Richard A Miller

List of Publications by Year
in descending order

231 papers	18,753 citations	17405 63 h-index	14702 127 g-index
244 all docs	244 docs citations	244 times ranked	14249 citing authors

#	Article	IF	Citations
1	17-Î±-Estradiol Has Sex-Specific Effects on Neuroinflammation That Are Partly Reversed by Gonadectomy. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 66-74.	1.7	16
2	Canagliflozin Increases Intestinal Adenoma Burden in Female ApcMin/+ Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 215-220.	1.7	3
3	Lysosomal targetomics of <i>ghr KO</i> mice shows chaperone-mediated autophagy degrades nucleocytosolic acetyl-coA enzymes. Autophagy, 2022, 18, 1551-1571.	4.3	8
4	Aging is associated with increased brain iron through cortex-derived hepcidin expression. ELife, 2022, 11, .	2.8	27
5	Rapamycin, Acarbose and 17Î±-estradiol share common mechanisms regulating the MAPK pathways involved in intracellular signaling and inflammation. Immunity and Ageing, 2022, 19, 8.	1.8	13
6	Early Life Interventions Can Shape Aging. Frontiers in Endocrinology, 2022, 13, 797581.	1.5	5
7	Regulation of mTOR complexes in long-lived growth hormone receptor knockout and Snell dwarf mice. Aging, 2022, 14, 2442-2461.	1.4	2
8	Comparative transcriptomics reveals circadian and pluripotency networks as two pillars of longevity regulation. Cell Metabolism, 2022, 34, 836-856.e5.	7.2	33
9	Neuroprotective effects of Canagliflozin: Lessons from aged genetically diverse UMâ€HET3 mice. Aging Cell, 2022, 21, .	3.0	17
10	Transient early life growth hormone exposure permanently alters brain, muscle, liver, macrophage, and adipocyte statusÂin longâ€lived Ames dwarf mice. FASEB Journal, 2022, 36, .	0.2	12
11	Long-lived mice with reduced growth hormone signaling have a constitutive upregulation of hepatic chaperone-mediated autophagy. Autophagy, 2021, 17, 612-625.	4.3	21
12	NIA Interventions Testing Program: A collaborative approach for investigating interventions to promote healthy aging. , 2021, , 219-235.		11
13	Capâ€independent translation: A shared mechanism for lifespan extension by rapamycin, acarbose, and 17Î±â€estradiol. Aging Cell, 2021, 20, e13345.	3.0	22
14	17â€αâ€estradiol late in life extends lifespan in aging UMâ€HET3 male mice; nicotinamide riboside and three other drugs do not affect lifespan in either sex. Aging Cell, 2021, 20, e13328.	3.0	48
15	CD4 receptor diversity represents an ancient protection mechanism against primate lentiviruses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
16	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. ELife, 2021, 10, .	2.8	40
17	Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. Nature Metabolism, 2021, 3, 1217-1227.	5.1	27
18	<i>Muribaculaceae</i> Genomes Assembled from Metagenomes Suggest Genetic Drivers of Differential Response to Acarbose Treatment in Mice. MSphere, 2021, 6, e0085121.	1.3	53

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19	Brain Protein Synthesis Rates in the UM-HET3 Mouse Following Treatment With Rapamycin or Rapamycin With Metformin. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 40-49.	1.7	17
20	Naturally occurring osteoarthritis in male mice with an extended lifespan. Connective Tissue Research, 2020, 61, 95-103.	1.1	11
21	Life-span Extension Drug Interventions Affect Adipose Tissue Inflammation in Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 89-98.	1.7	18
22	High-throughput small molecule screening reveals Nrf2-dependent and -independent pathways of cellular stress resistance. Science Advances, 2020, 6, .	4.7	12
23	<i>signatureSearch</i>: environment for gene expression signature searching and functional interpretation. Nucleic Acids Research, 2020, 48, e124-e124.	6.5	17
24	Rapamycinâ€mediated mouse lifespan extension: Lateâ€life dosage regimes with sexâ€specific effects. Aging Cell, 2020, 19, e13269.	3.0	49
25	Inhibition of class I PI3K enhances chaperone-mediated autophagy. Journal of Cell Biology, 2020, 219, .	2.3	18
26	Canagliflozin extends life span in genetically heterogeneous male but not female mice. JCI Insight, 2020, 5, .	2.3	51
27	Muscle-dependent regulation of adipose tissue function in long-lived growth hormone-mutant mice. Aging, 2020, 12, 8766-8789.	1.4	13
28	Acarbose has sex-dependent and -independent effects on age-related physical function, cardiac health, and lipid biology. JCI Insight, 2020, 5, .	2.3	16
29	Mitochondrial DNA alterations in aged macrophage migration inhibitory factor-knockout mice. Mechanisms of Ageing and Development, 2019, 182, 111126.	2.2	2
30	Improved mitochondrial stress response in longâ€lived Snell dwarf mice. Aging Cell, 2019, 18, e13030.	3.0	29
31	Identification and Application of Gene Expression Signatures Associated with Lifespan Extension. Cell Metabolism, 2019, 30, 573-593.e8.	7.2	113
32	Acarbose improves health and lifespan in aging HET3 mice. Aging Cell, 2019, 18, e12898.	3.0	90
33	Changes in the gut microbiome and fermentation products concurrent with enhanced longevity in acarbose-treated mice. BMC Microbiology, 2019, 19, 130.	1.3	218
34	Glycine supplementation extends lifespan of male and female mice. Aging Cell, 2019, 18, e12953.	3.0	53
35	mTORC1 underlies ageâ€related muscle fiber damage and loss by inducing oxidative stress and catabolism. Aging Cell, 2019, 18, e12943.	3.0	104
36	Cellular energetics and mitochondrial uncoupling in canine aging. GeroScience, 2019, 41, 229-242.	2.1	27

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37	17â€Î± estradiol ameliorates ageâ€associated sarcopenia and improves lateâ€life physical function in male mice but not in females or castrated males. Aging Cell, 2019, 18, e12920.	3.0	38
38	Cap-independent mRNA translation is upregulated in long-lived endocrine mutant mice. Journal of Molecular Endocrinology, 2019, 63, 123-138.	1.1	28
39	Immunoproteasome System in Aging, Lifespan, and Age-Associated Disease. , 2019, , 1281-1297.		0
40	Long term rapamycin treatment improves mitochondrial DNA quality in aging mice. Experimental Gerontology, 2018, 106, 125-131.	1.2	22
41	Male lifespan extension with 17â€Î± estradiol is linked to a sexâ€specific metabolomic response modulated by gonadal hormones in mice. Aging Cell, 2018, 17, e12786.	3.0	49
42	Immunoproteasome System in Aging, Lifespan, and Age-Associated Disease. , 2018, , 1-17.		1
43	Dietary Glycine Supplementation Extends Lifespan of Genetically Heterogeneous Mice. FASEB Journal, 2018, 32, 533.112.	0.2	3
44	NIA Interventions Testing Program: Investigating Putative Aging Intervention Agents in a Genetically Heterogeneous Mouse Model. EBioMedicine, 2017, 21, 3-4.	2.7	87
45	The GH/IGF-1 axis in a critical period early in life determines cellular DNA repair capacity by altering transcriptional regulation of DNA repair-related genes: implications for the developmental origins of cancer. GeroScience, 2017, 39, 147-160.	2.1	65
46	Mitochondrial thioredoxin reductase 2 is elevated in longâ€lived primate as well as rodent species and extends fly mean lifespan. Aging Cell, 2017, 16, 683-692.	3.0	24
47	mTOR regulates the expression of DNA damage response enzymes in longâ€lived Snell dwarf, GHRKO, and PAPPAâ€KO mice. Aging Cell, 2017, 16, 52-60.	3.0	48
48	Differential effects of early-life nutrient restriction in long-lived GHR-KO and normal mice. GeroScience, 2017, 39, 347-356.	2.1	22
49	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. Cell Metabolism, 2017, 25, 1320-1333.e5.	7.2	71
50	Antiâ€aging drugs reduce hypothalamic inflammation in a sexâ€specific manner. Aging Cell, 2017, 16, 652-660.	3.0	66
51	Using DNA Methylation Profiling to Evaluate Biological Age and Longevity Interventions. Cell Metabolism, 2017, 25, 954-960.e6.	7.2	314
52	Hypothalamic growth hormone receptor (GHR)Âcontrols hepatic glucose production in nutrient-sensing leptin receptor (LepRb) expressing neurons. Molecular Metabolism, 2017, 6, 393-405.	3.0	38
53	Sex differences in lifespan extension with acarbose and 17â€Î± estradiol: gonadal hormones underlie maleâ€specific improvements in glucose tolerance and <scp>mTORC</scp>2 signaling. Aging Cell, 2017, 16, 1256-1266.	3.0	77
54	Rapamycin treatment attenuates age-associated periodontitis in mice. GeroScience, 2017, 39, 457-463.	2.1	61

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55	Diverse interventions that extend mouse lifespan suppress shared age-associated epigenetic changes at critical gene regulatory regions. Genome Biology, 2017, 18, 58.	3.8	147
56	Genetically heterogeneous mice show age-related vision deficits not related to increased rod cell L-type calcium channel function inÂvivo. Neurobiology of Aging, 2017, 49, 198-203.	1.5	3
57	Overactive mTOR signaling leads to endometrial hyperplasia in aged women and mice. Oncotarget, 2017, 8, 7265-7275.	0.8	33
58	Rapamycin Attenuates Age-associated Changes in Tibialis Anterior Tendon Viscoelastic Properties. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 858-865.	1.7	35
59	Not Your Father's, or Mother's, Rodent: Moving Beyond B6. Neuron, 2016, 91, 1185-1186.	3.8	7
60	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an Î±â€glucosidase inhibitor or a Nrf2â€inducer. Aging Cell, 2016, 15, 872-884.	3.0	277
61	NIA Interventions Testing Program. , 2016, , 287-303.		3
62	Loss of the Ubiquitin-conjugating Enzyme UBE2W Results in Susceptibility to Early Postnatal Lethality and Defects in Skin, Immune, and Male Reproductive Systems. Journal of Biological Chemistry, 2016, 291, 3030-3042.	1.6	20
63	Mini-review: Retarding aging in murine genetic models of neurodegeneration. Neurobiology of Disease, 2016, 85, 73-80.	2.1	6
64	Measures of Healthspan as Indices of Aging in Miceâ€"A Recommendation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 427-430.	1.7	76
65	Age related increase in mTOR activity contributes to the pathological changes in ovarian surface epithelium. Oncotarget, 2016, 7, 19214-19227.	0.8	15
66	Cell culture-based profiling across mammals reveals DNA repair and metabolism as determinants of species longevity. ELife, 2016, 5, .	2.8	69
67	Longâ€lived Snell dwarf mice display increased proteostatic mechanisms that are not dependent on decreased <scp>mTORC</scp>1 activity. Aging Cell, 2015, 14, 474-482.	3.0	45
68	Growth hormone modulates hypothalamic inflammation in longâ€lived pituitary dwarf mice. Aging Cell, 2015, 14, 1045-1054.	3.0	70
69	Regulation of mTOR Activity in Snell Dwarf and GH Receptor Gene-Disrupted Mice. Endocrinology, 2015, 156, 565-575.	1.4	77
70	Reduced Expression of MYC Increases Longevity and Enhances Healthspan. Cell, 2015, 160, 477-488.	13.5	238
71	Organization of the Mammalian Metabolome according to Organ Function, Lineage Specialization, and Longevity. Cell Metabolism, 2015, 22, 332-343.	7.2	104
72	Fibroblasts From Long-Lived Rodent Species Exclude Cadmium. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 10-19.	1.7	12

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73	mTOR regulates MAPKAPK2 translation to control the senescence-associated secretory phenotype. Nature Cell Biology, 2015, 17, 1205-1217.	4.6	552
74	Syntaxin 4 Overexpression Ameliorates Effects of Aging and High-Fat Diet on Glucose Control and Extends Lifespan. Cell Metabolism, 2015, 22, 499-507.	7.2	13
75	Transient early food restriction leads to hypothalamic changes in the long-lived crowded litter female mice. Physiological Reports, 2015, 3, e12379.	0.7	18
76	Potential Site Effects and Transgene Expression Discrepancies in Mouse Lifespan Studies. Cell Metabolism, 2015, 22, 346-347.	7.2	3
77	Elevated ATF4 Function in Fibroblasts and Liver of Slow-Aging Mutant Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 263-272.	1.7	34
78	Fibroblasts From Longer-Lived Species of Primates, Rodents, Bats, Carnivores, and Birds Resist Protein Damage. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 791-799.	1.7	33
79	Lifespan of mice and primates correlates with immunoproteasome expression. Journal of Clinical Investigation, 2015, 125, 2059-2068.	3.9	62
80	Long-lived crowded-litter mice exhibit lasting effects on insulin sensitivity and energy homeostasis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1305-E1314.	1.8	32
81	The First International Mini-Symposium on Methionine Restriction and Lifespan. Frontiers in Genetics, 2014, 5, 122.	1.1	16
82	Aging, Disease, and Longevity in Mice. Annual Review of Gerontology and Geriatrics, 2014, 34, 93-138.	0.5	8
83	Long-lived crowded-litter mice have an age-dependent increase in protein synthesis to DNA synthesis ratio and mTORC1 substrate phosphorylation. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E813-E821.	1.8	36
84	Differential Effects of Delayed Aging on Phenotype and Striatal Pathology in a Murine Model of Huntington Disease. Journal of Neuroscience, 2014, 34, 15658-15668.	1.7	12
85	<scp>ATF</scp>4 activity: a common feature shared by many kinds of slowâ€aging mice. Aging Cell, 2014, 13, 1012-1018.	3.0	62
86	Fibroblasts from longâ€lived species of mammals and birds show delayed, but prolonged, phosphorylation of <scp>ERK</scp>. Aging Cell, 2014, 13, 283-291.	3.0	14
87	Rapamycinâ€mediated lifespan increase in mice is dose and sex dependent and metabolically distinct from dietary restriction. Aging Cell, 2014, 13, 468-477.	3.0	486
88	Mapping ecologically relevant social behaviours by gene knockout in wild mice. Nature Communications, 2014, 5, 4569.	5.8	88
89	Acarbose, 17â€Î±â€estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. Aging Cell, 2014, 13, 273-282.	3.0	331
90	Liver-Specific GH Receptor Gene-Disrupted (LiGHRKO) Mice Have Decreased Endocrine IGF-I, Increased Local IGF-I, and Altered Body Size, Body Composition, and Adipokine Profiles. Endocrinology, 2014, 155, 1793-1805.	1.4	125

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91	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. Aging, 2014, 6, 575-586.	1.4	107
92	Evaluation of Resveratrol, Green Tea Extract, Curcumin, Oxaloacetic Acid, and Medium-Chain Triglyceride Oil on Life Span of Genetically Heterogeneous Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 6-16.	1.7	182
93	Sulfur-based redox alterations in long-lived Snell dwarf mice. Mechanisms of Ageing and Development, 2013, 134, 321-330.	2.2	27
94	Direct and indirect effects of growth hormone receptor ablation on liver expression of xenobiotic metabolizing genes. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E942-E950.	1.8	19
95	Assessment of Mitochondrial Biogenesis and mTORC1 Signaling During Chronic Rapamycin Feeding in Male and Female Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1493-1501.	1.7	84
96	Increased Mammalian Target of Rapamycin Complex 2 Signaling Promotes Age-Related Decline in CD4 T Cell Signaling and Function. Journal of Immunology, 2013, 191, 4648-4655.	0.4	17
97	Assessment of protein synthesis and cellular proliferation in longâ€lived crowded litter mice. FASEB Journal, 2013, 27, 1202.25.	0.2	1
98	Nrf2â€regulated antioxidant defenses in rodent models of longevity. FASEB Journal, 2013, 27, 712.25.	0.2	1
99	Longevity Promoting Interventions Inhibit Molecular and Functional Changes In Aging Hematopoietic Stem Cells. Blood, 2013, 122, 1168-1168.	0.6	0
100	Activation of genes involved in xenobiotic metabolism is a shared signature of mouse models with extended lifespan. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E488-E495.	1.8	82
101	Dissection of complex adult traits in a mouse synthetic population. Genome Research, 2012, 22, 1549-1557.	2.4	13
102	Augmented autophagy pathways and MTOR modulation in fibroblasts from long-lived mutant mice. Autophagy, 2012, 8, 1273-1274.	4.3	21
103	Ex Vivo Enzymatic Treatment of Aged CD4 T Cells Restores Cognate T Cell Helper Function and Enhances Antibody Production in Mice. Journal of Immunology, 2012, 189, 5582-5589.	0.4	9
104	Alleles that modulate late life hearing in genetically heterogeneous mice. Neurobiology of Aging, 2012, 33, 1842.e15-1842.e29.	1.5	15
105	Rapamycin slows aging in mice. Aging Cell, 2012, 11, 675-682.	3.0	580
106	Fibroblasts from longâ€lived mutant mice exhibit increased autophagy and lower TOR activity after nutrient deprivation or oxidative stress. Aging Cell, 2012, 11, 668-674.	3.0	45
107	Enteric-delivered rapamycin enhances resistance of aged mice to pneumococcal pneumonia through reduced cellular senescence. Experimental Gerontology, 2012, 47, 958-965.	1.2	60
108	Genes Against Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 495-502.	1.7	26

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109	Chronic rapamycin administration maintains mitochondrial protein synthesis in heart and skeletal muscle. FASEB Journal, 2012, 26, 1075.4.	0.2	0
110	Age-related defects in the cytoskeleton signaling pathways of CD4 T cells. Ageing Research Reviews, 2011, 10, 26-34.	5.0	28
111	Comparative cellular biogerontology: Primer and prospectus. Ageing Research Reviews, 2011, 10, 181-190.	5.0	25
112	Ex vivo enzymatic treatment of aged CD4 T cells restores antigen-driven CD69 expression and proliferation in mice. Immunobiology, 2011, 216, 66-71.	0.8	3
113	Rapamycin, But Not Resveratrol or Simvastatin, Extends Life Span of Genetically Heterogeneous Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 191-201.	1.7	774
114	Resistance of skin fibroblasts to peroxide and UV damage predicts hearing loss in aging mice. Aging Cell, 2011, 10, 362-363.	3.0	3
115	Preservation of femoral bone thickness in middle age predicts survival in genetically heterogeneous mice. Aging Cell, 2011, 10, 383-391.	3.0	12
116	Heightened Induction of Proapoptotic Signals in Response to Endoplasmic Reticulum Stress in Primary Fibroblasts from a Mouse Model of Longevity. Journal of Biological Chemistry, 2011, 286, 30344-30351.	1.6	32
117	Hepatic response to oxidative injury in longâ€lived Ames dwarf mice. FASEB Journal, 2011, 25, 398-408.	0.2	29
118	Fibroblasts from long-lived bird species are resistant to multiple forms of stress. Journal of Experimental Biology, 2011, 214, 1902-1910.	0.8	75
119	Functional Linkages for the Pace of Life, Life-history, and Environment in Birds. Integrative and Comparative Biology, 2010, 50, 855-868.	0.9	89
120	Macrophage migration inhibitory factorâ€knockout mice are long lived and respond to caloric restriction. FASEB Journal, 2010, 24, 2436-2442.	0.2	58
121	Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in long-lived mutant mice. FASEB Journal, 2010, 24, 5073-5079.	0.2	124
122	Nrf2 Signaling, a Mechanism for Cellular Stress Resistance in Long-Lived Mice. Molecular and Cellular Biology, 2010, 30, 871-884.	1.1	123
123	Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in longâ€lived mutant mice. FASEB Journal, 2010, 24, 5073-5079.	0.2	19
124	"Dividends" From Research on Aging--Can Biogerontologists, at Long Last, Find Something Useful to Do?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 157-160.	1.7	27
125	Life-Span Extension in Mice by Preweaning Food Restriction and by Methionine Restriction in Middle Age. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 711-722.	1.7	229
126	Endocrine regulation of heat shock protein mRNA levels in long-lived dwarf mice. Mechanisms of Ageing and Development, 2009, 130, 393-400.	2.2	50

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127	Mechanisms of stress resistance in Snell dwarf mouse fibroblasts: Enhanced antioxidant and DNA base excision repair capacity, but no differences in mitochondrial metabolism. Free Radical Biology and Medicine, 2009, 46, 1109-1118.	1.3	24
128	Fibroblasts from long-lived mutant mice show diminished ERK1/2 phosphorylation but exaggerated induction of immediate early genes. Free Radical Biology and Medicine, 2009, 47, 1753-1761.	1.3	34
129	Age-related changes in lckâ€"Vav signaling pathways in mouse CD4 T cells. Cellular Immunology, 2009, 259, 100-104.	1.4	9
130	Rapamycin fed late in life extends lifespan in genetically heterogeneous mice. Nature, 2009, 460, 392-395.	13.7	3,191
131	Cell Stress and Aging: New Emphasis on Multiplex Resistance Mechanisms. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2009, 64A, 179-182.	1.7	62
132	Inhibition of retinoic acid-induced skin irritation in calorie-restricted mice. Archives of Dermatological Research, 2008, 300, 27-35.	1.1	11
133	Nordihydroguaiaretic acid and aspirin increase lifespan of genetically heterogeneous male mice. Aging Cell, 2008, 7, 641-650.	3.0	283
134	How Long Will My Mouse Live? Machine Learning Approaches for Prediction of Mouse Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 895-906.	1.7	20
135	Fibroblasts From Naked Mole-Rats Are Resistant to Multiple Forms of Cell Injury, But Sensitive to Peroxide, Ultraviolet Light, and Endoplasmic Reticulum Stress. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 232-241.	1.7	112
136	Cells From Long-Lived Mutant Mice Exhibit Enhanced Repair of Ultraviolet Lesions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 219-231.	1.7	32
137	New model of health promotion and disease prevention for the 21st century. BMJ: British Medical Journal, 2008, 337, a399-a399.	2.4	121
138	Age-Related Defects in Moesin/Ezrin Cytoskeletal Signals in Mouse CD4 T Cells. Journal of Immunology, 2007, 179, 6403-6409.	0.4	22
139	PohnB6F1: A Cross of Wild and Domestic Mice That Is a New Model of Extended Female Reproductive Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 1187-1198.	1.7	32
140	Quantitative trait loci modulate vertebral morphology and mechanical properties in a population of 18-month-old genetically heterogeneous mice. Bone, 2007, 40, 433-443.	1.4	14
141	Skin-derived fibroblasts from long-lived species are resistant to some, but not all, lethal stresses and to the mitochondrial inhibitor rotenone. Aging Cell, 2007, 6, 1-13.	3.0	135
142	An aging Interventions Testing Program: study design and interim report. Aging Cell, 2007, 6, 565-575.	3.0	177
143	Three-locus and four-locus QTL interactions influence mouse insulin-like growth factor-I. Physiological Genomics, 2006, 26, 46-54.	1.0	27
144	Genetic Modulation of Hormone Levels and Life Span in Hybrids Between Laboratory and Wild-Derived Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 1019-1029.	1.7	37

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145	Fibroblasts from long-lived Snell dwarf mice are resistant to oxygen-induced in vitro growth arrest. Aging Cell, 2006, 5, 89-96.	3.0	44
146	CD43-independent augmentation of mouse T-cell function by glycoprotein cleaving enzymes. Immunology, 2006, 119, 178-186.	2.0	11
147	Enhancement of CD8 T-cell function through modifying surface glycoproteins in young and old mice. Immunology, 2006, 119, 187-194.	2.0	21
148	Extended longevity of wild-derived mice is associated with peroxidation-resistant membranes. Mechanisms of Ageing and Development, 2006, 127, 653-657.	2.2	72
149	Stress resistance and aging: Influence of genes and nutrition. Mechanisms of Ageing and Development, 2006, 127, 687-694.	2.2	75
150	Correlated resistance to glucose deprivation and cytotoxic agents in fibroblast cell lines from long-lived pituitary dwarf mice. Mechanisms of Ageing and Development, 2006, 127, 821-829.	2.2	32
151	Principles of Animal Use for Gerontological Research. , 2006, , 21-31.		7
152	Signal transduction in the aging immune system. Current Opinion in Immunology, 2005, 17, 486-491.	2.4	72
153	Methionine-deficient diet extends mouse lifespan, slows immune and lens aging, alters glucose, T4, IGF-I and insulin levels, and increases hepatocyte MIF levels and stress resistance. Aging Cell, 2005, 4, 119-125.	3.0	644
154	Genetic Approaches to the Study of Aging. Journal of the American Geriatrics Society, 2005, 53, S284-S286.	1.3	13
155	Science fact and the SENS agenda. EMBO Reports, 2005, 6, 1006-1008.	2.0	61
156	T cells in aging mice: genetic, developmental, and biochemical analyses. Immunological Reviews, 2005, 205, 94-103.	2.8	38
157	Hyperglycemia, impaired glucose tolerance and elevated glycated hemoglobin levels in a long-lived mouse stock. Experimental Gerontology, 2005, 40, 303-314.	1.2	14
158	Age-associated changes in glycosylation of CD43 and CD45 on mouse CD4 T cells. European Journal of Immunology, 2005, 35, 622-631.	1.6	47
159	Growth and Aging. , 2005, , 512-533.		9
160	Fibroblast cell lines from young adult mice of long-lived mutant strains are resistant to multiple forms of stress. American Journal of Physiology - Endocrinology and Metabolism, 2005, 289, E23-E29.	1.8	224
161	A glycoprotein endopeptidase enhances calcium influx and cytokine production by CD4+ T cells of old and young mice. International Immunology, 2005, 17, 983-991.	1.8	10
162	Evaluating Evidence for Aging. Science, 2005, 310, 441-443.	6.0	20

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163	BIOMEDICINE: Enhanced: The Anti-Aging Sweepstakes: Catalase Runs for the ROSes. Science, 2005, 308, 1875-1876.	6.0	34
164	Quantitative Trait Locus Mapping for Age-Related Cataract Severity and Synechia Prevalence Using Four-Way Cross Mice. , 2004, 45, 1922.		18
165	Genetic Loci That Influence Cause of Death in a Heterogeneous Mouse Stock. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, B977-B983.	1.7	57
166	Hormone-Treated Snell Dwarf Mice Regain Fertility But Remain Long Lived and Disease Resistant. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2004, 59, 1244-1250.	1.7	135
167	'Accelerated aging': a primrose path to insight?. Aging Cell, 2004, 3, 47-51.	3.0	87
168	Rebuttal to Hasty and Vijg: 'Accelerating aging by mouse reverse genetics: a rational approach to understanding longevity'. Aging Cell, 2004, 3, 53-54.	3.0	9
169	Body weight, hormones and T cell subsets as predictors of life span in genetically heterogeneous mice. Mechanisms of Ageing and Development, 2004, 125, 381-390.	2.2	41
170	Roy Walford: a tribute. Experimental Gerontology, 2004, 39, 917-918.	1.2	2
171	Quantitative Trait Loci That Modulate Femoral Mechanical Properties in a Genetically Heterogeneous Mouse Population. Journal of Bone and Mineral Research, 2004, 19, 1497-1505.	3.1	47
172	Quantitative Trait Loci for Femoral Size and Shape in a Genetically Heterogeneous Mouse Population. Journal of Bone and Mineral Research, 2003, 18, 1497-1505.	3.1	59
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