Daniel E L Promislow

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.

117 papers	4,427 citations	34 h-index	64 g-index
207 ext. papers	5,451 ext. citations	6.9 avg, IF	6.26 L-index

#	Paper	IF	Citations
117	The metabolome as a biomarker of aging in Drosophila melanogaster.. *Aging Cell*, **2022**, e13548	9.9	1
116	An open science study of ageing in companion dogs.. *Nature*, **2022**, 602, 51-57	50.4	4
115	Resilience integrates concepts in aging research.. *IScience*, **2022**, 25, 104199	6.1	0
114	A fly GWAS for purine metabolites identifies human FAM214 homolog medusa, which acts in a conserved manner to enhance hyperuricemia-driven pathologies by modulating purine metabolism and the inflammatory response.. *GeroScience*, **2022**, 1	8.9	
113	Once-daily feeding is associated with better health in companion dogs: results from the Dog Aging Project.. *GeroScience*, **2022**, 1	8.9	0
112	CorDiffViz: an R package for visualizing multi-omics differential correlation networks. *BMC Bioinformatics*, **2021**, 22, 486	3.6	0
111	Dog Models of Aging. *Annual Review of Animal Biosciences*, **2021**,	13.7	1
110	Effects of myocardial ischemia/reperfusion injury on plasma metabolomic profile during aging. *Aging Cell*, **2021**, 20, e13284	9.9	2
109	Calorie restriction prevents age-related changes in the intestinal microbiota. *Aging*, **2021**, 13, 6298-6329	5.6	3
108	Reasons for Exclusion of Apparently Healthy Mature Adult and Senior Dogs From a Clinical Trial. *Frontiers in Veterinary Science*, **2021**, 8, 651698	3.1	
107	Serotonin signaling modulates aging-associated metabolic network integrity in response to nutrient choice in Drosophila melanogaster. *Communications Biology*, **2021**, 4, 740	6.7	3
106	Healthy, Active Aging for People and Dogs. *Frontiers in Veterinary Science*, **2021**, 8, 655191	3.1	2
105	University of Washington Nathan Shock Center: innovation to advance aging research. *GeroScience*, **2021**, 43, 2161-2165	8.9	
104	Metabolic Signatures of Life Span Regulated by Mating, Sex Peptide, and Mifepristone/RU486 in Female Drosophila melanogaster. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 195-204	6.4	6
103	The Effects of Graded Levels of Calorie Restriction: XVI. Metabolomic Changes in the Cerebellum Indicate Activation of Hypothalamocerebellar Connections Driven by Hunger Responses. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 601-610	6.4	4
102	A New Concept in Diet Restriction Is Cleaning Up!. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 599-600	6.4	
101	Pterocarpus marsupium extract extends replicative lifespan in budding yeast. *GeroScience*, **2021**, 43, 2595-2609	8.9	1

100	Mifepristone Increases Life Span of Virgin Female on Regular and High-fat Diet Without Reducing Food Intake. *Frontiers in Genetics*, **2021**, 12, 751647	4.5	2
99	The Biology of Aging in Insects: From to Other Insects and Back. *Annual Review of Entomology*, **2021**,	21.8	1
98	The metabolome as a link in the genotype-phenotype map for peroxide resistance in the fruit fly, Drosophila melanogaster. *BMC Genomics*, **2020**, 21, 341	4.5	5
97	HumanitySs Best Friend: A Dog-Centric Approach to Addressing Global Challenges. *Animals*, **2020**, 10,	3.1	13
96	WilliamsSIntuition about Extrinsic Mortality Is Irrelevant. *Trends in Ecology and Evolution*, **2020**, 35, 379	10.9	0
95	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 858-866	6.4	1
94	Lifespan of companion dogs seen in three independent primary care veterinary clinics in the United States. *Canine Medicine and Genetics*, **2020**, 7, 7	2.1	11
93	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in Drosophila. *PLoS Genetics*, **2020**, 16, e1008835	6	22
92	GWAS for Lifespan and Decline in Climbing Ability in Flies upon Dietary Restriction Reveal decima as a Mediator of Insulin-like Peptide Production. *Current Biology*, **2020**, 30, 2749-2760.e3	6.3	13
91	George C. WilliamsSProblematic Model of Selection and Senescence: Time to Move on. *Trends in Ecology and Evolution*, **2020**, 35, 303-305	10.9	2
90	Body size, inbreeding, and lifespan in domestic dogs. *Conservation Genetics*, **2020**, 21, 137-148	2.6	17
89	The Effects of Graded Levels of Calorie Restriction: XIV. Global Metabolomics Screen Reveals Brown Adipose Tissue Changes in Amino Acids, Catecholamines, and Antioxidants After Short-Term Restriction in C57BL/6 Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 218-229	6.4	9
88	Biomarkers for Aging Identified in Cross-sectional Studies Tend to Be Non-causative. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 466-472	6.4	13
87	A Geroscience Perspective on COVID-19 Mortality. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, e30-e33	6.4	91
86	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in Drosophila **2020**, 16, e1008835		
85	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in Drosophila **2020**, 16, e1008835		
84	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in Drosophila **2020**, 16, e1008835		
83	Genetic and metabolomic architecture of variation in diet restriction-mediated lifespan extension in Drosophila **2020**, 16, e1008835		

82	Cross species application of quantitative neuropathology assays developed for clinical Alzheimer's disease samples. *Pathobiology of Aging & Age Related Diseases*, **2019**, 9, 1657768	1.3	1
81	Defining the impact of mutation accumulation on replicative lifespan in yeast using cancer-associated mutator phenotypes. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 3062-3071	11.5	8
80	Evolutionary Ecology of Senescence and a Reassessment of Williams' 'Extrinsic Mortality' Hypothesis. *Trends in Ecology and Evolution*, **2019**, 34, 519-530	10.9	38
79	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 16-26	6.4	6
78	Evaluation of a low-technology system to obtain morphological and mobility trial measurements in dogs and investigation of potential predictors of canine mobility. *American Journal of Veterinary Research*, **2019**, 80, 670-679	1.1	2
77	OMICS IN AGING RESEARCH: FROM BIOMARKERS TO SYSTEMS BIOLOGY. *Innovation in Aging*, **2019**, 3, S234-S234	0.1	78
76	The metabolome as a biomarker of mortality risk in the common marmoset. *American Journal of Primatology*, **2019**, 81, e22944	2.5	4
75	The companion dog as a model for human aging and mortality. *Aging Cell*, **2018**, 17, e12737	9.9	54
74	All's well that ends well: why large species have short telomeres. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	21
73	The Effects of Graded Levels of Calorie Restriction: X. Transcriptomic Responses of Epididymal Adipose Tissue. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 279-288	6.4	11
72	Recent Advances in the Systems Biology of Aging. *Antioxidants and Redox Signaling*, **2018**, 29, 973-984	8.4	6
71	Canine hyperadrenocorticism associations with signalment, selected comorbidities and mortality within North American veterinary teaching hospitals. *Journal of Small Animal Practice*, **2018**, 59, 681-690	1.6	14
70	Sarcosine Is Uniquely Modulated by Aging and Dietary Restriction in Rodents and Humans. *Cell Reports*, **2018**, 25, 663-676.e6	10.6	24
69	Age- and Genotype-Specific Effects of the Angiotensin-Converting Enzyme Inhibitor Lisinopril on Mitochondrial and Metabolic Parameters in. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	8
68	Research to Promote Longevity and Health Span in Companion Dogs: A Pediatric Perspective. *American Journal of Bioethics*, **2018**, 18, 64-65	1.1	5
67	Genetic screen identifies adaptive aneuploidy as a key mediator of ER stress resistance in yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 9586-9591	11.5	24
66	Past and present resource availability affect mating rate but not mate choice in. *Behavioral Ecology*, **2018**, 29, 1409-1414	2.3	3
65	Mate choice in fruit flies is rational and adaptive. *Nature Communications*, **2017**, 8, 13953	17.4	31

64	The effects of graded levels of calorie restriction: IX. Global metabolomic screen reveals modulation of carnitines, sphingolipids and bile acids in the liver of C57BL/6 mice. *Aging Cell*, **2017**, 16, 529-540	9.9	32
63	Asymptomatic heart valve dysfunction in healthy middle-aged companion dogs and its implications for cardiac aging. *GeroScience*, **2017**, 39, 43-50	8.9	27
62	Perceptive costs of reproduction drive ageing and physiology in male Drosophila. *Nature Ecology and Evolution*, **2017**, 1, 152	12.3	26
61	A randomized controlled trial to establish effects of short-term rapamycin treatment in 24 middle-aged companion dogs. *GeroScience*, **2017**, 39, 117-127	8.9	94
60	Proteomics and metabolomics in ageing research: from biomarkers to systems biology. *Essays in Biochemistry*, **2017**, 61, 379-388	7.6	49
59	Tissue-specific insulin signaling mediates female sexual attractiveness. *PLoS Genetics*, **2017**, 13, e1006936	5	7
58	The effects of graded levels of calorie restriction: XI. Evaluation of the main hypotheses underpinning the life extension effects of CR using the hepatic transcriptome. *Aging*, **2017**, 9, 1770-1824	5.6	23
57	The effects of graded levels of calorie restriction: VIII. Impact of short term calorie and protein restriction on basal metabolic rate in the C57BL/6 mouse. *Oncotarget*, **2017**, 8, 17453-17474	3.3	20
56	The Companion Dog as a Model for the Longevity Dividend. *Cold Spring Harbor Perspectives in Medicine*, **2016**, 6, a026633	5.4	23
55	The effects of graded levels of calorie restriction: VI. Impact of short-term graded calorie restriction on transcriptomic responses of the hypothalamic hunger and circadian signaling pathways. *Aging*, **2016**, 8, 642-63	5.6	20
54	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. *Aging*, **2016**, 8, 917-32	5.6	15
53	Plasma Metabolomics of Common Marmosets (Callithrix jacchus) to Evaluate Diet and Feeding Husbandry. *Journal of the American Association for Laboratory Animal Science*, **2016**, 55, 137-46	1.3	2
52	The effects of graded levels of calorie restriction: V. Impact of short term calorie and protein restriction on physical activity in the C57BL/6 mouse. *Oncotarget*, **2016**, 7, 19147-70	3.3	30
51	Rapamycin enhances survival in a Drosophila model of mitochondrial disease. *Oncotarget*, **2016**, 7, 80131-80139	5.9	32
50	The impacts of Wolbachia and the microbiome on mate choice in Drosophila melanogaster. *Journal of Evolutionary Biology*, **2016**, 29, 461-8	2.3	39
49	Answering evolutionary questions: A guide for mechanistic biologists. *BioEssays*, **2016**, 38, 704-11	4.1	5
48	Multiple morbidities in companion dogs: a novel model for investigating age-related disease. *Pathobiology of Aging & Age Related Diseases*, **2016**, 6, 33276	1.3	14
47	A longitudinal analysis of the effects of age on the blood plasma metabolome in the common marmoset, Callithrix jacchus. *Experimental Gerontology*, **2016**, 76, 17-24	4.5	20

46	The dog aging project: translational geroscience in companion animals. *Mammalian Genome*, **2016**, 27, 279-88	3.2	75
45	Fertile waters for aging research. *Cell*, **2015**, 160, 814-815	56.2	9
44	Immune parameter analysis of children with sickle cell disease on hydroxycarbamide or chronic transfusion therapy. *British Journal of Haematology*, **2015**, 169, 574-83	4.5	24
43	Transcriptome analysis of GVHD reveals aurora kinase A as a targetable pathway for disease prevention. *Science Translational Medicine*, **2015**, 7, 315ra191	17.5	41
42	The effects of age and dietary restriction on the tissue-specific metabolome of Drosophila. *Aging Cell*, **2015**, 14, 797-808	9.9	50
41	The effects of graded levels of calorie restriction: IV. Non-linear change in behavioural phenotype of mice in response to short-term calorie restriction. *Scientific Reports*, **2015**, 5, 13198	4.9	15
40	MetabNet: An R Package for Metabolic Association Analysis of High-Resolution Metabolomics Data. *Frontiers in Bioengineering and Biotechnology*, **2015**, 3, 87	5.8	38
39	The effects of graded levels of calorie restriction: I. impact of short term calorie and protein restriction on body composition in the C57BL/6 mouse. *Oncotarget*, **2015**, 6, 15902-30	3.3	65
38	Metabolome-wide association study of phenylalanine in plasma of common marmosets. *Amino Acids*, **2015**, 47, 589-601	3.5	36
37	Metabolic Characterization of the Common Marmoset (Callithrix jacchus). *PLoS ONE*, **2015**, 10, e0142916	3.7	20
36	The effects of graded levels of calorie restriction: II. Impact of short term calorie and protein restriction on circulating hormone levels, glucose homeostasis and oxidative stress in male C57BL/6 mice. *Oncotarget*, **2015**, 6, 23213-37	3.3	56
35	The effects of graded levels of calorie restriction: III. Impact of short term calorie and protein restriction on mean daily body temperature and torpor use in the C57BL/6 mouse. *Oncotarget*, **2015**, 6, 18314-37	3.3	38
34	Development. Chemical warfare in the battle of the sexes. *Science*, **2014**, 343, 491-2	33.3	1
33	Effects of age, sex, and genotype on high-sensitivity metabolomic profiles in the fruit fly, Drosophila melanogaster. *Aging Cell*, **2014**, 13, 596-604	9.9	86
32	Invariance and plasticity in the Drosophila melanogaster metabolomic network in response to temperature. *BMC Systems Biology*, **2014**, 8, 139	3.5	16
31	Robert L. Perlman, evolution & medicine. *Evolution, Medicine and Public Health*, **2014**, 2014, 10-1	3	
30	Characterization of plasma thiol redox potential in a common marmoset model of aging. *Redox Biology*, **2013**, 1, 387-93	11.3	20
29	The size-life span trade-off decomposed: why large dogs die young. *American Naturalist*, **2013**, 181, 492-505	3.7	103

28	Reproductive capability is associated with lifespan and cause of death in companion dogs. *PLoS ONE*, **2013**, 8, e61082	3.7	83
27	A comparative assessment of univariate longevity measures using zoological animal records. *Aging Cell*, **2012**, 11, 940-8	9.9	31
26	Mortality in north american dogs from 1984 to 2004: an investigation into age-, size-, and breed-related causes of death. *Journal of Veterinary Internal Medicine*, **2011**, 25, 187-98	3.1	200
25	Significant mobilization of both conventional and regulatory T cells with AMD3100. *Blood*, **2011**, 118, 6580-90	2.2	58
24	Mating system change reduces the strength of sexual selection in an American frontier population of the 19th century. *Evolution and Human Behavior*, **2011**, 32, 147-155	4	34
23	Evolutionary demography and quantitative genetics: age-specific survival as a threshold trait. *Proceedings of the Royal Society B: Biological Sciences*, **2011**, 278, 144-51	4.4	15
22	Kin competition, natal dispersal and the moulding of senescence by natural selection. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 3659-67	4.4	29
21	A network perspective on metabolism and aging. *Integrative and Comparative Biology*, **2010**, 50, 844-54	2.8	83
20	Evolution: aging up a tree?. *Current Biology*, **2010**, 20, R406-8	6.3	18
19	Cross-generational fitness effects of infection in Drosophila melanogaster. *Fly*, **2009**, 3, 143-50	1.3	27
18	What can genetic variation tell us about the evolution of senescence?. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 2271-8	4.4	33
17	Geographical distribution and diversity of bacteria associated with natural populations of Drosophila melanogaster. *Applied and Environmental Microbiology*, **2007**, 73, 3470-9	4.8	167
16	Evolution of alternative sex-determining mechanisms in teleost fishes. *Biological Journal of the Linnean Society*, **2006**, 87, 83-93	1.9	169
15	PHYLOGENETIC PERSPECTIVES IN THE EVOLUTION OF PARENTAL CARE IN RAY-FINNED FISHES. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 1570-1578	3.8	121
14	A regulatory network analysis of phenotypic plasticity in yeast. *American Naturalist*, **2005**, 165, 515-23	3.7	30
13	Protein networks, pleiotropy and the evolution of senescence. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 1225-34	4.4	119
12	Sex-specific effects of interventions that extend fly life span. *Science of Aging Knowledge Environment: SAGE KE*, **2004**, 2004, pe30		41
11	Life-History Variation and Demography in Western Bluebirds (Sialia Mexicana) in Oregon. *Auk*, **2004**, 121, 118-133	2.1	1

10	Mate choice, sexual conflict, and evolution of senescence. *Behavior Genetics*, **2003**, 33, 191-201	3.2	115
9	Advice to an aging scientist. *Mechanisms of Ageing and Development*, **2002**, 123, 841-50	5.6	44
8	Age-specific metabolic rates and mortality rates in the genus Drosophila. *Aging Cell*, **2002**, 1, 66-74	9.9	62
7	Direct and correlated responses to selection on age at physiological maturity in Drosophila simulans. *Journal of Evolutionary Biology*, **2000**, 13, 955-966	2.3	16
6	Age-specific effects of novel mutations in Drosophila melanogaster II. Fecundity and male mating ability. *Genetica*, **2000**, 110, 31-41	1.5	25
5	Toward reconciling inferences concerning genetic variation in senescence in Drosophila melanogaster. *Genetics*, **1999**, 152, 553-66	4	43
4	FITNESS COSTS OF FEMALE REPRODUCTION. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 1323-1326	3.8	12
3	Mortality rates of mammals. *Journal of Zoology*, **1997**, 243, 1-12	2	47
2	SENESCENCE IN NATURAL POPULATIONS OF MAMMALS: A COMPARATIVE STUDY. *Evolution; International Journal of Organic Evolution*, **1991**, 45, 1869-1887	3.8	173
1	Living fast and dying young: A comparative analysis of life-history variation among mammals. *Journal of Zoology*, **1990**, 220, 417-437	2	866