

Scott D Pletcher

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

5,700
citations

136950

32
h-index

144013

57
g-index

64
all docs

64
docs citations

64
times ranked

5985
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617.	16.2	647
2	Genome-Wide Transcript Profiles in Aging and Calorically Restricted <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 2002, 12, 712-723.	3.9	528
3	Demography of Dietary Restriction and Death in <i>Drosophila</i> . <i>Science</i> , 2003, 301, 1731-1733.	12.6	480
4	Metabolic Regulation of Gene Expression by Histone Lysine $\hat{2}$ -Hydroxybutyrylation. <i>Molecular Cell</i> , 2016, 62, 194-206.	9.7	406
5	Dietary composition specifies consumption, obesity, and lifespan in <i>Drosophila melanogaster</i> . <i>Aging Cell</i> , 2008, 7, 478-490.	6.7	391
6	Regulation of <i>Drosophila</i> Life Span by Olfaction and Food-Derived Odors. <i>Science</i> , 2007, 315, 1133-1137.	12.6	375
7	A holidic medium for <i>Drosophila melanogaster</i> . <i>Nature Methods</i> , 2014, 11, 100-105.	19.0	291
8	Why Do Life Spans Differ? Partitioning Mean Longevity Differences in Terms of Age-Specific Mortality Parameters. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2000, 55, B381-B389.	3.6	178
9	Measurement of Lifespan in <i>Drosophila melanogaster</i> . <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	162
10	The Genetic Analysis of Age-Dependent Traits: Modeling the Character Process. <i>Genetics</i> , 1999, 153, 825-835.	2.9	132
11	FLIC: High-Throughput, Continuous Analysis of Feeding Behaviors in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e101107.	2.5	130
12	Age-Specific Properties of Spontaneous Mutations Affecting Mortality in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1998, 148, 287-303.	2.9	126
13	<i>Drosophila</i> Life Span and Physiology Are Modulated by Sexual Perception and Reward. <i>Science</i> , 2014, 343, 544-548.	12.6	120
14	<i>Drosophila</i> Neuropeptide F Signaling Independently Regulates Feeding and Sleep-Wake Behavior. <i>Cell Reports</i> , 2017, 19, 2441-2450.	6.4	110
15	Dietary restriction, mortality trajectories, risk and damage. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 35-41.	4.6	96
16	High Dietary Sugar Reshapes Sweet Taste to Promote Feeding Behavior in <i>Drosophila melanogaster</i> . <i>Cell Reports</i> , 2019, 27, 1675-1685.e7.	6.4	94
17	Aging modulates cuticular hydrocarbons and sexual attractiveness in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 814-821.	1.7	88
18	MORTALITY PLATEAUS AND THE EVOLUTION OF SENESCENCE: WHY ARE OLD-AGE MORTALITY RATES SO LOW?. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 454-464.	2.3	84

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19	Water sensor <i>ppk28</i> modulates <i>Drosophila</i> lifespan and physiology through AKH signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8137-8142.	7.1	74
20	Proteomics and metabolomics in ageing research: from biomarkers to systems biology. <i>Essays in Biochemistry</i> , 2017, 61, 379-388.	4.7	74
21	Insulin Signaling Mediates Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1002684.	3.5	73
22	Dietary Effects on Cuticular Hydrocarbons and Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e49799.	2.5	73
23	Measurement of solid food intake in <i>Drosophila</i> via consumption-excretion of a dye tracer. <i>Scientific Reports</i> , 2018, 8, 11536.	3.3	70
24	Re-Patterning Sleep Architecture in <i>Drosophila</i> through Gustatory Perception and Nutritional Quality. <i>PLoS Genetics</i> , 2012, 8, e1002668.	3.5	65
25	Modulation of Longevity by Environmental Sensing. <i>Cell</i> , 2007, 131, 1231-1234.	28.9	59
26	Cell non-autonomous regulation of health and longevity. <i>ELife</i> , 2020, 9, .	6.0	52
27	Serotonin signaling mediates protein valuation and aging. <i>ELife</i> , 2016, 5, .	6.0	50
28	Carbon Dioxide Sensing Modulates Lifespan and Physiology in <i>Drosophila</i> . <i>PLoS Biology</i> , 2010, 8, e1000356.	5.6	49
29	Sensory Perception and Aging in Model Systems: From the Outside In. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 759-785.	9.4	49
30	The Evolution of Age-Specific Mortality Rates in <i>Drosophila melanogaster</i> : Genetic Divergence Among Unselected Lines. <i>Genetics</i> , 1999, 153, 813-823.	2.9	45
31	Perceptive costs of reproduction drive ageing and physiology in male <i>Drosophila</i> . <i>Nature Ecology and Evolution</i> , 2017, 1, 152.	7.8	43
32	Mate choice in fruit flies is rational and adaptive. <i>Nature Communications</i> , 2017, 8, 13953.	12.8	42
33	Positive and negative gustatory inputs affect <i>Drosophila</i> lifespan partly in parallel to dFOXO signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8143-8148.	7.1	39
34	Gustatory and metabolic perception of nutrient stress in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2587-2592.	7.1	39
35	Acute Dietary Restriction Acts via TOR, PP2A, and Myc Signaling to Boost Innate Immunity in <i>Drosophila</i> . <i>Cell Reports</i> , 2017, 20, 479-490.	6.4	36
36	MicroRNA <i>mir-184</i> and <i>let-7</i> alter <i>Drosophila</i> metabolism and longevity. <i>Aging Cell</i> , 2017, 16, 1434-1438.	6.7	35

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37	The influence of environmentally induced heterogeneity on age-specific genetic variance for mortality rates. <i>Genetical Research</i> , 2000, 75, 321-329.	0.9	34
38	Sensory perception of dead conspecifics induces aversive cues and modulates lifespan through serotonin in <i>Drosophila</i> . <i>Nature Communications</i> , 2019, 10, 2365.	12.8	32
39	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.	6.7	24
40	Neuronal-specific proteasome augmentation via Pro ¹²⁵ overexpression extends lifespan and reduces age-related cognitive decline. <i>Aging Cell</i> , 2019, 18, e13005.	6.7	23
41	Serotonin and dopamine modulate aging in response to food odor and availability. <i>Nature Communications</i> , 2022, 13, .	12.8	19
42	<i>Drosophila</i> serotonin 2A receptor signaling coordinates central metabolic processes to modulate aging in response to nutrient choice. <i>ELife</i> , 2021, 10, .	6.0	18
43	Generalized Character Process Models: Estimating the Genetic Basis of Traits That Cannot Be Observed and That Change with Age or Environmental Conditions. <i>Biometrics</i> , 2002, 58, 157-162.	1.4	17
44	Population Genomics: Ageing by Association. <i>Current Biology</i> , 2002, 12, R328-R330.	3.9	15
45	The metabolome as a link in the genotype-phenotype map for peroxide resistance in the fruit fly, <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2020, 21, 341.	2.8	14
46	The Modulation of Lifespan by Perceptual Systems. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 693-697.	3.8	13
47	Adaptive Physiological Response to Perceived Scarcity as a Mechanism of Sensory Modulation of Life Span. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1088-1091.	3.6	12
48	High-throughput small molecule screening reveals Nrf2-dependent and -independent pathways of cellular stress resistance. <i>Science Advances</i> , 2020, 6, .	10.3	12
49	Neuronal Mechanisms that Drive Organismal Aging Through the Lens of Perception. <i>Annual Review of Physiology</i> , 2020, 82, 227-249.	13.1	11
50	MATING BEHAVIOR IN <i>DROSOPHILA MELANOGASTER</i> SELECTED FOR ALTERED LONGEVITY. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 303-307.	2.3	10
51	Tissue-specific insulin signaling mediates female sexual attractiveness. <i>PLoS Genetics</i> , 2017, 13, e1006935.	3.5	10
52	Dietary yeast influences ethanol sedation in <i>Drosophila</i> via serotonergic neuron function. <i>Addiction Biology</i> , 2020, 25, e12779.	2.6	8
53	The sensory system: More than just a window to the external world. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017159.	1.4	6
54	Mitigating the Tithonus Error: Genetic Analysis of Mortality Phenotypes. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2002, 2002, 14pe-14.	0.8	6

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55	A computational approach to studying ageing at the individual level. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152346.	2.6	3
56	Serotonin signaling modulates aging-associated metabolic network integrity in response to nutrient choice in <i>Drosophila melanogaster</i> . Communications Biology, 2021, 4, 740.	4.4	3
57	Yeast volatiles double starvation survival in <i>Drosophila</i> . Science Advances, 2021, 7, .	10.3	2
58	The Role of Neurosensory Systems in the Modulation of Aging. , 2016, , 161-178.		0