Matt Kaeberlein

List of Publications by Year
in descending order

237 papers	23,964 citations	16411 64 h-index	8599 146 g-index
304 all docs	304 docs citations	304 times ranked	19957 citing authors

#	Article	IF	Citations
1	Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543.	1.4	4
2	An open science study of ageing in companion dogs. Nature, 2022, 602, 51-57.	13.7	43
3	Mitochondrial Protonmotive Force Regulates Aging and Longevity in C. elegans. Free Radical Biology and Medicine, 2022, 180, s20.	1.3	0
4	Age and Physical Activity Levels in Companion Dogs: Results From the Dog Aging Project. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1986-1993.	1.7	10
5	Once-daily feeding is associated with better health in companion dogs: results from the Dog Aging Project. GeroScience, 2022, 44, 1779-1790.	2.1	6
6	Lifetime prevalence of malignant and benign tumours in companion dogs: Crossâ€sectional analysis of Dog Aging Project baseline survey. Veterinary and Comparative Oncology, 2022, 20, 797-804.	0.8	6
7	Evidence that conserved essential genes are enriched for pro-longevity factors. GeroScience, 2022, 44, 1995-2006.	2.1	5
8	Anti-ageing effects of protein restriction unpacked. Nature, 2021, 589, 357-358.	13.7	4
9	Cell-to-cell variation in gene expression and the aging process. GeroScience, 2021, 43, 181-196.	2.1	16
10	The potential of rapalogs to enhance resilience against SARS-CoV-2 infection and reduce the severity of COVID-19. The Lancet Healthy Longevity, 2021, 2, e105-e111.	2.0	34
11	Inactivating histone deacetylase HDA promotes longevity by mobilizing trehalose metabolism. Nature Communications, 2021, 12, 1981.	5.8	29
12	An energetics perspective on geroscience: mitochondrial protonmotive force and aging. GeroScience, 2021, 43, 1591-1604.	2.1	32
13	Reasons for Exclusion of Apparently Healthy Mature Adult and Senior Dogs From a Clinical Trial. Frontiers in Veterinary Science, 2021, 8, 651698.	0.9	1
14	The AGE Presents Introduction to Geroscience video lecture series. GeroScience, 2021, 43, 1697-1701.	2.1	0
15	University of Washington Nathan Shock Center: innovation to advance aging research. GeroScience, 2021, 43, 2161-2165.	2.1	1
16	Pterocarpus marsupium extract extends replicative lifespan in budding yeast. GeroScience, 2021, 43, 2595-2609.	2.1	6
17	Canine Cognitive Dysfunction (CCD) scores correlate with amyloid beta 42 levels in dog brain tissue. GeroScience, 2021, 43, 2379-2386.	2.1	21
18	Generation and characterization of a tractable C. elegans model of tauopathy. GeroScience, 2021, 43, 2621-2631.	2.1	1

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19	A prion accelerates proliferation at the expense of lifespan. ELife, 2021, 10, .	2.8	12
20	Evidence that C/EBP-Î² LAP Increases Fat Metabolism and Protects Against Diet-Induced Obesity in Response to mTOR Inhibition. Frontiers in Aging, 2021, 2, .	1.2	9
21	The NDUFS4 Knockout Mouse: A Dual Threat Model of Childhood Mitochondrial Disease and Normative Aging. Methods in Molecular Biology, 2021, 2277, 143-155.	0.4	7
22	A new era for research into aging. ELife, 2021, 10, .	2.8	1
23	Evolution of natural lifespan variation and molecular strategies of extended lifespan in yeast. ELife, 2021, 10, .	2.8	23
24	Antiaging diets: Separating fact from fiction. Science, 2021, 374, eabe7365.	6.0	75
25	Trajectories of Aging: How Systems Biology in Yeast Can Illuminate Mechanisms of Personalized Aging. Proteomics, 2020, 20, 1800420.	1.3	4
26	Geroscience in the Age of COVID-19. , 2020, 11, 725.		24
27	Life span extension by glucose restriction is abrogated by methionine supplementation: Cross-talk between glucose and methionine and implication of methionine as a key regulator of life span. Science Advances, 2020, 6, eaba1306.	4.7	49
28	PKC downregulation upon rapamycin treatment attenuates mitochondrial disease. Nature Metabolism, 2020, 2, 1472-1481.	5.1	26
29	Composition of Caenorhabditis elegans extracellular vesicles suggests roles in metabolism, immunity, and aging. GeroScience, 2020, 42, 1133-1145.	2.1	15
30	The antifungal plant defensin HsAFP1 induces autophagy, vacuolar dysfunction and cell cycle impairment in yeast. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183255.	1.4	16
31	Lifespan of companion dogs seen in three independent primary care veterinary clinics in the United States. Canine Medicine and Genetics, 2020, 7, 7.	1.4	30
32	RTB101 and immune function in the elderly: Interpreting an unsuccessful clinical trial. Translational Medicine of Aging, 2020, 4, 32-34.	0.6	6
33	Loss of vacuolar acidity results in iron-sulfur cluster defects and divergent homeostatic responses during aging in Saccharomyces cerevisiae. GeroScience, 2020, 42, 749-764.	2.1	24
34	Regional metabolic signatures in the Ndufs4(KO) mouse brain implicate defective glutamate/Î±-ketoglutarate metabolism in mitochondrial disease. Molecular Genetics and Metabolism, 2020, 130, 118-132.	0.5	33
35	Purification and Analysis of Caenorhabditis elegans Extracellular Vesicles. Journal of Visualized Experiments, 2020, , .	0.2	4
36	Translational control of one-carbon metabolism underpins ribosomal protein phenotypes in cell division and longevity. ELife, 2020, 9, .	2.8	24

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37	Rapamycin rejuvenates oral health in aging mice. ELife, 2020, 9, .	2.8	59
38	A physicochemical perspective of aging from single-cell analysis of pH, macromolecular and organellar crowding in yeast. ELife, 2020, 9, .	2.8	32
39	An inexpensive microscopy system for microfluidic studies in budding yeast. Translational Medicine of Aging, 2019, 3, 52-56.	0.6	8
40	DDS promotes longevity through a microbiome-mediated starvation signal. Translational Medicine of Aging, 2019, 3, 64-69.	0.6	5
41	Time for a New Strategy in the War on Alzheimerâ€™s Disease. The Public Policy and Aging Report, 2019, 29, 119-122.	0.8	9
42	Rb analog Whi5 regulates G1 to S transition and cell size but not replicative lifespan in budding yeast. Translational Medicine of Aging, 2019, 3, 104-108.	0.6	5
43	It is Time to Embrace 21st-Century Medicine. The Public Policy and Aging Report, 2019, 29, 111-115.	0.8	6
44	Cross species application of quantitative neuropathology assays developed for clinical Alzheimerâ€™s disease samples. Pathobiology of Aging & Age Related Diseases, 2019, 9, 1657768.	1.1	2
45	Rapamycin and Alzheimerâ€™s disease: Time for a clinical trial?. Science Translational Medicine, 2019, 11, .	5.8	121
46	Defining the impact of mutation accumulation on replicative lifespan in yeast using cancer-associated mutator phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3062-3071.	3.3	17
47	In vivo measurements reveal a single 5â€²-intron is sufficient to increase protein expression level in Caenorhabditis elegans. Scientific Reports, 2019, 9, 9192.	1.6	29
48	AGING AND MITOCHONDRIAL DISEASE: SHARED MECHANISMS AND THERAPIES?. Innovation in Aging, 2019, 3, S395-S395.	0.0	0
49	Latest advances in aging research and drug discovery. Aging, 2019, 11, 9971-9981.	1.4	13
50	Phenotypic and Genotypic Consequences of CRISPR/Cas9 Editing of the Replication Origins in the rDNA of <i>Saccharomyces cerevisiae</i>. Genetics, 2019, 213, 229-249.	1.2	9
51	WormBot, an open-source robotics platform for survival and behavior analysis in C. elegans. GeroScience, 2019, 41, 961-973.	2.1	36
52	Chaperone biomarkers of lifespan and penetrance track the dosages of many other proteins. Nature Communications, 2019, 10, 5725.	5.8	25
53	Desexing Dogs: A Review of the Current Literature. Animals, 2019, 9, 1086.	1.0	49
54	mTOR inhibitors may benefit kidney transplant recipients with mitochondrial diseases. Kidney International, 2019, 95, 455-466.	2.6	44

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55	Electrophysiological Measures of Aging Pharynx Function in C. elegans Reveal Enhanced Organ Functionality in Older, Long-lived Mutants. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1173-1179.	1.7	11
56	Age-dependent deterioration of nuclear pore assembly in mitotic cells decreases transport dynamics. ELife, 2019, 8, .	2.8	60
57	DNA damage checkpoint activation impairs chromatin homeostasis and promotes mitotic catastrophe during aging. ELife, 2019, 8, .	2.8	22
58	Oral health in geroscience: animal models and the aging oral cavity. GeroScience, 2018, 40, 1-10.	2.1	37
59	The paths of mortality: How understanding the biology of aging can help explain systems behavior of single cells. Current Opinion in Systems Biology, 2018, 8, 25-31.	1.3	18
60	Research to Promote Longevity and Health Span in Companion Dogs: A Pediatric Perspective. American Journal of Bioethics, 2018, 18, 64-65.	0.5	7
61	Genetic screen identifies adaptive aneuploidy as a key mediator of ER stress resistance in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9586-9591.	3.3	31
62	Translational geroscience: From invertebrate models to companion animal and human interventions. Translational Medicine of Aging, 2018, 2, 15-29.	0.6	20
63	A toolkit for DNA assembly, genome engineering and multicolor imaging for C. elegans. Translational Medicine of Aging, 2018, 2, 1-10.	0.6	17
64	How healthy is the healthspan concept?. GeroScience, 2018, 40, 361-364.	2.1	106
65	Reactivation of RNA metabolism underlies somatic restoration after adult reproductive diapause in C. elegans. ELife, 2018, 7, .	2.8	12
66	Microfluidic technologies for yeast replicative lifespan studies. Mechanisms of Ageing and Development, 2017, 161, 262-269.	2.2	65
67	CAN1 Arginine Permease Deficiency Extends Yeast Replicative Lifespan via Translational Activation of Stress Response Genes. Cell Reports, 2017, 18, 1884-1892.	2.9	18
68	Asymptomatic heart valve dysfunction in healthy middle-aged companion dogs and its implications for cardiac aging. GeroScience, 2017, 39, 43-50.	2.1	29
69	A randomized controlled trial to establish effects of short-term rapamycin treatment in 24 middle-aged companion dogs. GeroScience, 2017, 39, 117-127.	2.1	125
70	Environmental Canalization of Life Span and Gene Expression in Caenorhabditis elegans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1033-1037.	1.7	14
71	Dietary restriction and lifespan: Lessons from invertebrate models. Ageing Research Reviews, 2017, 39, 3-14.	5.0	267
72	Genetic interaction with temperature is an important determinant of nematode longevity. Aging Cell, 2017, 16, 1425-1429.	3.0	25

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73	Translational geroscience: A new paradigm for 21st century medicine. Translational Medicine of Aging, 2017, 1, 1-4.	0.6	41
74	Rapamycin treatment attenuates age-associated periodontitis in mice. GeroScience, 2017, 39, 457-463.	2.1	61
75	A system to identify inhibitors of mTOR signaling using high-resolution growth analysis in Saccharomyces cerevisiae. GeroScience, 2017, 39, 419-428.	2.1	22
76	Inter-organ regulation of haem homeostasis. Nature Cell Biology, 2017, 19, 756-758.	4.6	6
77	Hepatic S6K1 Partially Regulates Lifespan of Mice with Mitochondrial Complex I Deficiency. Frontiers in Genetics, 2017, 8, 113.	1.1	17
78	A review of the biomedical innovations for healthy longevity. Aging, 2017, 9, 7-25.	1.4	18
79	Transaldolase inhibition impairs mitochondrial respiration and induces a starvation-like longevity response in Caenorhabditis elegans. PLoS Genetics, 2017, 13, e1006695.	1.5	41
80	Flavin-containing monooxygenases in aging and disease: Emerging roles for ancient enzymes. Journal of Biological Chemistry, 2017, 292, 11138-11146.	1.6	46
81	Rapamycin enhances survival in a<i>Drosophila</i>model of mitochondrial disease. Oncotarget, 2016, 7, 80131-80139.	0.8	57
82	Transient rapamycin treatment can increase lifespan and healthspan in middle-aged mice. ELife, 2016, 5, .	2.8	315
83	New insights into cell non-autonomous mechanisms of theC. eleganshypoxic response. Worm, 2016, 5, e1176823.	1.0	1
84	New functional and biophysical insights into the mitochondrial Rieske iron-sulfur protein from genetic suppressor analysis in<i>C. elegans</i>. Worm, 2016, 5, e1174803.	1.0	13
85	The dog aging project: translational geroscience in companion animals. Mammalian Genome, 2016, 27, 279-288.	1.0	111
86	Aneuploidy shortens replicative lifespan in <i>Saccharomyces cerevisiae</i>. Aging Cell, 2016, 15, 317-324.	3.0	28
87	Age-associated vulval integrity is an important marker of nematode healthspan. Age, 2016, 38, 419-431.	3.0	34
88	The Hypoxic Response and Aging. , 2016, , 133-159.		0
89	The Biology of Aging. Veterinary Pathology, 2016, 53, 291-298.	0.8	45
90	Rapamycin in aging and disease: maximizing efficacy while minimizing side effects. Oncotarget, 2016, 7, 44876-44878.	0.8	45

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91	Modulating mTOR in Aging and Health. Interdisciplinary Topics in Gerontology, 2015, 40, 107-127.	3.6	96
92	Defining molecular basis for longevity traits in natural yeast isolates. Npj Aging and Mechanisms of Disease, 2015, 1, .	4.5	18
93	Dose-dependent effects of mTOR inhibition on weight and mitochondrial disease in mice. Frontiers in Genetics, 2015, 6, 247.	1.1	83
94	Sorbitol treatment extends lifespan and induces the osmotic stress response in Caenorhabditis elegans. Frontiers in Genetics, 2015, 6, 316.	1.1	25
95	Healthy aging: The ultimate preventative medicine. Science, 2015, 350, 1191-1193.	6.0	262
96	Fertile Waters for Aging Research. Cell, 2015, 160, 814-815.	13.5	10
97	MicroRNA transcriptome analysis identifies miR-365 as a novel negative regulator of cell proliferation in Zmpste24 -deficient mouse embryonic fibroblasts. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 777, 69-78.	0.4	9
98	H3K36 methylation promotes longevity by enhancing transcriptional fidelity. Genes and Development, 2015, 29, 1362-1376.	2.7	196
99	Why Is Aging Conserved and What Can We Do about It?. PLoS Biology, 2015, 13, e1002131.	2.6	62
100	PMT1 deficiency enhances basal UPR activity and extends replicative lifespan of Saccharomyces cerevisiae. Age, 2015, 37, 9788.	3.0	20
101	Biochemical Genetic Pathways that Modulate Aging in Multiple Species: Figure 1.. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a025114.	2.9	96
102	Tether mutations that restore function and suppress pleiotropic phenotypes of the <i>C. elegans isp-1(qm150)</i> Rieske ironâ€“sulfur protein. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6148-57.	3.3	24
103	A Comprehensive Analysis of Replicative Lifespan in 4,698 Single-Gene Deletion Strains Uncovers Conserved Mechanisms of Aging. Cell Metabolism, 2015, 22, 895-906.	7.2	212
104	Transcription errors induce proteotoxic stress and shorten cellular lifespan. Nature Communications, 2015, 6, 8065.	5.8	73
105	Systematic analysis of asymmetric partitioning of yeast proteome between mother and daughter cells reveals â€œaging factorsâ€•and mechanism of lifespan asymmetry. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11977-11982.	3.3	51
106	Cell nonautonomous activation of flavin-containing monooxygenase promotes longevity and health span. Science, 2015, 350, 1375-1378.	6.0	109
107	Syringaresinol protects against hypoxia/reoxygenation-induced cardiomyocytes injury and death by destabilization of HIF-1Î± in a FOXO3-dependent mechanism. Oncotarget, 2015, 6, 43-55.	0.8	36
108	Lifespan Extension Conferred by Endoplasmic Reticulum Secretory Pathway Deficiency Requires Induction of the Unfolded Protein Response. PLoS Genetics, 2014, 10, e1004019.	1.5	74

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109	Enhanced Longevity by Ibuprofen, Conserved in Multiple Species, Occurs in Yeast through Inhibition of Tryptophan Import. PLoS Genetics, 2014, 10, e1004860.	1.5	80
110	Searching for the elusive mitochondrial longevity signal in C. elegans. Worm, 2014, 3, e959404.	1.0	5
111	A Drosophila model of mitochondrial disease caused by a complex I mutation that uncouples proton pumping from electron transfer. DMM Disease Models and Mechanisms, 2014, 7, 1165-74.	1.2	56
112	The mitochondrial unfolded protein response and increased longevity: Cause, consequence, or correlation?. Experimental Gerontology, 2014, 56, 142-146.	1.2	53
113	Activation of the mitochondrial unfolded protein response does not predict longevity in Caenorhabditis elegans. Nature Communications, 2014, 5, 3483.	5.8	175
114	Inactivation of Yeast Isw2 Chromatin Remodeling Enzyme Mimics Longevity Effect of Calorie Restriction via Induction of Genotoxic Stress Response. Cell Metabolism, 2014, 19, 952-966.	7.2	69
115	Chemical Warfare in the Battle of the Sexes. Science, 2014, 343, 491-492.	6.0	2
116	Yeast replicative aging: a paradigm for defining conserved longevity interventions. FEMS Yeast Research, 2014, 14, 148-159.	1.1	58
117	Rapamycin and Ageing: When, for How Long, and How Much?. Journal of Genetics and Genomics, 2014, 41, 459-463.	1.7	36
118	The SAGA Histone Deubiquitinase Module Controls Yeast Replicative Lifespan via Sir2 Interaction. Cell Reports, 2014, 8, 477-486.	2.9	62
119	Rejuvenation: Itâ€™s in Our Blood. Cell Metabolism, 2014, 20, 2-4.	7.2	27
120	Nar1 deficiency results in shortened lifespan and sensitivity to paraquat that is rescued by increased expression of mitochondrial superoxide dismutase. Mechanisms of Ageing and Development, 2014, 138, 53-58.	2.2	9
121	Oxygen and Aging. Annual Review of Gerontology and Geriatrics, 2014, 34, 59-91.	0.5	4
122	Searching for the elusive mitochondrial longevity signal in C. elegans. Worm, 2014, 3, e29868.	1.0	1
123	Replicative Life Span Analysis in Budding Yeast. Methods in Molecular Biology, 2014, 1205, 341-357.	0.4	2
124	Molecular mechanisms underlying genotypeâ€dependent responses to dietary restriction. Aging Cell, 2013, 12, 1050-1061.	3.0	137
125	Preserving Youth: Does Rapamycin Deliver?. Science Translational Medicine, 2013, 5, 211fs40.	5.8	33
126	Dietary restriction and mitochondrial function link replicative and chronological aging in Saccharomyces cerevisiae. Experimental Gerontology, 2013, 48, 1006-1013.	1.2	54

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127	Deciphering the role of natural variation in age-related protein homeostasis. BMC Biology, 2013, 11, 102.	1.7	1
128	mTOR is a key modulator of ageing and age-related disease. Nature, 2013, 493, 338-345.	13.7	1,390
129	End-of-life cell cycle arrest contributes to stochasticity of yeast replicative aging. FEMS Yeast Research, 2013, 13, 267-276.	1.1	27
130	Stress profiling of longevity mutants identifies <scp>Afg3</scp> as a mitochondrial determinant of cytoplasmic <scp>mRNA</scp> translation and aging. Aging Cell, 2013, 12, 156-166.	3.0	62
131	WormFarm: a quantitative control and measurement device toward automated <i>Caenorhabditis elegans</i> aging analysis. Aging Cell, 2013, 12, 398-409.	3.0	90
132	Life-Span Extension From Hypoxia in Caenorhabditis elegans Requires Both HIF-1 and DAF-16 and Is Antagonized by SKN-1. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1135-1144.	1.7	63
133	The Ribosomal Protein Rpl22 Controls Ribosome Composition by Directly Repressing Expression of Its Own Paralog, Rpl22l1. PLoS Genetics, 2013, 9, e1003708.	1.5	89
134	A Natural Polymorphism in rDNA Replication Origins Links Origin Activation with Calorie Restriction and Lifespan. PLoS Genetics, 2013, 9, e1003329.	1.5	97
135	Buffering the pH of the culture medium does not extend yeast replicative lifespan. F1000Research, 2013, 2, 216.	0.8	21
136	mTOR Inhibition: From Aging to Autism and Beyond. Scientifica, 2013, 2013, 1-17.	0.6	51
137	Elevated MTORC1 signaling and impaired autophagy. Autophagy, 2013, 9, 108-109.	4.3	15
138	mTOR Inhibition Alleviates Mitochondrial Disease in a Mouse Model of Leigh Syndrome. Science, 2013, 342, 1524-1528.	6.0	437
139	UV-Photoconversion of Ethosuximide from a Longevity-Promoting Compound to a Potent Toxin. PLoS ONE, 2013, 8, e82543.	1.1	3
140	Longevity and aging. F1000prime Reports, 2013, 5, 5.	5.9	103
141	A new chronological survival assay in mammalian cell culture. Cell Cycle, 2012, 11, 201-202.	1.3	9
142	Ribosome Deficiency Protects Against ER Stress in <i>Saccharomyces cerevisiae</i>. Genetics, 2012, 191, 107-118.	1.2	170
143	Genome-Wide RNAi Longevity Screens in Caenorhabditis elegans. Current Genomics, 2012, 13, 508-518.	0.7	49
144	Editorial [(Hot Topic Genomics and Genetics of Aging). Current Genomics, 2012, 13, 499-499.	0.7	0

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145	Midlife gene expressions identify modulators of aging through dietary interventions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1201-9.	3.3	57
146	Yeast as a model to understand the interaction between genotype and the response to calorie restriction. FEBS Letters, 2012, 586, 2868-2873.	1.3	23
147	Replicative and Chronological Aging in Saccharomyces cerevisiae. Cell Metabolism, 2012, 16, 18-31.	7.2	509
148	Caffeine extends life span, improves healthspan, and delays age-associated pathology in Caenorhabditis elegans. Longevity & Healthspan, 2012, 1, 9.	6.7	64
149	pH neutralization protects against reduction in replicative lifespan following chronological aging in yeast. Cell Cycle, 2012, 11, 3087-3096.	1.3	63
150	Resveratrol Rescues SIRT1-Dependent Adult Stem Cell Decline and Alleviates Progeroid Features in Laminopathy-Based Progeria. Cell Metabolism, 2012, 16, 738-750.	7.2	177
151	Rapamycin Reverses Elevated mTORC1 Signaling in Lamin A/Câ€"Deficient Mice, Rescues Cardiac and Skeletal Muscle Function, and Extends Survival. Science Translational Medicine, 2012, 4, 144ra103.	5.8	300
152	A healthy diet for stem cells. Nature, 2012, 486, 477-478.	13.7	14
153	Hypertrophy and senescence factors in yeast aging. A reply to Bilinski etÂal.. FEMS Yeast Research, 2012, 12, 269-270.	1.1	19
154	Yeast Aging Proteome Unveiled a Novel Aging Regulation Pathway Mediated by the Chromatin Remodeling Complex ISW2. FASEB Journal, 2012, 26, 965.2.	0.2	0
155	Genome-Wide Analysis of Yeast Aging. Sub-Cellular Biochemistry, 2011, 57, 251-289.	1.0	14
156	Absence of effects of Sir2 overexpression on lifespan in C. elegans and Drosophila. Nature, 2011, 477, 482-485.	13.7	574
157	Comparative Genetics of Aging. , 2011, , 215-241.		1
158	Composition and Acidification of the Culture Medium Influences Chronological Aging Similarly in Vineyard and Laboratory Yeast. PLoS ONE, 2011, 6, e24530.	1.1	61
159	Restoration of senescent human diploid fibroblasts by modulation of the extracellular matrix. Aging Cell, 2011, 10, 148-157.	3.0	70
160	Hot topics in aging research: protein translation and TOR signaling, 2010. Aging Cell, 2011, 10, 185-190.	3.0	60
161	HIFâ€1 modulates longevity and healthspan in a temperatureâ€dependent manner. Aging Cell, 2011, 10, 318-326.	3.0	96
162	Sir2 deletion prevents lifespan extension in 32 longâ€lived mutants. Aging Cell, 2011, 10, 1089-1091.	3.0	52

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163	Trinations aging symposium. Mechanisms of Ageing and Development, 2011, 132, 348-352.	2.2	1
164	A genomic analysis of chronological longevity factors in budding yeast. Cell Cycle, 2011, 10, 1385-1396.	1.3	87
165	Quantitative evidence for early life fitness defects from 32 longevity-associated alleles in yeast. Cell Cycle, 2011, 10, 156-165.	1.3	47
166	Elevated Proteasome Capacity Extends Replicative Lifespan in Saccharomyces cerevisiae. PLoS Genetics, 2011, 7, e1002253.	1.5	202
167	The MDT-15 Subunit of Mediator Interacts with Dietary Restriction to Modulate Longevity and Fluoranthene Toxicity in Caenorhabditis elegans. PLoS ONE, 2011, 6, e28036.	1.1	8
168	YODA: Software to facilitate high-throughput analysis of chronological life span, growth rate, and survival in budding yeast. BMC Bioinformatics, 2010, 11, 141.	1.2	51
169	Resveratrol and rapamycin: are they antiâ€aging drugs?. BioEssays, 2010, 32, 96-99.	1.2	83
170	Lessons on longevity from budding yeast. Nature, 2010, 464, 513-519.	13.7	382
171	The hypoxia-inducible factor HIF-1 functions as both a positive and negative modulator of aging. Biological Chemistry, 2010, 391, 1131-7.	1.2	61
172	Regulation of mRNA Translation as a Conserved Mechanism of Longevity Control. Advances in Experimental Medicine and Biology, 2010, 694, 14-29.	0.8	40
173	A Role for SIRT1 in the Hypoxic Response. Molecular Cell, 2010, 38, 779-780.	4.5	22
174	The Role of TOR Signaling in Aging. , 2010, , 147-161.		3
175	Histone H4 lysineâ€16 acetylation regulates cellular lifespan. FASEB Journal, 2010, 24, 662.2.	0.2	0
176	A molecular mechanism of chronological aging in yeast. Cell Cycle, 2009, 8, 1256-1270.	1.3	320
177	Aging Is RSKy Business. Science, 2009, 326, 55-56.	6.0	30
178	The hypoxic response and aging. Cell Cycle, 2009, 8, 2324-2324.	1.3	32
179	Histone H4 lysine 16 acetylation regulates cellular lifespan. Nature, 2009, 459, 802-807.	13.7	580
180	A midlife longevity drug?. Nature, 2009, 460, 331-332.	13.7	46

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181	Spermidine surprise for a long life. Nature Cell Biology, 2009, 11, 1277-1278.	4.6	30
182	Hot topics in aging research: protein translation, 2009. Aging Cell, 2009, 8, 617-623.	3.0	48
183	Proteasomal Regulation of the Hypoxic Response Modulates Aging in <i>C. elegans</i>. Science, 2009, 324, 1196-1198.	6.0	220
184	The TOR pathway comes of age. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1067-1074.	1.1	300
185	Quantifying Yeast Chronological Life Span by Outgrowth of Aged Cells. Journal of Visualized Experiments, 2009, , .	0.2	68
186	Measuring Caenorhabditis elegans Life Span on Solid Media. Journal of Visualized Experiments, 2009, , .	0.2	143
187	Measuring Replicative Life Span in the Budding Yeast. Journal of Visualized Experiments, 2009, , .	0.2	134
188	A Genomic Approach to Yeast Chronological Aging. Methods in Molecular Biology, 2009, 548, 101-114.	0.4	18
189	Age- and calorie-independent life span extension from dietary restriction by bacterial deprivation in Caenorhabditis elegans. BMC Developmental Biology, 2008, 8, 49.	2.1	116
190	Single-gene deletions that restore mating competence to diploid yeast. FEMS Yeast Research, 2008, 8, 276-286.	1.1	12
191	A molecular age barrier. Nature, 2008, 454, 709-710.	13.7	8
192	Dietary restriction suppresses proteotoxicity and enhances longevity by an <i>hsfâ€•1</i>â€•dependent mechanism in <i>Caenorhabditis elegans</i>. Aging Cell, 2008, 7, 394-404.	3.0	233
193	Protein translation, 2008. Aging Cell, 2008, 7, 777-782.	3.0	31
194	Dietary restriction by bacterial deprivation increases life span in wild-derived nematodes. Experimental Gerontology, 2008, 43, 130-135.	1.2	63
195	Yeast Life Span Extension by Depletion of 60S Ribosomal Subunits Is Mediated by Gcn4. Cell, 2008, 133, 292-302.	13.5	436
196	The Ongoing Saga of Sirtuins and Aging. Cell Metabolism, 2008, 8, 4-5.	7.2	21
197	Quantitative evidence for conserved longevity pathways between divergent eukaryotic species. Genome Research, 2008, 18, 564-570.	2.4	182
198	A Method for High-Throughput Quantitative Analysis of Yeast Chronological Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 113-121.	1.7	111

#	Article	IF	Citations
199	Shortest-Path Network Analysis Is a Useful Approach toward Identifying Genetic Determinants of Longevity. PLoS ONE, 2008, 3, e3802.	1.1	119
200	Longevity Genomics Across Species. Current Genomics, 2007, 8, 73-78.	0.7	10
201	Recent Developments in Yeast Aging. PLoS Genetics, 2007, 3, e84.	1.5	188
202	The Sensitivity of Yeast Mutants to Oleic Acid Implicates the Peroxisome and Other Processes in Membrane Function. Genetics, 2007, 175, 77-91.	1.2	95
203	Sir2 and calorie restriction in yeast: A skeptical perspective. Ageing Research Reviews, 2007, 6, 128-140.	5.0	99
204	Does resveratrol activate yeast Sir2 <i>in vivo</i>?. Aging Cell, 2007, 6, 415-416.	3.0	17
205	Protein translation, 2007. Aging Cell, 2007, 6, 731-734.	3.0	44
206	Genome-wide identification of conserved longevity genes in yeast and worms. Mechanisms of Ageing and Development, 2007, 128, 106-111.	2.2	58
207	Longevity and Aging in Budding Yeast. , 2006, , 207-217.		2
208	Genome-wide approaches to understanding human ageing. Human Genomics, 2006, 2, 422-8.	1.4	8
209	Lifespan extension in Caenorhabditis elegans by complete removal of food. Aging Cell, 2006, 5, 487-494.	3.0	294
210	Sirtuin-independent effects of nicotinamide on lifespan extension from calorie restriction in yeast. Aging Cell, 2006, 5, 505-514.	3.0	100
211	Grapes versus gluttony. Nature, 2006, 444, 280-281.	13.7	42
212	Comment on "HST2 Mediates SIR2-Independent Life-Span Extension by Calorie Restriction". Science, 2006, 312, 1312-1312.	6.0	62
213	Extension of chronological life span in yeast by decreased TOR pathway signaling. Genes and Development, 2006, 20, 174-184.	2.7	840
214	Application of High-Throughput Technologies to Aging-Related Research. , 2006, , 109-119.		9
215	Large-scale identification in yeast of conserved ageing genes. Mechanisms of Ageing and Development, 2005, 126, 17-21.	2.2	78
216	Genes determining yeast replicative life span in a long-lived genetic background. Mechanisms of Ageing and Development, 2005, 126, 491-504.	2.2	153

#	Article	IF	Citations
217	Increased Life Span due to Calorie Restriction in Respiratory-Deficient Yeast. PLoS Genetics, 2005, 1, e69.	1.5	169
218	Regulation of Yeast Replicative Life Span by TOR and Sch9 in Response to Nutrients. Science, 2005, 310, 1193-1196.	6.0	1,171
219	Substrate-specific Activation of Sirtuins by Resveratrol. Journal of Biological Chemistry, 2005, 280, 17038-17045.	1.6	677
220	The Enigmatic Role of Sir2 in Aging. Cell, 2005, 123, 548-550.	13.5	46
221	Microarray Analysis of Gene Expression Changes in Aging. , 2005, , 295-333.		0
222	Increased life span due to calorie restriction in respiratory deficient yeast. PLoS Genetics, 2005, preprint, e69.	1.5	1
223	Sir2-Independent Life Span Extension by Calorie Restriction in Yeast. PLoS Biology, 2004, 2, e296.	2.6	396
224	Saccharomyces cerevisiae SSD1-V Confers Longevity by a Sir2p-Independent Mechanism. Genetics, 2004, 166, 1661-1672.	1.2	51
225	<i>Saccharomyces cerevisiae SSD1-V</i> Confers Longevity by a Sir2p-Independent Mechanism. Genetics, 2004, 166, 1661-1672.	1.2	19
226	Aging-Related Research in the "-omics" Age. Science of Aging Knowledge Environment: SAGE KE, 2004, 2004, pe39-pe39.	0.9	8
227	Mutations inSaccharomyces cerevisiaeGeneSIR2Can Have Differential Effects on In Vivo Silencing Phenotypes and In Vitro Histone Deacetylation Activity. Molecular Biology of the Cell, 2002, 13, 1427-1438.	0.9	50
228	High Osmolarity Extends Life Span in Saccharomyces cerevisiae by a Mechanism Related to Calorie Restriction. Molecular and Cellular Biology, 2002, 22, 8056-8066.	1.1	135
229	AGEID: a database of aging genes and interventions. Mechanisms of Ageing and Development, 2002, 123, 1115-1119.	2.2	34
230	Calorie restriction extends Saccharomyces cerevisiae lifespan by increasing respiration. Nature, 2002, 418, 344-348.	13.7	950
231	<i>Saccharomyces cerevisiae MPT5</i> and <i>SSD1</i> Function in Parallel Pathways to Promote Cell Wall Integrity. Genetics, 2002, 160, 83-95.	1.2	125
232	The Short Life Span of <i>Saccharomyces cerevisiae sgs1</i> and <i>srs2</i> Mutants Is a Composite of Normal Aging Processes and Mitotic Arrest Due to Defective Recombination. Genetics, 2001, 157, 1531-1542.	1.2	96
233	Using Yeast to Discover the Fountain of Youth. Science of Aging Knowledge Environment: SAGE KE, 2001, 2001, 1pe-1.	0.9	25
234	Transcriptional silencing and longevity protein Sir2 is an NAD-dependent histone deacetylase. Nature, 2000, 403, 795-800.	13.7	3,142

#	Article	IF	Citations
235	A Genetic Screen for Zygotic Embryonic Lethal Mutations Affecting Cuticular Morphology in the Wasp Nasonia vitripennis. Genetics, 2000, 154, 1213-1229.	1.2	28
236	Elimination of Replication Block Protein Fob1 Extends the Life Span of Yeast Mother Cells. Molecular Cell, 1999, 3, 447-455.	4.5	380
237	Ageing: A midlife longevity drug?. Nature, 0, , .	13.7	2