

Richard A Miller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233
papers

14,788
citations

57
h-index

116
g-index

244
ext. papers

16,958
ext. citations

8
avg, IF

6.42
L-index

#	Paper	IF	Citations
233	Rapamycin, Acarbose and 17 β -estradiol share common mechanisms regulating the MAPK pathways involved in intracellular signaling and inflammation.. <i>Immunity and Ageing</i> , 2022 , 19, 8	9.7	1
232	Aging is associated with increased brain iron through cortex-derived hepcidin expression.. <i>ELife</i> , 2022 , 11,	8.9	2
231	Early Life Interventions Can Shape Aging.. <i>Frontiers in Endocrinology</i> , 2022 , 13, 797581	5.7	1
230	Regulation of mTOR complexes in long-lived growth hormone receptor knockout and Snell dwarf mice.. <i>Aging</i> , 2022 , 14,	5.6	1
229	Comparative transcriptomics reveals circadian and pluripotency networks as two pillars of longevity regulation.. <i>Cell Metabolism</i> , 2022 ,	24.6	1
228	Genomes Assembled from Metagenomes Suggest Genetic Drivers of Differential Response to Acarbose Treatment in Mice. <i>MSphere</i> , 2021 , e0085121	5	5
227	Lysosomal targetomics of mice shows chaperone-mediated autophagy degrades nucleocytosolic acetyl-coA enzymes. <i>Autophagy</i> , 2021 ,	10.2	1
226	Cap-independent translation: A shared mechanism for lifespan extension by rapamycin, acarbose, and 17 β -estradiol. <i>Aging Cell</i> , 2021 , 20, e13345	9.9	4
225	17-a-estradiol late in life extends lifespan in aging UM-HET3 male mice; nicotinamide riboside and three other drugs do not affect lifespan in either sex. <i>Aging Cell</i> , 2021 , 20, e13328	9.9	10
224	CD4 receptor diversity represents an ancient protection mechanism against primate lentiviruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
223	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. <i>ELife</i> , 2021 , 10,	8.9	11
222	Long-lived mice with reduced growth hormone signaling have a constitutive upregulation of hepatic chaperone-mediated autophagy. <i>Autophagy</i> , 2021 , 17, 612-625	10.2	7
221	NIA Interventions Testing Program: A collaborative approach for investigating interventions to promote healthy aging 2021 , 219-235		3
220	17-a-estradiol has sex-specific effects on neuroinflammation that are partly reversed by gonadectomy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	2
219	Canagliflozin increases intestinal adenoma burden in female Apc Min/+ mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	1
218	Gene-by-environment modulation of lifespan and weight gain in the murine BXD family. <i>Nature Metabolism</i> , 2021 , 3, 1217-1227	14.6	5
217	Rapamycin-mediated mouse lifespan extension: Late-life dosage regimes with sex-specific effects. <i>Aging Cell</i> , 2020 , 19, e13269	9.9	17

216	Canagliflozin extends life span in genetically heterogeneous male but not female mice. <i>JCI Insight</i> , 2020 , 5,	9.9	11
215	Acarbose has sex-dependent and -independent effects on age-related physical function, cardiac health, and lipid biology. <i>JCI Insight</i> , 2020 , 5,	9.9	5
214	Muscle-dependent regulation of adipose tissue function in long-lived growth hormone-mutant mice. <i>Aging</i> , 2020 , 12, 8766-8789	5.6	2
213	Inhibition of class I PI3K enhances chaperone-mediated autophagy. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	5
212	High-throughput small molecule screening reveals Nrf2-dependent and -independent pathways of cellular stress resistance. <i>Science Advances</i> , 2020 , 6,	14.3	5
211	signatureSearch: environment for gene expression signature searching and functional interpretation. <i>Nucleic Acids Research</i> , 2020 , 48, e124	20.1	6
210	Brain Protein Synthesis Rates in the UM-HET3 Mouse Following Treatment With Rapamycin or Rapamycin With Metformin. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 40-49	6.4	10
209	Naturally occurring osteoarthritis in male mice with an extended lifespan. <i>Connective Tissue Research</i> , 2020 , 61, 95-103	3.3	5
208	Life-span Extension Drug Interventions Affect Adipose Tissue Inflammation in Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 89-98	6.4	8
207	Acarbose improves health and lifespan in aging HET3 mice. <i>Aging Cell</i> , 2019 , 18, e12898	9.9	47
206	Changes in the gut microbiome and fermentation products concurrent with enhanced longevity in acarbose-treated mice. <i>BMC Microbiology</i> , 2019 , 19, 130	4.5	98
205	Glycine supplementation extends lifespan of male and female mice. <i>Aging Cell</i> , 2019 , 18, e12953	9.9	28
204	mTORC1 underlies age-related muscle fiber damage and loss by inducing oxidative stress and catabolism. <i>Aging Cell</i> , 2019 , 18, e12943	9.9	52
203	Cellular energetics and mitochondrial uncoupling in canine aging. <i>GeroScience</i> , 2019 , 41, 229-242	8.9	16
202	17- β -Estradiol ameliorates age-associated sarcopenia and improves late-life physical function in male mice but not in females or castrated males. <i>Aging Cell</i> , 2019 , 18, e12920	9.9	23
201	Mitochondrial DNA alterations in aged macrophage migration inhibitory factor-knockout mice. <i>Mechanisms of Ageing and Development</i> , 2019 , 182, 111126	5.6	2
200	Improved mitochondrial stress response in long-lived Snell dwarf mice. <i>Aging Cell</i> , 2019 , 18, e13030	9.9	16
199	Identification and Application of Gene Expression Signatures Associated with Lifespan Extension. <i>Cell Metabolism</i> , 2019 , 30, 573-593.e8	24.6	55

198	Cap-independent mRNA translation is upregulated in long-lived endocrine mutant mice. <i>Journal of Molecular Endocrinology</i> , 2019 , 63, 123-138	4.5	11
197	Immunoproteasome System in Aging, Lifespan, and Age-Associated Disease 2019 , 1281-1297		
196	Long term rapamycin treatment improves mitochondrial DNA quality in aging mice. <i>Experimental Gerontology</i> , 2018 , 106, 125-131	4.5	18
195	Dietary Glycine Supplementation Extends Lifespan of Genetically Heterogeneous Mice. <i>FASEB Journal</i> , 2018 , 32, 533.112	0.9	1
194	Immunoproteasome System in Aging, Lifespan, and Age-Associated Disease 2018 , 1-17		1
193	Male lifespan extension with 17- β -estradiol is linked to a sex-specific metabolomic response modulated by gonadal hormones in mice. <i>Aging Cell</i> , 2018 , 17, e12786	9.9	23
192	NIA Interventions Testing Program: Investigating Putative Aging Intervention Agents in a Genetically Heterogeneous Mouse Model. <i>EBioMedicine</i> , 2017 , 21, 3-4	8.8	55
191	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. <i>GeroScience</i> , 2017 , 39, 147-160	8.9	53
190	Mitochondrial thioredoxin reductase 2 is elevated in long-lived primate as well as rodent species and extends fly mean lifespan. <i>Aging Cell</i> , 2017 , 16, 683-692	9.9	16
189	mTOR regulates the expression of DNA damage response enzymes in long-lived Snell dwarf, GHRKO, and PAPPA-KO mice. <i>Aging Cell</i> , 2017 , 16, 52-60	9.9	35
188	Differential effects of early-life nutrient restriction in long-lived GHR-KO and normal mice. <i>GeroScience</i> , 2017 , 39, 347-356	8.9	20
187	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. <i>Cell Metabolism</i> , 2017 , 25, 1320-1333	11.65	56
186	Anti-aging drugs reduce hypothalamic inflammation in a sex-specific manner. <i>Aging Cell</i> , 2017 , 16, 652-660	9.9	43
185	Using DNA Methylation Profiling to Evaluate Biological Age and Longevity Interventions. <i>Cell Metabolism</i> , 2017 , 25, 954-960.e6	24.6	196
184	Hypothalamic growth hormone receptor (GHR) controls hepatic glucose production in nutrient-sensing leptin receptor (LepRb) expressing neurons. <i>Molecular Metabolism</i> , 2017 , 6, 393-405	8.8	23
183	Overactive mTOR signaling leads to endometrial hyperplasia in aged women and mice. <i>Oncotarget</i> , 2017 , 8, 7265-7275	3.3	21
182	Sex differences in lifespan extension with acarbose and 17- β -estradiol: gonadal hormones underlie male-specific improvements in glucose tolerance and mTORC2 signaling. <i>Aging Cell</i> , 2017 , 16, 1256-1266	9.9	47
181	Rapamycin treatment attenuates age-associated periodontitis in mice. <i>GeroScience</i> , 2017 , 39, 457-463	8.9	41

180	Diverse interventions that extend mouse lifespan suppress shared age-associated epigenetic changes at critical gene regulatory regions. <i>Genome Biology</i> , 2017 , 18, 58	18.3	119
179	Genetically heterogeneous mice show age-related vision deficits not related to increased rod cell L-type calcium channel function in vivo. <i>Neurobiology of Aging</i> , 2017 , 49, 198-203	5.6	3
178	Measures of Healthspan as Indices of Aging in Mice-A Recommendation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 427-30	6.4	61
177	Not Your Father's, or Mother's, Rodent: Moving Beyond B6. <i>Neuron</i> , 2016 , 91, 1185-1186	13.9	4
176	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an β -glucosidase inhibitor or a Nrf2-inducer. <i>Aging Cell</i> , 2016 , 15, 872-84	9.9	176
175	NIA Interventions Testing Program 2016 , 287-303		3
174	Loss of the Ubiquitin-conjugating Enzyme UBE2W Results in Susceptibility to Early Postnatal Lethality and Defects in Skin, Immune, and Male Reproductive Systems. <i>Journal of Biological Chemistry</i> , 2016 , 291, 3030-42	5.4	16
173	Mini-review: Retarding aging in murine genetic models of neurodegeneration. <i>Neurobiology of Disease</i> , 2016 , 85, 73-80	7.5	6
172	Age related increase in mTOR activity contributes to the pathological changes in ovarian surface epithelium. <i>Oncotarget</i> , 2016 , 7, 19214-27	3.3	11
171	Cell culture-based profiling across mammals reveals DNA repair and metabolism as determinants of species longevity. <i>ELife</i> , 2016 , 5,	8.9	42
170	Rapamycin Attenuates Age-associated Changes in Tibialis Anterior Tendon Viscoelastic Properties. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 858-65	6.4	23
169	Reduced expression of MYC increases longevity and enhances healthspan. <i>Cell</i> , 2015 , 160, 477-88	56.2	161
168	Organization of the Mammalian Metabolome according to Organ Function, Lineage Specialization, and Longevity. <i>Cell Metabolism</i> , 2015 , 22, 332-43	24.6	68
167	Fibroblasts from long-lived rodent species exclude cadmium. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 10-9	6.4	12
166	mTOR regulates MAPKAPK2 translation to control the senescence-associated secretory phenotype. <i>Nature Cell Biology</i> , 2015 , 17, 1205-17	23.4	372
165	Syntaxin 4 Overexpression Ameliorates Effects of Aging and High-Fat Diet on Glucose Control and Extends Lifespan. <i>Cell Metabolism</i> , 2015 , 22, 499-507	24.6	10
164	Transient early food restriction leads to hypothalamic changes in the long-lived crowded litter female mice. <i>Physiological Reports</i> , 2015 , 3, e12379	2.6	13
163	Potential Site Effects and Transgene Expression Discrepancies in Mouse Lifespan Studies. <i>Cell Metabolism</i> , 2015 , 22, 346-7	24.6	3

162	Elevated ATF4 function in fibroblasts and liver of slow-aging mutant mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 263-72	6.4	26
161	Fibroblasts From Longer-Lived Species of Primates, Rodents, Bats, Carnivores, and Birds Resist Protein Damage. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 791-9	6.4	28
160	Long-lived Snell dwarf mice display increased proteostatic mechanisms that are not dependent on decreased mTORC1 activity. <i>Aging Cell</i> , 2015 , 14, 474-82	9.9	34
159	Growth hormone modulates hypothalamic inflammation in long-lived pituitary dwarf mice. <i>Aging Cell</i> , 2015 , 14, 1045-54	9.9	52
158	Regulation of mTOR activity in Snell dwarf and GH receptor gene-disrupted mice. <i>Endocrinology</i> , 2015 , 156, 565-75	4.8	55
157	Lifespan of mice and primates correlates with immunoproteasome expression. <i>Journal of Clinical Investigation</i> , 2015 , 125, 2059-68	15.9	54
156	Fibroblasts from long-lived species of mammals and birds show delayed, but prolonged, phosphorylation of ERK. <i>Aging Cell</i> , 2014 , 13, 283-91	9.9	11
155	Rapamycin-mediated lifespan increase in mice is dose and sex dependent and metabolically distinct from dietary restriction. <i>Aging Cell</i> , 2014 , 13, 468-77	9.9	354
154	Mapping ecologically relevant social behaviours by gene knockout in wild mice. <i>Nature Communications</i> , 2014 , 5, 4569	17.4	58
153	Acarbose, 17- β -estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. <i>Aging Cell</i> , 2014 , 13, 273-82	9.9	236
152	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. <i>Endocrinology</i> , 2014 , 155, 1793-805	4.8	95
151	Long-lived crowded-litter mice exhibit lasting effects on insulin sensitivity and energy homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1305-14	6	27
150	The first international mini-symposium on methionine restriction and lifespan. <i>Frontiers in Genetics</i> , 2014 , 5, 122	4.5	15
149	Aging, Disease, and Longevity in Mice. <i>Annual Review of Gerontology and Geriatrics</i> , 2014 , 34, 93-138		8
148	Long-lived crowded-litter mice have an age-dependent increase in protein synthesis to DNA synthesis ratio and mTORC1 substrate phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E813-21	6	29
147	Differential effects of delayed aging on phenotype and striatal pathology in a murine model of Huntington disease. <i>Journal of Neuroscience</i> , 2014 , 34, 15658-68	6.6	11
146	ATF4 activity: a common feature shared by many kinds of slow-aging mice. <i>Aging Cell</i> , 2014 , 13, 1012-8	9.9	46
145	Growth hormone action predicts age-related white adipose tissue dysfunction and senescent cell burden in mice. <i>Aging</i> , 2014 , 6, 575-86	5.6	91

144	Evaluation of resveratrol, green tea extract, curcumin, oxaloacetic acid, and medium-chain triglyceride oil on life span of genetically heterogeneous mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 6-16	6.4	149
143	Sulfur-based redox alterations in long-lived Snell dwarf mice. <i>Mechanisms of Ageing and Development</i> , 2013 , 134, 321-30	5.6	26
142	Direct and indirect effects of growth hormone receptor ablation on liver expression of xenobiotic metabolizing genes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E942-50	6	16
141	Assessment of mitochondrial biogenesis and mTORC1 signaling during chronic rapamycin feeding in male and female mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 1493-501	6.4	68
140	Increased mammalian target of rapamycin complex 2 signaling promotes age-related decline in CD4 T cell signaling and function. <i>Journal of Immunology</i> , 2013 , 191, 4648-55	5.3	14
139	Assessment of protein synthesis and cellular proliferation in long-lived crowded litter mice. <i>FASEB Journal</i> , 2013 , 27, 1202.25	0.9	1
138	Nrf2-regulated antioxidant defenses in rodent models of longevity. <i>FASEB Journal</i> , 2013 , 27, 712.25	0.9	1
137	Longevity Promoting Interventions Inhibit Molecular and Functional Changes In Aging Hematopoietic Stem Cells. <i>Blood</i> , 2013 , 122, 1168-1168	2.2	
136	Ex vivo enzymatic treatment of aged CD4 T cells restores cognate T cell helper function and enhances antibody production in mice. <i>Journal of Immunology</i> , 2012 , 189, 5582-9	5.3	7
135	Alleles that modulate late life hearing in genetically heterogeneous mice. <i>Neurobiology of Aging</i> , 2012 , 33, 1842.e15-29	5.6	15
134	Rapamycin slows aging in mice. <i>Aging Cell</i> , 2012 , 11, 675-82	9.9	452
133	Fibroblasts from long-lived mutant mice exhibit increased autophagy and lower TOR activity after nutrient deprivation or oxidative stress. <i>Aging Cell</i> , 2012 , 11, 668-74	9.9	39
132	Enteric-delivered rapamycin enhances resistance of aged mice to pneumococcal pneumonia through reduced cellular senescence. <i>Experimental Gerontology</i> , 2012 , 47, 958-65	4.5	55
131	Genes against aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012 , 67, 495-502	6.4	19
130	Activation of genes involved in xenobiotic metabolism is a shared signature of mouse models with extended lifespan. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 303, E488-95	6	68
129	Dissection of complex adult traits in a mouse synthetic population. <i>Genome Research</i> , 2012 , 22, 1549-57	9.7	6
128	Augmented autophagy pathways and MTOR modulation in fibroblasts from long-lived mutant mice. <i>Autophagy</i> , 2012 , 8, 1273-4	10.2	21
127	Chronic rapamycin administration maintains mitochondrial protein synthesis in heart and skeletal muscle. <i>FASEB Journal</i> , 2012 , 26, 1075.4	0.9	

126	Age-related defects in the cytoskeleton signaling pathways of CD4 T cells. <i>Ageing Research Reviews</i> , 2011 , 10, 26-34	12	23
125	Comparative cellular biogerontology: primer and prospectus. <i>Ageing Research Reviews</i> , 2011 , 10, 181-90	12	20
124	Ex vivo enzymatic treatment of aged CD4 T cells restores antigen-driven CD69 expression and proliferation in mice. <i>Immunobiology</i> , 2011 , 216, 66-71	3.4	3
123	Rapamycin, but not resveratrol or simvastatin, extends life span of genetically heterogeneous mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 191-201	6.4	648
122	Resistance of skin fibroblasts to peroxide and UV damage predicts hearing loss in aging mice. <i>Ageing Cell</i> , 2011 , 10, 362-3	9.9	3
121	Preservation of femoral bone thickness in middle age predicts survival in genetically heterogeneous mice. <i>Ageing Cell</i> , 2011 , 10, 383-91	9.9	8
120	Heightened induction of proapoptotic signals in response to endoplasmic reticulum stress in primary fibroblasts from a mouse model of longevity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 30344-30351	5.4	27
119	Hepatic response to oxidative injury in long-lived Ames dwarf mice. <i>FASEB Journal</i> , 2011 , 25, 398-408	0.9	28
118	Fibroblasts from long-lived bird species are resistant to multiple forms of stress. <i>Journal of Experimental Biology</i> , 2011 , 214, 1902-10	3	62
117	Functional linkages for the pace of life, life-history, and environment in birds. <i>Integrative and Comparative Biology</i> , 2010 , 50, 855-68	2.8	69
116	Macrophage migration inhibitory factor-knockout mice are long lived and respond to caloric restriction. <i>FASEB Journal</i> , 2010 , 24, 2436-42	0.9	46
115	Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in long-lived mutant mice. <i>FASEB Journal</i> , 2010 , 24, 5073-9	0.9	107
114	Nrf2 signaling, a mechanism for cellular stress resistance in long-lived mice. <i>Molecular and Cellular Biology</i> , 2010 , 30, 871-84	4.8	114
113	Early life growth hormone treatment shortens longevity and decreases cellular stress resistance in long-lived mutant mice. <i>FASEB Journal</i> , 2010 , 24, 5073-5079	0.9	8
112	"Dividends" from research on aging--can biogerontologists, at long last, find something useful to do?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 157-60	6.4	23
111	Life-span extension in mice by preweaning food restriction and by methionine restriction in middle age. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 711-22	6.4	197
110	Endocrine regulation of heat shock protein mRNA levels in long-lived dwarf mice. <i>Mechanisms of Ageing and Development</i> , 2009 , 130, 393-400	5.6	43
109	Mechanisms of stress resistance in Snell dwarf mouse fibroblasts: enhanced antioxidant and DNA base excision repair capacity, but no differences in mitochondrial metabolism. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1109-18	7.8	23

108	Fibroblasts from long-lived mutant mice show diminished ERK1/2 phosphorylation but exaggerated induction of immediate early genes. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 1753-61	7.8	30
107	Age-related changes in lck-Vav signaling pathways in mouse CD4 T cells. <i>Cellular Immunology</i> , 2009 , 259, 100-4	4.4	8
106	Rapamycin fed late in life extends lifespan in genetically heterogeneous mice. <i>Nature</i> , 2009 , 460, 392-5	50.4	2616
105	Cell stress and aging: new emphasis on multiplex resistance mechanisms. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 179-82	6.4	54
104	Nordihydroguaiaretic acid and aspirin increase lifespan of genetically heterogeneous male mice. <i>Aging Cell</i> , 2008 , 7, 641-50	9.9	234
103	How long will my mouse live? Machine learning approaches for prediction of mouse life span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 895-906	6.4	17
102	Fibroblasts from naked mole-rats are resistant to multiple forms of cell injury, but sensitive to peroxide, ultraviolet light, and endoplasmic reticulum stress. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 232-41	6.4	91
101	Cells from long-lived mutant mice exhibit enhanced repair of ultraviolet lesions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008 , 63, 219-31	6.4	29
100	New model of health promotion and disease prevention for the 21st century. <i>BMJ, The</i> , 2008 , 337, a399	5.9	89
99	Inhibition of retinoic acid-induced skin irritation in calorie-restricted mice. <i>Archives of Dermatological Research</i> , 2008 , 300, 27-35	3.3	9
98	Skin-derived fibroblasts from long-lived species are resistant to some, but not all, lethal stresses and to the mitochondrial inhibitor rotenone. <i>Aging Cell</i> , 2007 , 6, 1-13	9.9	115
97	An Aging Interventions Testing Program: study design and interim report. <i>Aging Cell</i> , 2007 , 6, 565-75	9.9	143
96	Age-related defects in moesin/ezrin cytoskeletal signals in mouse CD4 T cells. <i>Journal of Immunology</i> , 2007 , 179, 6403-9	5.3	22
95	PohnB6F1: a cross of wild and domestic mice that is a new model of extended female reproductive life span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 1187-98	6.4	21
94	Quantitative trait loci modulate vertebral morphology and mechanical properties in a population of 18-month-old genetically heterogeneous mice. <i>Bone</i> , 2007 , 40, 433-43	4.7	11
93	Extended longevity of wild-derived mice is associated with peroxidation-resistant membranes. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 653-7	5.6	61
92	Stress resistance and aging: influence of genes and nutrition. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 687-94	5.6	66
91	Correlated resistance to glucose deprivation and cytotoxic agents in fibroblast cell lines from long-lived pituitary dwarf mice. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 821-9	5.6	31

90	Three-locus and four-locus QTL interactions influence mouse insulin-like growth factor-I. <i>Physiological Genomics</i> , 2006 , 26, 46-54	3.6	26
89	Genetic modulation of hormone levels and life span in hybrids between laboratory and wild-derived mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 1019-29	6.4	35
88	Fibroblasts from long-lived Snell dwarf mice are resistant to oxygen-induced in vitro growth arrest. <i>Aging Cell</i> , 2006 , 5, 89-96	9.9	42
87	CD43-independent augmentation of mouse T-cell function by glycoprotein cleaving enzymes. <i>Immunology</i> , 2006 , 119, 178-86	7.8	11
86	Enhancement of CD8 T-cell function through modifying surface glycoproteins in young and old mice. <i>Immunology</i> , 2006 , 119, 187-94	7.8	20
85	Principles of Animal Use for Gerontological Research 2006 , 21-31		6
84	Biomedicine. The anti-aging sweepstakes: catalase runs for the ROSes. <i>Science</i> , 2005 , 308, 1875-6	33.3	25
83	Signal transduction in the aging immune system. <i>Current Opinion in Immunology</i> , 2005 , 17, 486-91	7.8	63
82	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. <i>Aging Cell</i> , 2005 , 4, 119-25	9.9	534
81	Genetic approaches to the study of aging. <i>Journal of the American Geriatrics Society</i> , 2005 , 53, S284-6	5.6	11
80	Science fact and the SENS agenda. What can we reasonably expect from ageing research?. <i>EMBO Reports</i> , 2005 , 6, 1006-8	6.5	54
79	T cells in aging mice: genetic, developmental, and biochemical analyses. <i>Immunological Reviews</i> , 2005 , 205, 94-103	11.3	37
78	Hyperglycemia, impaired glucose tolerance and elevated glycated hemoglobin levels in a long-lived mouse stock. <i>Experimental Gerontology</i> , 2005 , 40, 303-14	4.5	14
77	Age-associated changes in glycosylation of CD43 and CD45 on mouse CD4 T cells. <i>European Journal of Immunology</i> , 2005 , 35, 622-31	6.1	43
76	Growth and Aging: Why Do Big Dogs Die Young? 2005 , 512-533		4
75	Fibroblast cell lines from young adult mice of long-lived mutant strains are resistant to multiple forms of stress. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 289, E23-9	6	200
74	A glycoprotein endopeptidase enhances calcium influx and cytokine production by CD4+ T cells of old and young mice. <i>International Immunology</i> , 2005 , 17, 983-91	4.9	10
73	Evaluating evidence for aging. <i>Science</i> , 2005 , 310, 441-3; author reply 441-3	33.3	17

72	Quantitative trait locus mapping for age-related cataract severity and synechia prevalence using four-way cross mice. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 1922-9		17
71	Genetic loci that influence cause of death in a heterogeneous mouse stock. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004 , 59, 977-83	6.4	42
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4	High throughput small molecule screening reveals NRF2-dependent and - independent pathways of cellular stress resistance		1
3	Muribaculaceae genomes assembled from metagenomes suggest genetic drivers of differential response to acarbose treatment in mice		1
2	Changes in the gut microbiota and fermentation products associated with enhanced longevity in acarbose-treated mice		2
1	Gene-by-environmental modulation of longevity and weight gain in the murine BXD family		5

