ein peripheres mechanisch- und signalstoff-gestütztes Zentrum der Gesundheit. , 2023, , 225-319.		0

#	ARTICLE	IF	CITATIONS
10320	Lipocalin-2: a therapeutic target to overcome neurodegenerative diseases by regulating reactive astrogliosis. <i>Experimental and Molecular Medicine</i> , 0, , .	3.2	2
10377	Epigenetic programming of human disease and aging. , 2024, , 1219-1245.		0
10401	Chromosome instability and aneuploidy in the mammalian brain. <i>Chromosome Research</i> , 2023, 31, .	1.0	1
10403	FOXO family isoforms. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	0
10413	T-cell lymphocytesâ€™ aging clock: telomeres, telomerase and aging. <i>Biogerontology</i> , 0, , .	2.0	1
10419	DNA methylation controls hematopoietic stem cell aging. <i>Nature Aging</i> , 2023, 3, 1320-1322.	5.3	0
10421	Inflammation as common link to progressive neurological diseases. <i>Archives of Toxicology</i> , 0, , .	1.9	1
10424	To promote healthy aging, focus on the environment. <i>Nature Aging</i> , 2023, 3, 1334-1344.	5.3	1
10429	Comparative analysis of animal lifespan. <i>GeroScience</i> , 0, , .	2.1	0
10435	A genetically encoded ratiometric indicator for tryptophan. <i>Cell Discovery</i> , 2023, 9, .	3.1	3
10441	How is Big Data reshaping preclinical aging research?. <i>Lab Animal</i> , 2023, 52, 289-314.	0.2	0
10443	The ageing thyroid: implications for longevity and patient care. <i>Nature Reviews Endocrinology</i> , 2024, 20, 5-15.	4.3	3
10454	Oxysterols as Biomarkers of Aging and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2024, , 307-336.	0.8	0
10459	Cerebrovascular Function in Aging. <i>Masterclass in Neuroendocrinology</i> , 2023, , 137-171.	0.1	1
10473	Inhibitors of Oxytosis/Ferroptosis: A New Class of Therapeutics for Alzheimerâ€™s Disease. , 2023, , 461-490.		0
10476	Microgravity Effects and Aging Physiology: Similar Changes or Common Mechanisms?. <i>Biochemistry (Moscow)</i> , 2023, 88, 1763-1777.	0.7	0
10480	Editorial: Insights in cardiovascular biologics and regenerative medicine: 2022. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	1.1	0
10510	Chromosome ends and the theory of marginotomy: implications for reproduction. <i>Biogerontology</i> , 0, , .	2.0	2

#	ARTICLE	IF	CITATIONS
10513	Organophosphate-Induced Pathology: Mechanisms of Development, Principles of Therapy and Features of Experimental Studies. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2023, 59, 1756-1796.	0.2	0
10609	Application potential of senolytics in clinical treatment. <i>Biogerontology</i> , 0, , .	2.0	0
10615	Mechanisms, pathways and strategies for rejuvenation through epigenetic reprogramming. <i>Nature Aging</i> , 0, , .	5.3	1
10636	Changes in Life Span as an Integral Response to the Immune Status of the Organism and the Activity of Mobile Elements. <i>Russian Journal of Genetics</i> , 2023, 59, 1119-1125.	0.2	0
10679	TXNRD1 drives the innate immune response in senescent cells with implications for age-associated inflammation. <i>Nature Aging</i> , 2024, 4, 185-197.	5.3	0
10684	Neurotoxicity induced by glycotoxins. , 2024, , 1021-1058.		0
10690	The Science of Living Longer. , 2024, , 69-81.		0
10698	Pathological phenotypes of astrocytes in Alzheimer's disease. <i>Experimental and Molecular Medicine</i> , 2024, 56, 95-99.	3.2	0
10729	Aging, Causes, and Rejuvenation of Hematopoietic Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 201-210.	0.8	0
10730	Steroid hormone receptors in aging and neurodegenerative diseases. , 2024, , 55-77.		0
10732	The Microbiome and Aging. , 2024, , 77-93.		0
10734	Aging's "the most important collagen neoepitope?". , 2024, , 337-349.		0
10741	Cancérologie de la personne Âge. , 2023, , 617-623.		0
10766	Cellular senescence and aging at the crossroad between immunity and cancer. <i>Methods in Cell Biology</i> , 2024, , xvii-xxiv.	0.5	0
10788	Cellular senescence of renal tubular epithelial cells in acute kidney injury. <i>Cell Death Discovery</i> , 2024, 10, .	2.0	1
10816	Unraveling the Power of Extracellular Matrix to Rescue the Effect of Aging. , 2024, , .		0
10824	Gut Microbes: The Gut Brain Connection. , 2023, , 33-59.		0
10829	The Role of the Smallest Molecule Hydrogen Overcoming Ageing-Related Disease. , 2024, , 231-242.		0

#	ARTICLE	IF	CITATIONS
10832	Pulmonary Disease. , 2024, , 571-596.		0
10835	Hematologic Disorders. , 2024, , 511-541.		0
10837	Hematologic Malignancies. , 2024, , 919-932.		0
10842	Cancer and Older Adults: The Introduction. , 2024, , 783-799.		0
10853	Microbiotaâ€“brain interactions in aging and neurodegeneration. , 2024, , 175-193.		0
10860	Research on Brain Age Prediction Based on Dual-Pathway 3D ResNet. Lecture Notes in Electrical Engineering, 2024, , 565-572.	0.3	0
10867	The Gut Microbiota and NDC: What Is the Interplay. , 2024, , 1-34.		0
10892	Response to: The information theory of aging has not been tested. Cell, 2024, 187, 1103-1105.	13.5	0
10909	Zelltod und replikative Seneszenz bei Krebs. , 2024, , 179-204.		0
10929	Age-related disease: Kidneys. , 2024, , 91-117.		0
10932	Age-related disease: Skin. , 2024, , 147-164.		0
10933	Age-related disease: Cancer, telomerase, and cell aging. , 2024, , 205-217.		0
10935	Age-related disease: Lungs. , 2024, , 165-174.		0
10938	Age-related disease: Effective intervention. , 2024, , 219-232.		0
10939	Age-related disease: Diabetes. , 2024, , 175-193.		0
10979	Extracellular Vesicles as the Dynamic Structural and Functional Network in Aging-Related Diseases and Cancer Treatment. , 2024, , .		0