Linda Partridge

List of Publications by Citations

346 papers	43,017 citations	98 h-index	202 g-index
404 ext. papers	50,613 ext. citations	12.4 avg, IF	7.78 L-index

#	Paper	IF	Citations
346	The hallmarks of aging. *Cell*, **2013**, 153, 1194-217	56.2	7165
345	Extending healthy life span--from yeast to humans. *Science*, **2010**, 328, 321-6	33.3	2029
344	Cost of mating in Drosophila melanogaster females is mediated by male accessory gland products. *Nature*, **1995**, 373, 241-4	50.4	1138
343	Extension of life-span by loss of CHICO, a Drosophila insulin receptor substrate protein. *Science*, **2001**, 292, 104-6	33.3	1128
342	Ribosomal protein S6 kinase 1 signaling regulates mammalian life span. *Science*, **2009**, 326, 140-4	33.3	866
341	Ageing as a risk factor for disease. *Current Biology*, **2012**, 22, R741-52	6.3	780
340	Promoting health and longevity through diet: from model organisms to humans. *Cell*, **2015**, 161, 106-118	56.2	730
339	Mechanisms of life span extension by rapamycin in the fruit fly Drosophila melanogaster. *Cell Metabolism*, **2010**, 11, 35-46	24.6	709
338	Longer lifespan, altered metabolism, and stress resistance in Drosophila from ablation of cells making insulin-like ligands. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 3105-10	11.5	599
337	Unraveling the biological roles of reactive oxygen species. *Cell Metabolism*, **2011**, 13, 361-366	24.6	542
336	Absence of effects of Sir2 overexpression on lifespan in C. elegans and Drosophila. *Nature*, **2011**, 477, 482-5	50.4	517
335	Amino-acid imbalance explains extension of lifespan by dietary restriction in Drosophila. *Nature*, **2009**, 462, 1061-4	50.4	517
334	A cost of mating in female fruitflies. *Nature*, **1989**, 338, 760-761	50.4	463
333	Signaling by IL-6 promotes alternative activation of macrophages to limit endotoxemia and obesity-associated resistance to insulin. *Nature Immunology*, **2014**, 15, 423-30	19.1	462
332	Genome-wide transcript profiles in aging and calorically restricted Drosophila melanogaster. *Current Biology*, **2002**, 12, 712-23	6.3	455
331	C9orf72 repeat expansions cause neurodegeneration in Drosophila through arginine-rich proteins. *Science*, **2014**, 345, 1192-1194	33.3	454
330	Long-lived Drosophila with overexpressed dFOXO in adult fat body. *Science*, **2004**, 305, 361	33.3	439

329	Cardioprotection by S-nitrosation of a cysteine switch on mitochondrial complex I. *Nature Medicine*, **2013**, 19, 753-9	50.5	437
328	Molecular evolution and functional characterization of Drosophila insulin-like peptides. *PLoS Genetics*, **2010**, 6, e1000857	6	419
327	Demography of dietary restriction and death in Drosophila. *Science*, **2003**, 301, 1731-3	33.3	413
326	Evidence for lifespan extension and delayed age-related biomarkers in insulin receptor substrate 1 null mice. *FASEB Journal*, **2008**, 22, 807-18	0.9	408
325	Mechanisms of ageing: public or private?. *Nature Reviews Genetics*, **2002**, 3, 165-75	30.1	397
324	Genetics of longevity in model organisms: debates and paradigm shifts. *Annual Review of Physiology*, **2013**, 75, 621-44	23.1	386
323	The sex peptide of Drosophila melanogaster: female post-mating responses analyzed by using RNA interference. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9923-8	11.5	380
322	Stress-response hormesis and aging: "that which does not kill us makes us stronger". *Cell Metabolism*, **2008**, 7, 200-3	24.6	366
321	Calories do not explain extension of life span by dietary restriction in Drosophila. *PLoS Biology*, **2005**, 3, e223	9.7	360
320	Effects of resveratrol on lifespan in Drosophila melanogaster and Caenorhabditis elegans. *Mechanisms of Ageing and Development*, **2007**, 128, 546-52	5.6	358
319	Sex and death: what is the connection?. *Cell*, **2005**, 120, 461-72	56.2	345
318	Facing up to the global challenges of ageing. *Nature*, **2018**, 561, 45-56	50.4	342
317	Sexual activity reduces lifespan of male fruitflies. *Nature*, **1981**, 294, 580-582	50.4	315
316	The interaction between FOXO and SIRT1: tipping the balance towards survival. *Trends in Cell Biology*, **2004**, 14, 408-12	18.3	267
315	Dietary restriction in Drosophila. *Mechanisms of Ageing and Development*, **2005**, 126, 938-50	5.6	266
314	Male size and mating success in Drosophila melanogaster and D. pseudoobscura under field conditions. *Animal Behaviour*, **1987**, 35, 468-476	2.8	263
313	Superoxide and hydrogen peroxide production by Drosophila mitochondria. *Free Radical Biology and Medicine*, **2003**, 35, 938-48	7.8	260
312	A Drosophila insulin-like peptide promotes growth during nonfeeding states. *Developmental Cell*, **2009**, 17, 874-84	10.2	250

311	Lifetime mating success of male fruitflies (Drosophila melanogaster) is related to their size. *Animal Behaviour*, **1983**, 31, 871-877	2.8	245
310	Dietary restriction in long-lived dwarf flies. *Science*, **2002**, 296, 319	33.3	235
309	Effects of egg-production and of exposure to males on female survival in Drosophila melanogaster. *Journal of Insect Physiology*, **1987**, 33, 745-749	2.4	235
308	Measurement of H2O2 within living Drosophila during aging using a ratiometric mass spectrometry probe targeted to the mitochondrial matrix. *Cell Metabolism*, **2011**, 13, 340-50	24.6	231
307	A delayed wave of death from reproduction in Drosophila. *Science*, **1999**, 286, 2521-4	33.3	222
306	Role of insulin-like signalling in Drosophila lifespan. *Trends in Biochemical Sciences*, **2007**, 32, 180-8	10.3	217
305	Courtship reduces longevity of maleDrosophila melanogaster. *Animal Behaviour*, **1996**, 52, 269-278	2.8	206
304	EVOLUTION AND DEVELOPMENT OF BODY SIZE AND CELL SIZE IN DROSOPHILA MELANOGASTER IN RESPONSE TO TEMPERATURE. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 1269-1276	3.8	204
303	Optimization of dietary restriction protocols in Drosophila. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2007**, 62, 1071-81	6.4	201
302	Ageing in Drosophila: the role of the insulin/Igf and TOR signalling network. *Experimental Gerontology*, **2011**, 46, 376-81	4.5	195
301	Insulin/IGF-like signalling, the central nervous system and aging. *Biochemical Journal*, **2009**, 418, 1-12	3.8	190
300	Male size and mating success in Drosophila melanogaster: the roles of male and female behaviour. *Animal Behaviour*, **1987**, 35, 555-562	2.8	190
299	Mate choice increases a component of offspring fitness in fruit flies. *Nature*, **1980**, 283, 290-291	50.4	184
298	A holidic medium for Drosophila melanogaster. *Nature Methods*, **2014**, 11, 100-5	21.6	183
297	Genetic and environmental responses to temperature of Drosophila melanogaster from a latitudinal cline. *Genetics*, **1997**, 146, 881-90	4	182
296	Interactions of mating, egg production and death rates in females of the Mediterranean fruit fly, Ceratitis capitata. *Proceedings of the Royal Society B: Biological Sciences*, **1998**, 265, 1879-94	4.4	178
295	Sex differences in the effect of dietary restriction on life span and mortality rates in female and male Drosophila melanogaster. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2004**, 59, 3-9	6.4	169
294	Evolutionary Responses of the Life History of Wild-CaughtDrosophila melanogasterto Two Standard Methods of Laboratory Culture. *American Naturalist*, **2000**, 156, 341-353	3.7	167

293	DIRECT AND CORRELATED RESPONSES TO SELECTION ON AGE AT REPRODUCTION IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 76-91	3.8	167
292	THERMAL SENSITIVITY OF DROSOPHILA MELANOGASTER RESPONDS RAPIDLY TO LABORATORY NATURAL SELECTION. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 751-756	3.8	166
291	Evolutionary conservation of regulated longevity assurance mechanisms. *Genome Biology*, **2007**, 8, R132	18.3	159
290	Quantification of food intake in Drosophila. *PLoS ONE*, **2009**, 4, e6063	3.7	157
289	Another set of responses and correlated responses to selection on age at reproduction in Drosophila melanogaster. *Proceedings of the Royal Society B: Biological Sciences*, **1999**, 266, 255-61	4.4	156
288	Limits to natural selection. *BioEssays*, **2000**, 22, 1075-84	4.1	153
287	Non-mating costs of exposure to males in female Drosophila melanogaster. *Journal of Insect Physiology*, **1990**, 36, 419-425	2.4	151
286	Reduction of DILP2 in Drosophila triages a metabolic phenotype from lifespan revealing redundancy and compensation among DILPs. *PLoS ONE*, **2008**, 3, e3721	3.7	149
285	dFOXO-independent effects of reduced insulin-like signaling in Drosophila. *Aging Cell*, **2011**, 10, 735-48	9.9	147
284	Insulin/IGF signalling and ageing: seeing the bigger picture. *Current Opinion in Genetics and Development*, **2001**, 11, 287-92	4.9	147
283	Thermal evolution of rate of larval development in Drosophila melanogaster in laboratory and field populations. *Journal of Evolutionary Biology*, **1995**, 8, 315-330	2.3	144
282	Role of dFOXO in lifespan extension by dietary restriction in Drosophila melanogaster: not required, but its activity modulates the response. *Aging Cell*, **2008**, 7, 187-98	9.9	136
281	A comparison of the genetic basis of wing size divergence in three parallel body size clines of Drosophila melanogaster. *Genetics*, **1999**, 153, 1775-87	4	134
280	Dietary restriction and aging: a unifying perspective. *Cell Metabolism*, **2011**, 14, 154-60	24.6	130
279	Activation of AMPK by the putative dietary restriction mimetic metformin is insufficient to extend lifespan in Drosophila. *PLoS ONE*, **2012**, 7, e47699	3.7	129
278	Insulin signaling is necessary for vitellogenesis in Drosophila melanogaster independent of the roles of juvenile hormone and ecdysteroids: female sterility of the chico1 insulin signaling mutation is autonomous to the ovary. *Journal of Insect Physiology*, **2005**, 51, 455-64	2.4	128
277	Genome-wide gene expression in response to parasitoid attack in Drosophila. *Genome Biology*, **2005**, 6, R94	18.3	126
276	Endocrine regulation of aging and reproduction in Drosophila. *Molecular and Cellular Endocrinology*, **2009**, 299, 39-50	4.4	120

275	Small nucleoli are a cellular hallmark of longevity. *Nature Communications*, **2017**, 8, 16083	17.4	119
274	Rapid loss of stress resistance in Drosophila melanogaster under adaptation to laboratory culture. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 436-8	3.8	119
273	An examination of the effects of males on the survival and egg-production rates of female Drosophila melanogaster. *Journal of Insect Physiology*, **1986**, 32, 925-929	2.4	119
272	G-quadruplex-binding small molecules ameliorate FTD/ALS pathology and. *EMBO Molecular Medicine*, **2018**, 10, 22-31	12	119
271	Inhibition of GSK-3 ameliorates Abeta pathology in an adult-onset Drosophila model of Alzheimer's disease. *PLoS Genetics*, **2010**, 6, e1001087	6	118
270	Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism. *Genome Biology*, **2017**, 18, 56	18.3	117
269	Costing reproduction. *Animal Behaviour*, **2003**, 66, 199-204	2.8	117
268	Direct and Correlated Responses to Selection on Age at Reproduction in Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 76	3.8	117
267	Sex difference in pathology of the ageing gut mediates the greater response of female lifespan to dietary restriction. *ELife*, **2016**, 5, e10956	8.9	117
266	The Ras-Erk-ETS-Signaling Pathway Is a Drug Target for Longevity. *Cell*, **2015**, 162, 72-83	56.2	115
265	Metabolic rate is not reduced by dietary-restriction or by lowered insulin/IGF-1 signalling and is not correlated with individual lifespan in Drosophila melanogaster. *Experimental Gerontology*, **2004**, 39, 1137-43	4.5	115
264	Evolution and Development of Body Size and Cell Size in Drosophila melanogaster in Response to Temperature. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 1269	3.8	113
263	Thermal sensitivity of Drosophila melanogaster: evolutionary responses of adults and eggs to laboratory natural selection at different temperatures. *Physiological Zoology*, **1997**, 70, 403-14		110
262	Life-history consequences of egg size in Drosophila melanogaster. *American Naturalist*, **1997**, 150, 250-82	3.7	109
261	Dietary restriction in Drosophila: delayed aging or experimental artefact?. *PLoS Genetics*, **2007**, 3, e57	6	109
260	The effects of exogenous antioxidants on lifespan and oxidative stress resistance in Drosophila melanogaster. *Mechanisms of Ageing and Development*, **2006**, 127, 356-70	5.6	108
259	Branched chain amino acids impact health and lifespan indirectly via amino acid balance and appetite control. *Nature Metabolism*, **2019**, 1, 532-545	14.6	105
258	The new biology of ageing. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 147-54	5.8	105

257	THERMAL EVOLUTION OF EGG SIZE IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 2338-2345	3.8	104
256	A longer and healthier life with TOR down-regulation: genetics and drugs. *Biochemical Society Transactions*, **2011**, 39, 460-5	5.1	102
255	The effect of reproductive activity on the longevity of male Drosophila melanogaster is not caused by an acceleration of ageing. *Journal of Insect Physiology*, **1985**, 31, 393-395	2.4	102
254	Lithium Promotes Longevity through GSK3/NRF2-Dependent Hormesis. *Cell Reports*, **2016**, 15, 638-650	10.6	101
253	Loss of PLA2G6 leads to elevated mitochondrial lipid peroxidation and mitochondrial dysfunction. *Brain*, **2015**, 138, 1801-16	11.2	100
252	The effects of reproduction on longevity and fertility in male Drosophila melanogaster. *Journal of Insect Physiology*, **1997**, 43, 501-512	2.4	99
251	Using the mitochondria-targeted ratiometric mass spectrometry probe MitoB to measure H2O2 in living Drosophila. *Nature Protocols*, **2012**, 7, 946-58	18.8	98
250	Beyond the evolutionary theory of ageing, from functional genomics to evo-gero. *Trends in Ecology and Evolution*, **2006**, 21, 334-40	10.9	98
249	The endosymbiont Wolbachia increases insulin/IGF-like signalling in Drosophila. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 3799-807	4.4	97
248	DILP-producing median neurosecretory cells in the Drosophila brain mediate the response of lifespan to nutrition. *Aging Cell*, **2010**, 9, 336-46	9.9	96
247	BERGMANN'S RULE IN ECTOTHERMS: IS IT ADAPTIVE?. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 632-635	3.8	96
246	Feeding, fecundity and lifespan in female Drosophila melanogaster. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 1675-83	4.4	96
245	Coordinated multitissue transcriptional and plasma metabonomic profiles following acute caloric restriction in mice. *Physiological Genomics*, **2006**, 27, 187-200	3.6	95
244	Mating-induced inhibition of remating in female Mediterranean fruit flies Ceratitis capitata. *Journal of Insect Physiology*, **1999**, 45, 1021-1028	2.4	94
243	Body size and cell size in Drosophila: the developmental response to temperature. *Journal of Insect Physiology*, **1998**, 44, 1081-1089	2.4	93
242	The quest to slow ageing through drug discovery. *Nature Reviews Drug Discovery*, **2020**, 19, 513-532	64.1	91
241	Benchmarks for ageing studies. *Nature*, **2007**, 450, 165-7	50.4	91
240	Dynamics of the action of dFOXO on adult mortality in Drosophila. *Aging Cell*, **2007**, 6, 429-38	9.9	90

239	New model of health promotion and disease prevention for the 21st century. *BMJ, The*, **2008**, 337, a399	5.9	89
238	Nonclinality of molecular variation implicates selection in maintaining a morphological cline of Drosophila melanogaster. *Genetics*, **2001**, 158, 319-23	4	89
237	Genome-wide dFOXO targets and topology of the transcriptomic response to stress and insulin signalling. *Molecular Systems Biology*, **2011**, 7, 502	12.2	87
236	Horizons in the evolution of aging. *BMC Biology*, **2018**, 16, 93	7.3	86
235	Dietary restriction, mortality trajectories, risk and damage. *Mechanisms of Ageing and Development*, **2005**, 126, 35-41	5.6	86
234	Dietary Protein, Metabolism, and Aging. *Annual Review of Biochemistry*, **2016**, 85, 5-34	29.1	83
233	No influence of Indy on lifespan in Drosophila after correction for genetic and cytoplasmic background effects. *PLoS Genetics*, **2007**, 3, e95	6	82
232	RESPONSES AND CORRELATED RESPONSES TO ARTIFICIAL SELECTION ON THORAX LENGTH IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 213-226	3.8	82
231	Life history response of Mediterranean fruit flies to dietary restriction. *Aging Cell*, **2002**, 1, 140-8	9.9	81
230	Lifespan extension by dietary restriction in female Drosophila melanogaster is not caused by a reduction in vitellogenesis or ovarian activity. *Experimental Gerontology*, **2004**, 39, 1011-9	4.5	80
229	Messages from mortality: the evolution of death rates in the old. *Trends in Ecology and Evolution*, **1999**, 14, 438-442	10.9	80
228	Diet, metabolism and lifespan in Drosophila. *Experimental Gerontology*, **2005**, 40, 857-62	4.5	79
227	Lack of correlation between mitochondrial reactive oxygen species production and life span in Drosophila. *Annals of the New York Academy of Sciences*, **2004**, 1019, 388-91	6.5	77
226	Direct Keap1-Nrf2 disruption as a potential therapeutic target for Alzheimer's disease. *PLoS Genetics*, **2017**, 13, e1006593	6	76
225	Gender and longevity: why do men die earlier than women? Comparative and experimental evidence. *Best Practice and Research in Clinical Endocrinology and Metabolism*, **2013**, 27, 467-79	6.5	76
224	Lifespan extension by increased expression of the Drosophila homologue of the IGFBP7 tumour suppressor. *Aging Cell*, **2011**, 10, 137-47	9.9	76
223	Effect of a standardised dietary restriction protocol on multiple laboratory strains of Drosophila melanogaster. *PLoS ONE*, **2009**, 4, e4067	3.7	76
222	Matching Dietary Amino Acid Balance to the In Silico-Translated Exome Optimizes Growth and Reproduction without Cost to Lifespan. *Cell Metabolism*, **2017**, 25, 610-621	24.6	74

221	Gene-environment interaction for body size and larval density in Drosophila melanogaster: an investigation of effects on development time, thorax length and adult sex ratio. *Heredity*, **1994**, 72 (Pt 5), 515-21	3.6	74
220	Changes of mitochondrial ultrastructure and function during ageing in mice and. *ELife*, **2017**, 6,	8.9	73
219	Ageing: levelling of the grim reaper. *Current Biology*, **1997**, 7, R440-2	6.3	73
218	Starvation resistance and adult body composition in a latitudinal cline of Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 1819-24	3.8	73
217	Drosophila as a model for ageing. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 2707-2717	6.9	72
216	Cellular basis of wing size variation in Drosophila melanogaster: a comparison of latitudinal clines on two continents. *Heredity*, **2000**, 84 (Pt 3), 338-47	3.6	71
215	RESISTANCE OF GENETIC CORRELATION STRUCTURE TO DIRECTIONAL SELECTION IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1990**, 44, 1990-2003	3.8	71
214	MTERF3 regulates mitochondrial ribosome biogenesis in invertebrates and mammals. *PLoS Genetics* , **2013**, 9, e1003178	6	70
213	Patterns of diversity and linkage disequilibrium within the cosmopolitan inversion In(3R)Payne in Drosophila melanogaster are indicative of coadaptation. *Genetics*, **2006**, 172, 1655-63	4	70
212	Replication of extended lifespan phenotype in mice with deletion of insulin receptor substrate 1. *PLoS ONE*, **2011**, 6, e16144	3.7	70
211	Longevity GWAS Using the Drosophila Genetic Reference Panel. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 1470-8	6.4	69
210	Measuring reproductive costs. *Trends in Ecology and Evolution*, **1992**, 7, 99-100	10.9	69
209	Individual differences in feeding efficiencies and feeding preferences of captive great tits. *Animal Behaviour*, **1976**, 24, 230-240	2.8	69
208	Autophagy in healthy aging and disease.. *Nature Aging*, **2021**, 1, 634-650		69
207	A Drosophila Model of Neuronopathic Gaucher Disease Demonstrates Lysosomal-Autophagic Defects and Altered mTOR Signalling and Is Functionally Rescued by Rapamycin. *Journal of Neuroscience*, **2016**, 36, 11654-11670	6.6	68
206	Thermal Evolution of Egg Size in Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **1996**, 50, 2338	3.8	68
205	Estimation of the Thermal Niche of Drosophila melanogaster Using a Temperature-Sensitive Mutation. *American Naturalist*, **1987**, 130, 83-90	3.7	67
204	The Acp26Aa seminal fluid protein is a modulator of early egg hatchability in Drosophila melanogaster. *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 1647-54	4.4	66

203	Interpreting interactions between treatments that slow aging. *Aging Cell*, **2002**, 1, 1-9	9.9	65
202	Counting the calories: the role of specific nutrients in extension of life span by food restriction. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2005**, 60, 549-55	6.4	64
201	Biomarkers of aging in Drosophila. *Aging Cell*, **2010**, 9, 466-477	9.9	63
200	QTL mapping reveals a striking coincidence in the positions of genomic regions associated with adaptive variation in body size in parallel clines of Drosophila melanogaster on different continents. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2653-8	3.8	63
199	Assessing the Mitochondrial Membrane Potential in Cells and In Vivo using Targeted Click Chemistry and Mass Spectrometry. *Cell Metabolism*, **2016**, 23, 379-85	24.6	62
198	RAPID LABORATORY EVOLUTION OF ADULT LIFE-HISTORY TRAITS IN DROSOPHILA MELANOGASTER IN RESPONSE TO TEMPERATURE. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 538-544	3.8	62
197	Regulation of lifespan, metabolism, and stress responses by the Drosophila SH2B protein, Lnk. *PLoS Genetics*, **2010**, 6, e1000881	6	61
196	Habitat selection in titmice. *Nature*, **1974**, 247, 573-574	50.4	61
195	Flight activity, mortality rates, and lipoxidative damage in Drosophila. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 136-45	6.4	59
194	No extension of lifespan by ablation of germ line in Drosophila. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 939-47	4.4	58
193	Short-Term, Intermittent Fasting Induces Long-Lasting Gut Health and TOR-Independent Lifespan Extension. *Current Biology*, **2018**, 28, 1714-1724.e4	6.3	58
192	Different cell size and cell number contribution in two newly established and one ancient body size cline of Drosophila subobscura. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 566-73	3.8	57
191	Correlated responses to selection on body size in Drosophila melanogaster. *Genetical Research*, **1999**, 74, 43-54	1.1	56
190	Responses and Correlated Responses to Artificial Selection on Thorax Length in Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 213	3.8	55
189	Increased Glucose Transport into Neurons Rescues A Toxicity in Drosophila. *Current Biology*, **2016**, 26, 2291-300	6.3	54
188	RPS25 is required for efficient RAN translation of C9orf72 and other neurodegenerative disease-associated nucleotide repeats. *Nature Neuroscience*, **2019**, 22, 1383-1388	25.5	54
187	Science fact and the SENS agenda. What can we reasonably expect from ageing research?. *EMBO Reports*, **2005**, 6, 1006-8	6.5	54
186	Lowered insulin signalling ameliorates age-related sleep fragmentation in Drosophila. *PLoS Biology*, **2014**, 12, e1001824	9.7	53

185	Rapid laboratory evolution of adult wing area in Drosophila melanogaster in response to humidity. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 932-6	3.8	52
184	Remating and male-derived nutrients in Drosophila melanogaster. *Journal of Evolutionary Biology*, **1994**, 7, 51-69	2.3	52
183	A courtship advantage for small males in Drosophila subobscura. *Animal Behaviour*, **1988**, 36, 1190-1197	2.8	52
182	Testing for asymmetrical gene flow in a Drosophila melanogaster body-size cline. *Genetics*, **2003**, 165, 667-73	4	52
181	Acetylation mimic of lysine 280 exacerbates human Tau neurotoxicity in vivo. *Scientific Reports*, **2016**, 6, 22685	4.9	52
180	C9orf72 arginine-rich dipeptide proteins interact with ribosomal proteins in vivo to induce a toxic translational arrest that is rescued by eIF1A. *Acta Neuropathologica*, **2019**, 137, 487-500	14.3	52
179	Two forms of death in ageing Caenorhabditis elegans. *Nature Communications*, **2017**, 8, 15458	17.4	48
178	Interplay of dFOXO and two ETS-family transcription factors determines lifespan in Drosophila melanogaster. *PLoS Genetics*, **2014**, 10, e1004619	6	47
177	Invertebrate models of age-related muscle degeneration. *Biochimica Et Biophysica Acta - General Subjects*, **2009**, 1790, 1084-94	4	47
176	An effect of egg-deposition on the subsequent fertility and remating frequency of female Drosophila melanogaster. *Journal of Insect Physiology*, **1988**, 34, 821-828	2.4	47
175	Lithium suppresses A□pathology by inhibiting translation in an adult Drosophila model of Alzheimer's disease. *Frontiers in Aging Neuroscience*, **2014**, 6, 190	5.3	46
174	Insulin signalling regulates remating in female Drosophila. *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 424-31	4.4	46
173	The bicoid stability factor controls polyadenylation and expression of specific mitochondrial mRNAs in Drosophila melanogaster. *PLoS Genetics*, **2011**, 7, e1002324	6	46
172	Sense and antisense RNA are not toxic in Drosophila models of C9orf72-associated ALS/FTD. *Acta Neuropathologica*, **2018**, 135, 445-457	14.3	45
171	Death and dessert: nutrient signalling pathways and ageing. *Current Opinion in Cell Biology*, **2011**, 23, 738-43	9	45
170	Intervening in ageing to prevent the diseases of ageing. *Trends in Endocrinology and Metabolism*, **2014**, 25, 555-7	8.8	43
169	Transfer of molecules from ejaculate to females in Drosophila melanogaster and Drosophila pseudoobscura. *Journal of Insect Physiology*, **1987**, 33, 941-947	2.4	43
168	Rapid Laboratory Evolution of Adult Life-History Traits in Drosophila melanogaster in Response to Temperature. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 538	3.8	42

167	Field and laboratory observations on the foraging and feeding techniques of blue tits (Parus caeruleus) and coal tits (P. ater) in relation to their habitats. *Animal Behaviour*, **1976**, 24, 534-544	2.8	42
166	Genetic models of C9orf72: what is toxic?. *Current Opinion in Genetics and Development*, **2017**, 44, 92-101	4.9	41
165	Cell-nonautonomous effects of dFOXO/DAF-16 in aging. *Cell Reports*, **2014**, 6, 608-16	10.6	41
164	Comment on "Brain IRS2 signaling coordinates life span and nutrient homeostasis". *Science*, **2008**, 320, 1012; author reply 1012	33.3	41
163	Fasting, but Not Aging, Dramatically Alters the Redox Status of Cysteine Residues on Proteins in Drosophila melanogaster. *Cell Reports*, **2015**, 11, 1856-65	10.6	39
162	Genetic variation for total fitness in Drosophila melanogaster. *Proceedings of the Royal Society B: Biological Sciences*, **1997**, 264, 191-9	4.4	39
161	A triple drug combination targeting components of the nutrient-sensing network maximizes longevity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 20817-20819	11.5	38
160	The evolution of longevity. *Current Biology*, **2002**, 12, R544-6	6.3	38
159	Male mating success and fertility in Drosophila melanogaster. *Genetical Research*, **1985**, 46, 279-285	1.1	38
158	Gene expression-based drug repurposing to target aging. *Aging Cell*, **2018**, 17, e12819	9.9	37
157	Computational analysis of alpha-helical membrane protein structure: implications for the prediction of 3D structural models. *Protein Engineering, Design and Selection*, **2004**, 17, 613-24	1.9	37
156	Bidirectional nucleolar dysfunction in C9orf72 frontotemporal lobar degeneration. *Acta Neuropathologica Communications*, **2017**, 5, 29	7.3	36
155	An Insulin-Sensitive Circular RNA that Regulates Lifespan in Drosophila. *Molecular Cell*, **2020**, 79, 268-279.e5	17.5	36
154	Ageing as a risk factor for ALS/FTD. *Human Molecular Genetics*, **2017**, 26, R105-R113	5.6	36
153	The place of genetics in ageing research. *Nature Reviews Genetics*, **2012**, 13, 589-94	30.1	36
152	Complementation between polymerase- and exonuclease-deficient mitochondrial DNA polymerase mutants in genomically engineered flies. *Nature Communications*, **2015**, 6, 8808	17.4	35
151	Mapping regions within cosmopolitan inversion In(3R)Payne associated with natural variation in body size in Drosophila melanogaster. *Genetics*, **2007**, 177, 549-56	4	35
150	EVOLUTIONARY EFFECTS OF SELECTION ON AGE AT REPRODUCTION IN LARVAL AND ADULT: DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1993**, 47, 445-455	3.8	35

149	Variation in male fertility explains an apparent effect of genotypic diversity on success in larval competition in Drosophila melanogaster. *Heredity*, **1986**, 57, 31-36	3.6	35
148	Is bacterial evolution random or selective?. *Nature*, **1988**, 336, 22-22	50.4	35
147	A nutritional memory effect counteracts benefits of dietary restriction in old mice. *Nature Metabolism*, **2019**, 1, 1059-1073	14.6	35
146	Insulin and TOR signal in parallel through FOXO and S6K to promote epithelial wound healing. *Nature Communications*, **2016**, 7, 12972	17.4	34
145	Nuclear hormone receptor DHR96 mediates the resistance to xenobiotics but not the increased lifespan of insulin-mutant Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1321-6	11.5	34
144	AN INTERACTION BETWEEN ENVIRONMENTAL TEMPERATURE AND GENETIC VARIATION FOR BODY SIZE FOR THE FITNESS OF ADULT FEMALE DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1164-1174	3.8	33
143	Laboratory adaptation of life history in Drosophila. *American Naturalist*, **2001**, 158, 657-8	3.7	33
142	Increased preferences for familiar foods in small mammals. *Animal Behaviour*, **1981**, 29, 211-216	2.8	33
141	Vascular endothelial insulin/IGF-1 signaling controls skin wound vascularization. *Biochemical and Biophysical Research Communications*, **2012**, 421, 197-202	3.4	32
140	Some highlights of research on aging with invertebrates, 2010. *Aging Cell*, **2011**, 10, 5-9	9.9	32
139	Pitfalls of measuring feeding rate in the fruit fly Drosophila melanogaster. *Nature Methods*, **2008**, 5, 214-216	32.1	32
138	Toward a control theory analysis of aging. *Annual Review of Biochemistry*, **2008**, 77, 777-98	29.1	32
137	The effect of dietary restriction on mitochondrial protein density and flight muscle mitochondrial morphology in Drosophila. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences* , **2006**, 61, 36-47	6.4	32
136	A□3 is neurotoxic and primes aggregation of A□0 in vivo. *Acta Neuropathologica*, **2015**, 130, 35-47	14.3	31
135	Tackling immunosenescence to improve COVID-19 outcomes and vaccine response in older adults. *The Lancet Healthy Longevity*, **2020**, 1, e55-e57	9.5	30
134	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. *Molecular Systems Biology*, **2017**, 13, 939	12.2	30
133	Intestinal Fork Head Regulates Nutrient Absorption and Promotes Longevity. *Cell Reports*, **2017**, 21, 641-653	10.6	29
132	Joint regulation of cell size and cell number in the wing blade of Drosophila melanogaster. *Genetical Research*, **1997**, 69, 61-8	1.1	29

131	Regulation of gene expression is preserved in aging Drosophila melanogaster. *Current Biology*, **1998**, 8, 475-8	6.3	29
130	Superoxide dismutase activities in long-lived Drosophila melanogaster females: chico1 genotypes and dietary dilution. *Biogerontology*, **2007**, 8, 201-8	4.5	29
129	Quantitative Assessment of Eye Phenotypes for Functional Genetic Studies Using Drosophila melanogaster. *G3: Genes, Genomes, Genetics*, **2016**, 6, 1427-37	3.2	29
128	Protocols to Study Aging in Drosophila. *Methods in Molecular Biology*, **2016**, 1478, 291-302	1.4	28
127	Myostatin-like proteins regulate synaptic function and neuronal morphology. *Development (Cambridge)*, **2017**, 144, 2445-2455	6.6	27
126	Nuclear hormone receptors: Roles of xenobiotic detoxification and sterol homeostasis in healthy aging. *Critical Reviews in Biochemistry and Molecular Biology*, **2015**, 50, 380-92	8.7	27
125	Ageing increases vulnerability to a□2 toxicity in Drosophila. *PLoS ONE*, **2012**, 7, e40569	3.7	27
124	Lack of response to sex-peptide results in increased cost of mating in dunce Drosophila melanogaster females. *Journal of Insect Physiology*, **1996**, 42, 1007-1015	2.4	27
123	Molecular basis of adaptive shift in body size in Drosophila melanogaster: functional and sequence analyses of the Dca gene. *Molecular Biology and Evolution*, **2011**, 28, 2393-402	8.3	26
122	Sex-specific selection on time to remate in Drosophila melanogaster. *Animal Behaviour*, **1998**, 56, 1267-1278	2.8	26
121	Drug repurposing for aging research using model organisms. *Aging Cell*, **2017**, 16, 1006-1015	9.9	25
120	Good OlNFat: Links between Lipid Signaling and Longevity. *Trends in Biochemical Sciences*, **2017**, 42, 812-823	8.3	25
119	Brief carbon dioxide exposure blocks heat hardening but not cold acclimation in Drosophila melanogaster. *Journal of Insect Physiology*, **2008**, 54, 32-40	2.4	25
118	Correcting for sequence biases in present/absent calls. *Genome Biology*, **2007**, 8, R125	18.3	25
117	A lethal side-effect. *Nature*, **2002**, 418, 921	50.4	25
116	Selection on age at reproduction in Drosophila melanogaster: female mating frequency as a correlated response. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 2152-5	3.8	25
115	Deletion of endogenous Tau proteins is not detrimental in Drosophila. *Scientific Reports*, **2016**, 6, 23102	4.9	25
114	Dietary restriction extends lifespan in wild-derived populations of Drosophila melanogaster. *PLoS ONE*, **2013**, 8, e74681	3.7	24

113	pGluA□increases accumulation of A□n vivo and exacerbates its toxicity. *Acta Neuropathologica Communications*, **2016**, 4, 109	7.3	23
112	Pseudo-acetylation of multiple sites on human Tau proteins alters Tau phosphorylation and microtubule binding, and ameliorates amyloid beta toxicity. *Scientific Reports*, **2017**, 7, 9984	4.9	22
111	Olfactory Preferences of Inbred Mice (Mus Musculus) for Their Own Strain and for Siblings: Effects of Strain, Sex and Cross-Fostering. *Behaviour*, **1981**, 78, 314-323	1.4	22
110	Mutations of mitochondrial DNA are not major contributors to aging of fruit flies. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E9620-E9629	11.5	22
109	Using the drug-protein interactome to identify anti-ageing compounds for humans. *PLoS Computational Biology*, **2019**, 15, e1006639	5	21
108	Detrimental effects of RNAi: a cautionary note on its use in Drosophila ageing studies. *PLoS ONE*, **2012**, 7, e45367	3.7	20
107	Expression of human uncoupling protein-3 in Drosophila insulin-producing cells increases insulin-like peptide (DILP) levels and shortens lifespan. *Experimental Gerontology*, **2009**, 44, 316-27	4.5	20
106	Branched-Chain Amino Acids Have Equivalent Effects to Other Essential Amino Acids on Lifespan and Aging-Related Traits in Drosophila. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 24-31	6.4	20
105	Reduced insulin/insulin-like growth factor signaling decreases translation in Drosophila and mice. *Scientific Reports*, **2016**, 6, 30290	4.9	19
104	Dietary restriction and life-span. *Science*, **2002**, 296, 2141-2; author reply 2141-2	33.3	19
103	Drosophila melanogaster LRPPRC2 is involved in coordination of mitochondrial translation. *Nucleic Acids Research*, **2014**, 42, 13920-38	20.1	18
102	Electrophysiological recordings from the giant fiber pathway of D. melanogaster. *Journal of Visualized Experiments*, **2011**,	1.6	18
101	Some highlights of research on aging with invertebrates, 2009. *Aging Cell*, **2009**, 8, 509-13	9.9	18
100	An advantage for specialist feeding in jackdaws, Corvus monedula. *Animal Behaviour*, **1987**, 35, 982-990	2.8	18
99	The new science of ageing. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 6-8	5.8	17
98	Genetic variation for total fitness in Drosophila melanogaster: complex yet replicable patterns. *Genetics*, **2005**, 169, 1553-71	4	17
97	Reduced□insulin signaling maintains electrical transmission in a neural circuit in aging flies. *PLoS Biology*, **2017**, 15, e2001655	9.7	17
96	Polymorphism in the neurofibromin gene, Nf1, is associated with antagonistic selection on wing size and development time in Drosophila melanogaster. *Molecular Ecology*, **2013**, 22, 2716-25	5.7	16

95	Long-term in vivo imaging of Drosophila larvae. *Nature Protocols*, **2020**, 15, 1158-1187	18.8	15
94	Some highlights of research on aging with invertebrates, 2008. *Aging Cell*, **2008**, 7, 605-8	9.9	15
93	A mortality cost of virginity at older ages in female Mediterranean fruit flies. *Experimental Gerontology*, **2002**, 37, 507-12	4.5	15
92	Differences in behaviour between blue and coal tits reared under identical conditions. *Animal Behaviour*, **1979**, 27, 120-125	2.8	15
91	A genetic correlation between the sexes for mating speed in Drosophila melanogaster. *Animal Behaviour*, **1992**, 43, 389-396	2.8	14
90	Failure to Replicate the Results of an Experiment on the Rare Male Effect in Drosophila menlanogaster. *American Naturalist*, **1983**, 122, 422-427	3.7	14
89	Longevity in response to lowered insulin signaling requires glycine N-methyltransferase-dependent spermidine production. *Aging Cell*, **2020**, 19, e13043	9.9	14
88	Experimental analysis of risk factors for ulcerative dermatitis in mice. *Experimental Dermatology*, **2012**, 21, 712-3	4	13
87	Mixed-Species Flocks of Birds in Hill Forest in Ceylon. *Condor*, **1976**, 78, 449	2.1	13
86	Genome-wide transcription analysis of clinal genetic variation in Drosophila. *PLoS ONE*, **2012**, 7, e34620	3.7	13
85	Using answer set programming to integrate RNA expression with signalling pathway information to infer how mutations affect ageing. *PLoS ONE*, **2012**, 7, e50881	3.7	13
84	Isogenic autosomes to be applied in optimal screening for novel mutants with viable phenotypes in Drosophila melanogaster. *Journal of Neurogenetics*, **2005**, 19, 57-85	1.6	12
83	Identifying Potential Ageing-Modulating Drugs In Silico. *Trends in Endocrinology and Metabolism*, **2019**, 30, 118-131	8.8	12
82	Myeloid Cell-Restricted Insulin/IGF-1 Receptor Deficiency Protects against Skin Inflammation. *Journal of Immunology*, **2015**, 195, 5296-5308	5.3	11
81	Longevity of Indy mutant Drosophila not attributable to Indy mutation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, E53; author reply E54	11.5	11
80	The Insulin Signaling Pathway and Aging in Drosophila. *Scientific World Journal, The*, **2001**, 1, 76	2.2	11
79	Fine-tuning autophagy maximises lifespan and is associated with changes in mitochondrial gene expression in Drosophila. *PLoS Genetics*, **2020**, 16, e1009083	6	11
78	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. *ELife*, **2021**, 10,	8.9	11

77	Sestrin is a key regulator of stem cell function and lifespan in response to dietary amino acids. *Nature Aging*, **2021**, 1, 60-72		11
76	Diet and healthy aging. *New England Journal of Medicine*, **2012**, 367, 2550-1	59.2	10
75	A functioning ovary is not required for sex peptide to reduce receptivity to mating in D. melanogaster. *Journal of Insect Physiology*, **2007**, 53, 343-8	2.4	10
74	Chemical Complexity and the Genetics of Aging. *Annual Review of Ecology, Evolution, and Systematics*, **2007**, 38, 299-326	13.5	10
73	Frequency-dependent mating preferences in female fruitflies?. *Behavior Genetics*, **1989**, 19, 725-8	3.2	10
72	A cost of receiving sperm in the female fruitfly Drosophila melanogaster. *Journal of Insect Physiology*, **1991**, 37, 471-475	2.4	10
71	Loss of miR-210 leads to progressive retinal degeneration in. *Life Science Alliance*, **2019**, 2,	5.8	10
70	A neuronal blood marker is associated with mortality in old age. *Nature Aging*, **2021**, 1, 218-225		10
69	Impact of insulin signaling and proteasomal activity on physiological output of a neuronal circuit in aging Drosophila melanogaster. *Neurobiology of Aging*, **2018**, 66, 149-157	5.6	9
68	Comment on "Long-lived Drosophila with overexpressed dFOXO in adult fat body". *Science*, **2005**, 307, 675; author reply 675	33.3	9
67	Glycine-alanine dipeptide repeats spread rapidly in a repeat length- and age-dependent manner in the fly brain. *Acta Neuropathologica Communications*, **2019**, 7, 209	7.3	9
66	The neuronal receptor tyrosine kinase Alk is a target for longevity. *Aging Cell*, **2020**, 19, e13137	9.9	9
65	Some highlights of research on aging with invertebrates, 2006-2007. *Aging Cell*, **2007**, 6, 595-8	9.9	8
64	Pervasive effects of P element mutagenesis on body size in Drosophila melanogaster. *Genetical Research*, **1998**, 72, 19-24	1.1	8
63	Chromatin remodeling due to degradation of citrate carrier impairs osteogenesis of aged mesenchymal stem cells. *Nature Aging*, **2021**, 1, 810-825		8
62	Complex roles of myoglianin in regulating adult performance and lifespan. *Fly*, **2017**, 11, 284-289	1.3	7
61	Comment by Matthew Piper, William Mair, Linda Partridge on Min, K.J., Flatt, T., Kulaots, I., Tatar, M. (2006) "Counting calories in Drosophila dietary restriction"Exp. Gerontology, doi:10.1016/j.exger.2006.10.009. *Experimental Gerontology*, **2007**, 42, 253-5	4.5	7
60	Models of insulin signalling and longevity. *Drug Discovery Today: Disease Models*, **2005**, 2, 249-256	1.3	7

59	Effects of nutrition and peripheral stimuli on preferences for familiar foods in the bank vole. *Animal Behaviour*, **1981**, 29, 217-220	2.8	7
58	The Functions of Insulin-like Peptides in Insects. *Research and Perspectives in Endocrine Interactions*, **2010**, 105-124		7
57	Regulation of the one carbon folate cycle as a shared metabolic signature of longevity. *Nature Communications*, **2021**, 12, 3486	17.4	7
56	Hepatic gene body hypermethylation is a shared epigenetic signature of murine longevity. *PLoS Genetics*, **2018**, 14, e1007766	6	7
55	A mitochondrial membrane-bridging machinery mediates signal transduction of intramitochondrial oxidation. *Nature Metabolism*, **2021**, 3, 1242-1258	14.6	7
54	SurvCurv database and online survival analysis platform update. *Bioinformatics*, **2015**, 31, 3878-80	7.2	6
53	Chemical changes in aging Drosophila melanogaster. *Age*, **2009**, 31, 343-51		6
52	Stage debut for the elusive Drosophila insulin-like growth factor binding protein. *Journal of Biology*, **2008**, 7, 18		6
51	Haldane's rule and the hazards of heterogamety. *Current Biology*, **1993**, 3, 56-8	6.3	6
50	Functional conservation in genes and pathways linking ageing and immunity. *Immunity and Ageing*, **2021**, 18, 23	9.7	6
49	Using doubly-labeled water to measure energy expenditure in an important small ectotherm Drosophila melanogaster. *Journal of Genetics and Genomics*, **2014**, 41, 505-12	4	5
48	Antagonizing Methuselah to extend life span. *Genome Biology*, **2007**, 8, 222	18.3	5
47	RAPID LABORATORY EVOLUTION OF ADULT WING AREA IN DROSOPHILA MELANOGASTER IN RESPONSE TO HUMIDITY. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 932	3.8	5
46	DIFFERENT CELL SIZE AND CELL NUMBER CONTRIBUTION IN TWO NEWLY ESTABLISHED AND ONE ANCIENT BODY SIZE CLINE OF DROSOPHILA SUBOBSCURA. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 566	3.8	5
45	Genetic variation for preadult viability in Drosophila melanogaster. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1609-20	3.8	5
44	Gerontology. Mutation, variation and the evolution of ageing. *Current Biology*, **1994**, 4, 430-2	6.3	5
43	Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in. *ELife*, **2021**, 10,	8.9	5
42	Biological mechanisms of aging predict age-related disease co-occurrence in patients.. *Aging Cell*, **2022**, e13524	9.9	5

41	Of Worms, Mice & Men: Altering Rates of Aging. *Daedalus*, **2006**, 135, 40-47	2	4
40	Common genetic associations between age-related diseases. *Nature Aging*, **2021**, 1, 400-412		4
39	FoxO1 Is a Novel Regulator of 20S Proteasome Subunits Expression and Activity. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 625715	5.7	4
38	Independent glial subtypes delay development and extend healthy lifespan upon reduced insulin-PI3K signalling. *BMC Biology*, **2020**, 18, 124	7.3	3
37	Transcriptomic profiling of long- and short-lived mutant mice implicates mitochondrial metabolism in ageing and shows signatures of normal ageing in progeroid mice. *Mechanisms of Ageing and Development*, **2021**, 194, 111437	5.6	3
36	Tissue-specific modulation of gene expression in response to lowered insulin signalling in. *ELife*, **2021**, 10,	8.9	3
35	Data-driven identification of ageing-related diseases from electronic health records. *Scientific Reports*, **2021**, 11, 2938	4.9	3
34	PICALM rescues glutamatergic neurotransmission, behavioural function and survival in a Drosophila model of A42 toxicity. *Human Molecular Genetics*, **2020**, 29, 2420-2434	5.6	2
33	Genes, pathways and metabolism in ageing. *Drug Discovery Today: Disease Models*, **2013**, 10, e87-e93	1.3	2
32	Dietary Restriction: Standing Up for Sirtuins--Response. *Science*, **2010**, 329, 1013-1013	33.3	2
31	Dietary Restriction: Theory Fails to Satiate--Response. *Science*, **2010**, 329, 1015-1015	33.3	2
30	Behavioural genetics: molecular genetics meets feeding ecology. *Current Biology*, **1998**, 8, R23-4	6.3	2
29	GENETIC VARIATION FOR PREADULT VIABILITY IN DROSOPHILA MELANOGASTER. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1609	3.8	2
28	A Computational Model of the Escape Response Latency in the Giant Fiber System of. *ENeuro*, **2019**, 6,	3.9	2
27	Deregulated mito-nuclear communication alters chromatin plasticity and differentiation potential of mesenchymal stem cells upon ageing		2
26	Ras inhibition by trametinib treatment in Drosophila attenuates gut pathology in females and extends lifespan in both sexes		2
25	Dynamic changes in the brain protein interaction network correlates with progression of A42 pathology in Drosophila. *Scientific Reports*, **2020**, 10, 18517	4.9	2
24	Activating transcription factor 4-dependent lactate dehydrogenase activation as a protective response to amyloid beta toxicity. *Brain Communications*, **2021**, 3, fcab053	4.5	2

23	Cell type-specific modulation of healthspan by Forkhead family transcription factors in the nervous system. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
22	Myc mouse and anti-ageing therapy. *Trends in Endocrinology and Metabolism*, **2015**, 26, 163-4	8.8	1
21	SELECTION ON AGE AT REPRODUCTION IN DROSOPHILA MELANOGASTER: FEMALE MATING FREQUENCY AS A CORRELATED RESPONSE. *Evolution; International Journal of Organic Evolution*, **2000**, 54, 2152	3.8	1
20	Sexual identity of enterocytes regulates rapamycin-mediated intestinal homeostasis and lifespan extension		1
19	Gene Expression-Based Drug Repurposing to Target Ageing		1
18	Common genetic associations between age-related diseases		1
17	From mutation to mechanism: deciphering the molecular function of genetic variants linked to human ageing. *Briefings in Functional Genomics*, **2021**,	4.9	1
16	Clinical trials of mTOR inhibitors to boost immunity to viral infection in older adults. *The Lancet Healthy Longevity*, **2021**, 2, e232-e233	9.5	1
15	Transposable Element Landscape in Drosophila Populations Selected for Longevity. *Genome Biology and Evolution*, **2021**, 13,	3.9	1
14	Lithium can mildly increase health during ageing but not lifespan in mice. *Aging Cell*, **2021**, 20, e13479	9.9	1
13	Reply: Glial mitochondropathy in infantile neuroaxonal dystrophy: pathophysiological and therapeutic implications. *Brain*, **2016**, 139, e68	11.2	
12	Genetics of Aging in Drosophila **2003**, 125-161		
11	Aging, Sex and DNA Repair. By Carol Bernstein and Harni Bernstein . Academic Press. 1991. 382 pages. Price $44. ISBN 0 12 092840 4. - Genetic Effects on Aging II. Edited by D. E. Harrison. CRC Press. 1990. 573 pages. Price £50. ISBN 0 936923 318.. *Genetical Research*, **1993**, 62, 79-81	1.1	
10	Evolutionary Genetics and Environmental Stress. By A. A. Hoffmann and P. A. Parsons. Oxford University Press. 1991. Pp. ix + 284. Hardback £35. ISBN 0 19 857732 X.. *Genetical Research*, **1992**, 59, 63-64	1.1	
9	When evolution cannot go into reverse. *Nature*, **1987**, 329, 397-397	50.4	
8	Territorial interrogative. *Trends in Ecology and Evolution*, **1988**, 3, 317-318	10.9	
7	Unravelling animal behaviour. *Trends in Ecology and Evolution*, **1986**, 1, 81-82	10.9	
6	A novel computational approach for predicting complex phenotypes in Drosophila (starvation-sensitive and sterile) by deriving their gene expression signatures from public data. *PLoS ONE*, **2020**, 15, e0240824	3.7	

5 Parkinson's Disease: Mitochondria Parked at the ER Hit the Snooze Button. *Neuron*, **2018**, 98, 1059-1061 13.9

4 A novel computational approach for predicting complex phenotypes in Drosophila (starvation-sensitive and sterile) by deriving their gene expression signatures from public data **2020**, 15, e0240824

3 A novel computational approach for predicting complex phenotypes in Drosophila (starvation-sensitive and sterile) by deriving their gene expression signatures from public data **2020**, 15, e0240824

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