

Thomas von Zglinicki

List of Publications by Year in descending order

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160
papers

26,751
citations

8755

75
h-index

6836

155
g-index

162
all docs

162
docs citations

162
times ranked

25410
citing authors

#	ARTICLE	IF	CITATIONS
1	A DNA damage checkpoint response in telomere-initiated senescence. <i>Nature</i> , 2003, 426, 194-198.	27.8	2,381
2	Oxidative stress shortens telomeres. <i>Trends in Biochemical Sciences</i> , 2002, 27, 339-344.	7.5	2,129
3	Cellular Senescence: Defining a Path Forward. <i>Cell</i> , 2019, 179, 813-827.	28.9	1,551
4	Fat tissue, aging, and cellular senescence. <i>Aging Cell</i> , 2010, 9, 667-684.	6.7	834
5	Mild Hyperoxia Shortens Telomeres and Inhibits Proliferation of Fibroblasts: A Model for Senescence?. <i>Experimental Cell Research</i> , 1995, 220, 186-193.	2.6	781
6	Feedback between p21 and reactive oxygen production is necessary for cell senescence. <i>Molecular Systems Biology</i> , 2010, 6, 347.	7.2	754
7	Cellular senescence drives age-dependent hepatic steatosis. <i>Nature Communications</i> , 2017, 8, 15691.	12.8	673
8	Mitochondrial Dysfunction Accounts for the Stochastic Heterogeneity in Telomere-Dependent Senescence. <i>PLoS Biology</i> , 2007, 5, e110.	5.6	612
9	Chronic inflammation induces telomere dysfunction and accelerates ageing in mice. <i>Nature Communications</i> , 2014, 5, 4172.	12.8	596
10	DNA damage response and cellular senescence in tissues of aging mice. <i>Aging Cell</i> , 2009, 8, 311-323.	6.7	566
11	A senescent cell bystander effect: senescence-induced senescence. <i>Aging Cell</i> , 2012, 11, 345-349.	6.7	538
12	Mitochondria are required for pro-ageing features of the senescent phenotype. <i>EMBO Journal</i> , 2016, 35, 724-742.	7.8	527
13	Accumulation of single-strand breaks is the major cause of telomere shortening in human fibroblasts. <i>Free Radical Biology and Medicine</i> , 2000, 28, 64-74.	2.9	479
14	Postmitotic neurons develop a p21-dependent senescence-like phenotype driven by a DNA damage response. <i>Aging Cell</i> , 2012, 11, 996-1004.	6.7	434
15	Cdkn1a deletion improves stem cell function and lifespan of mice with dysfunctional telomeres without accelerating cancer formation. <i>Nature Genetics</i> , 2007, 39, 99-105.	21.4	399
16	Telomerase does not counteract telomere shortening but protects mitochondrial function under oxidative stress. <i>Journal of Cell Science</i> , 2008, 121, 1046-1053.	2.0	399
17	Targeting senescent cells alleviates obesity-induced metabolic dysfunction. <i>Aging Cell</i> , 2019, 18, e12950.	6.7	395
18	Gender and telomere length: Systematic review and meta-analysis. <i>Experimental Gerontology</i> , 2014, 51, 15-27.	2.8	394

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19	Preferential Accumulation of Single-Stranded Regions in Telomeres of Human Fibroblasts. <i>Experimental Cell Research</i> , 1998, 239, 152-160.	2.6	380
20	Role of Oxidative Stress in Telomere Length Regulation and Replicative Senescence. <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 99-110.	3.8	369
21	Frailty and the role of inflammation, immunosenescence and cellular ageing in the very old: Cross-sectional findings from the Newcastle 85+ Study. <i>Mechanisms of Ageing and Development</i> , 2012, 133, 456-466.	4.6	347
22	Obesity-Induced Cellular Senescence Drives Anxiety and Impairs Neurogenesis. <i>Cell Metabolism</i> , 2019, 29, 1061-1077.e8.	16.2	293
23	Telomere length in white blood cells is not associated with morbidity or mortality in the oldest old: a population-based study. <i>Aging Cell</i> , 2005, 4, 287-290.	6.7	291
24	Short Telomeres in Patients with Vascular Dementia: An Indicator of Low Antioxidative Capacity and a Possible Risk Factor?. <i>Laboratory Investigation</i> , 2000, 80, 1739-1747.	3.7	290
25	DNA damage in telomeres and mitochondria during cellular senescence: is there a connection?. <i>Nucleic Acids Research</i> , 2007, 35, 7505-7513.	14.5	285
26	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , 2000, 14, 1490-1498.	0.5	269
27	A continuous correlation between oxidative stress and telomere shortening in fibroblasts. <i>Experimental Gerontology</i> , 2007, 42, 1039-1042.	2.8	269
28	Mitochondria in Cell Senescence: Is Mitophagy the Weakest Link?. <i>EBioMedicine</i> , 2017, 21, 7-13.	6.1	260
29	Stress Defense in Murine Embryonic Stem Cells Is Superior to That of Various Differentiated Murine Cells. <i>Stem Cells</i> , 2004, 22, 962-971.	3.2	253
30	Inflammation, But Not Telomere Length, Predicts Successful Ageing at Extreme Old Age: A Longitudinal Study of Semi-supercentenarians. <i>EBioMedicine</i> , 2015, 2, 1549-1558.	6.1	243
31	Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. <i>FASEB Journal</i> , 2000, 14, 1490-1498.	0.5	242
32	Downregulation of Multiple Stress Defense Mechanisms During Differentiation of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2008, 26, 455-464.	3.2	240
33	Telomere length predicts poststroke mortality, dementia, and cognitive decline. <i>Annals of Neurology</i> , 2006, 60, 174-180.	5.3	235
34	Replicative Aging, Telomeres, and Oxidative Stress. <i>Annals of the New York Academy of Sciences</i> , 2002, 959, 24-29.	3.8	231
35	Extracellular Superoxide Dismutase Is a Major Antioxidant in Human Fibroblasts and Slows Telomere Shortening. <i>Journal of Biological Chemistry</i> , 2003, 278, 6824-6830.	3.4	229
36	Quantitative assessment of markers for cell senescence. <i>Experimental Gerontology</i> , 2010, 45, 772-778.	2.8	208

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37	Fat Depot-Specific Characteristics Are Retained in Strains Derived From Single Human Preadipocytes. <i>Diabetes</i> , 2006, 55, 2571-2578.	0.6	207
38	Protein oxidation and degradation during cellular senescence of human BJ fibroblasts: part I effects of proliferative senescence. <i>FASEB Journal</i> , 2000, 14, 2495-2502.	0.5	202
39	Mitochondrial dysfunction in cell senescence and aging. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	201
40	MitoQ counteracts telomere shortening and elongates lifespan of fibroblasts under mild oxidative stress. <i>Aging Cell</i> , 2003, 2, 141-143.	6.7	192
41	Whole-body senescent cell clearance alleviates age-related brain inflammation and cognitive impairment in mice. <i>Aging Cell</i> , 2021, 20, e13296.	6.7	186
42	Stress, DNA damage and ageing - an integrative approach. <i>Experimental Gerontology</i> , 2001, 36, 1049-1062.	2.8	182
43	Telomere shortening triggers a p53-dependent cell cycle arrest via accumulation of G-rich single stranded DNA fragments. <i>Oncogene</i> , 1999, 18, 5148-5158.	5.9	168
44	Low abundance of the matrix arm of complex I in mitochondria predicts longevity in mice. <i>Nature Communications</i> , 2014, 5, 3837.	12.8	164
45	The senescent bystander effect is caused by ROS-activated NF- κ B signalling. <i>Mechanisms of Ageing and Development</i> , 2018, 170, 30-36.	4.6	162
46	The bystander effect contributes to the accumulation of senescent cells in vivo. <i>Aging Cell</i> , 2019, 18, e12848.	6.7	161
47	Protein oxidation and degradation during proliferative senescence of human MRC-5 fibroblasts. <i>Free Radical Biology and Medicine</i> , 2000, 28, 701-708.	2.9	147
48	Senolytics and senostatics as adjuvant tumour therapy. <i>EBioMedicine</i> , 2019, 41, 683-692.	6.1	136
49	Reproducibility of telomere length assessment: an international collaborative study. <i>International Journal of Epidemiology</i> , 2015, 44, 1673-1683.	1.9	133
50	Mitochondria, telomeres and cell senescence. <i>Experimental Gerontology</i> , 2005, 40, 466-472.	2.8	125
51	Stochastic Variation in Telomere Shortening Rate Causes Heterogeneity of Human Fibroblast Replicative Life Span. <i>Journal of Biological Chemistry</i> , 2004, 279, 17826-17833.	3.4	124
52	Telomere Shortening Reduces Regenerative Capacity after Acute Kidney Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 327-336.	6.1	121
53	Dynamic Modelling of Pathways to Cellular Senescence Reveals Strategies for Targeted Interventions. <i>PLoS Computational Biology</i> , 2014, 10, e1003728.	3.2	121
54	SQSTM1/p62 mediates crosstalk between autophagy and the UPS in DNA repair. <i>Autophagy</i> , 2016, 12, 1917-1930.	9.1	120

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55	An Important Role for CDK2 in G1 to S Checkpoint Activation and DNA Damage Response in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2011, 29, 651-659.	3.2	119
56	Nucleoplasmic LAP2±â€“lamin A complexes are required to maintain a proliferative state in human fibroblasts. <i>Journal of Cell Biology</i> , 2007, 176, 163-172.	5.2	117
57	Senescence in Post-Mitotic Cells: A Driver of Aging?. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 308-323.	5.4	117
58	Architectural changes in the thymus of aging mice. <i>Aging Cell</i> , 2008, 7, 158-167.	6.7	116
59	Adult-onset, short-term dietary restriction reduces cell senescence in mice. <i>Aging</i> , 2010, 2, 555-566.	3.1	116
60	Mitochondrial dysfunction in osteoarthritis is associated with downâ€“regulation of superoxide dismutase 2. <i>Arthritis and Rheumatism</i> , 2013, 65, 378-387.	6.7	113
61	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.	5.2	106
62	DNA damage foci in mitosis are devoid of 53BP1. <i>Cell Cycle</i> , 2009, 8, 3379-3383.	2.6	105
63	Assessment of a large panel of candidate biomarkers of ageing in the Newcastle 85+ study. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 496-502.	4.6	104
64	<scp>CMV</scp> seropositivity and Tâ€“cell senescence predict increased cardiovascular mortality in octogenarians: results from the Newcastle 85+ study. <i>Aging Cell</i> , 2016, 15, 389-392.	6.7	103
65	Oxygen free radicals in cell senescence: Are they signal transducers?. <i>Free Radical Research</i> , 2006, 40, 1277-1283.	3.3	102
66	Ribozyme-mediated telomerase inhibition induces immediate cell loss but not telomere shortening in ovarian cancer cells. <i>Cancer Gene Therapy</i> , 2001, 8, 827-834.	4.6	101
67	Neutrophils induce paracrine telomere dysfunction and senescence in ROSâ€“dependent manner. <i>EMBO Journal</i> , 2021, 40, e106048.	7.8	101
68	Mitochondrial turnover in liver is fast <i>inÂ“vivo</i> and is accelerated by dietary restriction: application of a simple dynamic model. <i>Aging Cell</i> , 2008, 7, 920-923.	6.7	100
69	Relocalized redox-active lysosomal iron is an important mediator of oxidative-stress-induced DNA damage. <i>Biochemical Journal</i> , 2004, 378, 1039-1045.	3.7	97
70	Bioengineering the microanatomy of human skin. <i>Journal of Anatomy</i> , 2019, 234, 438-455.	1.5	91
71	The DNA Damage Response in Neurons: Die by Apoptosis or Survive in a Senescence-Like State?. <i>Journal of Alzheimer's Disease</i> , 2017, 60, S107-S131.	2.6	89
72	Telomere Length As a Marker of Oxidative Stress in Primary Human Fibroblast Cultures. <i>Annals of the New York Academy of Sciences</i> , 2000, 908, 327-330.	3.8	87

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73	Carboxylesterase converts Amplex red to resorufin: Implications for mitochondrial H ₂ O ₂ release assays. <i>Free Radical Biology and Medicine</i> , 2016, 90, 173-183.	2.9	83
74	No association between socio-economic status and white blood cell telomere length. <i>Aging Cell</i> , 2007, 6, 125-128.	6.7	79
75	Conserved cysteine residues in the mammalian lamin A tail are essential for cellular responses to ROS generation. <i>Aging Cell</i> , 2011, 10, 1067-1079.	6.7	79
76	Telomere length is associated with left ventricular function in the oldest old: the Newcastle 85+ study. <i>European Heart Journal</i> , 2006, 28, 172-176.	2.2	77
77	Telomeres and replicative senescence: is it only length that counts?. <i>Cancer Letters</i> , 2001, 168, 111-116.	7.2	73
78	BJ fibroblasts display high antioxidant capacity and slow telomere shortening independent of hTERT transfection. <i>Free Radical Biology and Medicine</i> , 2001, 31, 824-831.	2.9	69
79	Decreased mTOR signalling reduces mitochondrial ROS in brain via accumulation of the telomerase protein TERT within mitochondria. <i>Aging</i> , 2016, 8, 2551-2567.	3.1	66
80	Telomere length and aging biomarkers in 70-year-olds: the Lothian Birth Cohort 1936. <i>Neurobiology of Aging</i> , 2012, 33, 1486.e3-1486.e8.	3.1	64
81	Replicative senescence and the art of counting. <i>Experimental Gerontology</i> , 2003, 38, 1259-1264.	2.8	62
82	Science fact and the SENS agenda. <i>EMBO Reports</i> , 2005, 6, 1006-1008.	4.5	61
83	Mitochondria and ageing: winning and losing in the numbers game. <i>BioEssays</i> , 2007, 29, 908-917.	2.5	58
84	Immortalisation of human ovarian surface epithelium with telomerase and temperature-sensitive SV40 large T antigen. <i>Experimental Cell Research</i> , 2003, 288, 390-402.	2.6	57
85	Sustained telomere length in hepatocytes and cholangiocytes with increasing age in normal liver. <i>Hepatology</i> , 2012, 56, 1510-1520.	7.3	56
86	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.	2.2	55
87	Inflammation, Telomere Length, and Grip Strength: A 10-year Longitudinal Study. <i>Calcified Tissue International</i> , 2014, 95, 54-63.	3.1	52
88	Accelerated telomere shortening in Fanconi anemia fibroblasts - a longitudinal study. <i>FEBS Letters</i> , 2001, 506, 22-26.	2.8	51
89	A Stochastic Step Model of Replicative Senescence Explains ROS Production Rate in Ageing Cell Populations. <i>PLoS ONE</i> , 2012, 7, e32117.	2.5	50
90	Male mice retain a metabolic memory of improved glucose tolerance induced during adult onset, short-term dietary restriction. <i>Longevity & Healthspan</i> , 2012, 1, 3.	6.7	49

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91	TRF2 overexpression diminishes repair of telomeric single-strand breaks and accelerates telomere shortening in human fibroblasts. <i>Mechanisms of Ageing and Development</i> , 2007, 128, 340-345.	4.6	48
92	Premature senescence of mesothelial cells is associated with non-telomeric DNA damage. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 707-711.	2.1	46
93	Inflammation and Not Cardiovascular Risk Factors Is Associated With Short Leukocyte Telomere Length in 13- to 16-Year-Old Adolescents. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2029-2034.	2.4	45
94	Association of mitochondrial haplogroup J and mtDNA oxidative damage in two different North Spain elderly populations. <i>Biogerontology</i> , 2009, 10, 435-442.	3.9	42
95	Assessment of sleep and circadian rhythm disorders in the very old: the Newcastle 85+ Cohort Study. <i>Age and Ageing</i> , 2014, 43, 57-63.	1.6	42
96	Atorvastatin induces T cell proliferation by a telomerase reverse transcriptase (TERT) mediated mechanism. <i>Atherosclerosis</i> , 2014, 236, 312-320.	0.8	42
97	Mitochondrial dysfunction is a possible cause of accelerated senescence of mesothelial cells exposed to high glucose. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 793-799.	2.1	41
98	Fast cryofixation technique for X-ray microanalysis. <i>Journal of Microscopy</i> , 1986, 141, 79-90.	1.8	40
99	Cellular senescence: unravelling complexity. <i>Age</i> , 2009, 31, 353-363.	3.0	40
100	Measuring DNA repair incision activity of mouse tissue extracts towards singlet oxygen-induced DNA damage: a comet-based in vitro repair assay. <i>Mutagenesis</i> , 2011, 26, 461-471.	2.6	39
101	Frailty in mouse ageing: A conceptual approach. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 34-40.	4.6	39
102	Anti-inflammatory treatment rescues memory deficits during aging in $\text{nf}\kappa\text{b1}^{\Delta/\Delta}$ mice. <i>Aging Cell</i> , 2020, 19, e13188.	6.7	38
103	Telomeres: Influencing the Rate of Aging. <i>Annals of the New York Academy of Sciences</i> , 1998, 854, 318-327.	3.8	37
104	hTERT gene dosage correlates with telomerase activity in human lung cancer cell lines. <i>Cancer Letters</i> , 2002, 176, 81-91.	7.2	37
105	Longitudinal telomere length shortening and cognitive and physical decline in later life: The Lothian Birth Cohorts 1936 and 1921. <i>Mechanisms of Ageing and Development</i> , 2016, 154, 43-48.	4.6	37
106	Telomere shortening in human fibroblasts is not dependent on the size of the telomeric-3'-overhang. <i>Aging Cell</i> , 2004, 3, 103-109.	6.7	36
107	Telomere Shortening and Haemodialysis. <i>Blood Purification</i> , 2006, 24, 185-189.	1.8	35
108	Telomere Length and Physical Performance at Older Ages: An Individual Participant Meta-Analysis. <i>PLoS ONE</i> , 2013, 8, e69526.	2.5	35

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109	Senescence and Inflammatory Markers for Predicting Clinical Progression in Parkinson's Disease: The ICICLE-PD Study. <i>Journal of Parkinson's Disease</i> , 2020, 10, 193-206.	2.8	34
110	Myocardial Ischemia and Reperfusion Leads to Transient CD8 Immune Deficiency and Accelerated Immunosenescence in CMV-Seropositive Patients. <i>Circulation Research</i> , 2015, 116, 87-98.	4.5	33
111	Smoking does not accelerate leucocyte telomere attrition: a meta-analysis of 18 longitudinal cohorts. <i>Royal Society Open Science</i> , 2019, 6, 190420.	2.4	33
112	Surprisingly long survival of premature conclusions about naked mole-rat biology. <i>Biological Reviews</i> , 2021, 96, 376-393.	10.4	33
113	How good is the evidence that cellular senescence causes skin ageing?. <i>Ageing Research Reviews</i> , 2021, 71, 101456.	10.9	29
114	The Ageing Brain: Effects on DNA Repair and DNA Methylation in Mice. <i>Genes</i> , 2017, 8, 75.	2.4	28
115	The intracellular distribution of ions and water in rat liver and heart muscle. <i>Journal of Microscopy</i> , 1987, 146, 77-85.	1.8	27
116	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice. <i>ELife</i> , 2022, 11, .	6.0	27
117	Acquisition of aberrant DNA methylation is associated with frailty in the very old: findings from the Newcastle 85+ Study. <i>Biogerontology</i> , 2014, 15, 317-328.	3.9	25
118	Human fibroblasts in vitro senesce with a donor-specific telomere length. <i>FEBS Letters</i> , 2002, 516, 71-74.	2.8	24
119	The Relationship between the Aging- and Photo-Dependent T414G Mitochondrial DNA Mutation with Cellular Senescence and Reactive Oxygen Species Production in Cultured Skin Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2009, 129, 1361-1366.	0.7	24
120	Grip strength and inflammatory biomarker profiles in very old adults. <i>Age and Ageing</i> , 2017, 46, 976-982.	1.6	24
121	Sublethal whole-body irradiation causes progressive premature frailty in mice. <i>Mechanisms of Ageing and Development</i> , 2019, 180, 63-69.	4.6	24
122	The mTORC1-autophagy pathway is a target for senescent cell elimination. <i>Biogerontology</i> , 2019, 20, 331-335.	3.9	24
123	A mitochondrial membrane hypothesis of aging. <i>Journal of Theoretical Biology</i> , 1987, 127, 127-132.	1.7	23
124	Lysosomal Redox-Active Iron Is Important for Oxidative Stress-Induced DNA Damage. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 285-288.	3.8	22
125	Biomarkers of healthy ageing: expectations and validation. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 422-429.	1.0	22
126	Mitochondrial dysfunction and cell senescence "skin deep" into mammalian aging. <i>Ageing</i> , 2012, 4, 74-75.	3.1	22

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127	Standardization and quality controls for the methylated DNA immunoprecipitation technique. <i>Epigenetics</i> , 2012, 7, 615-625.	2.7	19
128	Telomeres, cell senescence and human ageing. <i>Signal Transduction</i> , 2005, 5, 103-114.	0.4	17
129	Childhood Growth, IQ and Education as Predictors of White Blood Cell Telomere Length at Age 49-51 Years: The Newcastle Thousand Families Study. <i>PLoS ONE</i> , 2012, 7, e40116.	2.5	17
130	ssDNA fragments induce cell senescence by telomere uncapping. <i>Experimental Gerontology</i> , 2008, 43, 892-899.	2.8	16
131	Measuring Reactive Oxygen Species in Senescent Cells. <i>Methods in Molecular Biology</i> , 2013, 965, 253-263.	0.9	16
132	The Role of Telomeres in Etoposide Induced Tumour Cell Death. <i>Cell Cycle</i> , 2004, 3, 1167-1174.	2.6	15
133	Gross energy metabolism in mice under late onset, short term caloric restriction. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 202-209.	4.6	15
134	Estimation of organelle water fractions from frozen-dried cryosections. <i>Journal of Microscopy</i> , 1987, 146, 67-75.	1.8	14
135	Tumour-cell apoptosis after cisplatin treatment is not telomere dependent. <i>International Journal of Cancer</i> , 2006, 118, 2727-2734.	5.1	14
136	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. <i>Biogerontology</i> , 2015, 16, 423-434.	3.9	14
137	Telomere length and anaemia in old age: results from the Newcastle 85-plus Study* and the Leiden 85-plus Study. <i>Age and Ageing</i> , 2011, 40, 494-500.	1.6	13
138	X-ray microanalysis with continuous specimen cooling: is it necessary?. <i>Journal of Microscopy</i> , 1988, 151, 43-47.	1.8	12
139	Extended lifespan and long telomeres in rectal fibroblasts from late-onset ulcerative colitis patients. <i>European Journal of Gastroenterology and Hepatology</i> , 2006, 18, 133-141.	1.6	12
140	Intracellular water and ionic shifts during growth and ageing of rats. <i>Mechanisms of Ageing and Development</i> , 1987, 38, 179-187.	4.6	11
141	Reactive Oxygen Species Production and Mitochondrial Dysfunction in White Blood Cells Are Not Valid Biomarkers of Ageing in the Very Old. <i>PLoS ONE</i> , 2014, 9, e91005.	2.5	11
142	The measurement of water distribution in frozen specimens. <i>Journal of Microscopy</i> , 1991, 161, 149-158.	1.8	10
143	Tissue differences in BER-related incision activity and non-specific nuclease activity as measured by the comet assay. <i>Mutagenesis</i> , 2013, 28, 673-681.	2.6	10
144	Shared Ageing Research Models (ShARM): a new facility to support ageing research. <i>Biogerontology</i> , 2013, 14, 789-794.	3.9	8

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145	Reproducibility of telomere length assessment: Authors'™ Response to Damjan Krstajic and Ljubomir Buturovic. <i>International Journal of Epidemiology</i> , 2015, 44, 1739-1741.	1.9	8
146	Is Southern blotting necessary to measure telomere length reproducibly? Authors'™ Response to: Commentary: The reliability of telomere length measurements. <i>International Journal of Epidemiology</i> , 2015, 44, 1686-1687.	1.9	8
147	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.	4.6	7
148	Quantitative Röntgenmikroanalyse biologischer Ultradünnschnitte mit Aluminium-Kohle-Aufdampfschichten als Standards. <i>Acta Histochemica</i> , 1983, 72, 195-201.	1.8	6
149	Research on ageing in Germany. <i>Experimental Gerontology</i> , 2000, 35, 259-270.	2.8	5
150	Metabolic memory of dietary restriction ameliorates DNA damage and adipocyte size in mouse visceral adipose tissue. <i>Experimental Gerontology</i> , 2018, 113, 228-236.	2.8	5
151	Correction of radiolabel pulse-chase data by a mathematical model: application to mitochondrial turnover studies. <i>Biochemical Society Transactions</i> , 2010, 38, 1322-1328.	3.4	4
152	Accelerated Aging in Bone Marrow Transplant Survivors. <i>JAMA Oncology</i> , 2016, 2, 1267-1268.	7.1	4
153	A life course approach to biomarkers of ageing. , 2013, , 177-186.		2
154	Data from molecular dynamics simulations in support of the role of human CES1 in the hydrolysis of Amplex Red. <i>Data in Brief</i> , 2016, 6, 865-870.	1.0	2
155	Ensuring the Validity of Results in Biological X-Ray Microanalysis. <i>Springer Series in Biophysics</i> , 1989, , 47-58.	0.4	2
156	DNA Damage and Telomere Length in Human T Cells. <i>Rejuvenation Research</i> , 2000, 3, 383-388.	0.2	1
157	Telomeres, Senescence, Oxidative Stress, and Heterogeneity. , 2008, , 43-56.		1
158	Oxidative DNA Damage and Telomere Shortening. , 2007, , 100-108.		1
159	Similar Gene Expression Patterns in Senescent and Hyperoxically Blocked Fibroblasts. <i>Annals of the New York Academy of Sciences</i> , 1998, 854, 482-482.	3.8	0
160	Telomeric Damage in Aging. , 2003, , 121-129.		0