

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 | Serotonin and dopamine modulate aging in response to food odor and availability. <i>Nature Communications</i> , 2022, 13, . | 12.8 | 19 |
| 2 | <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 |
| 3 | Yeast volatiles double starvation survival in <i>Drosophila</i> . <i>Science Advances</i> , 2021, 7, . | 10.3 | 2 |
| 4 | Serotonin signaling modulates aging-associated metabolic network integrity in response to nutrient choice in <i>Drosophila melanogaster</i> . <i>Communications Biology</i> , 2021, 4, 740. | 4.4 | 3 |
| 5 | Dietary yeast influences ethanol sedation in <i>Drosophila</i> via serotonergic neuron function. <i>Addiction Biology</i> , 2020, 25, e12779. | 2.6 | 8 |
| 6 | Neuronal Mechanisms that Drive Organismal Aging Through the Lens of Perception. <i>Annual Review of Physiology</i> , 2020, 82, 227-249. | 13.1 | 11 |
| 7 | High-throughput small molecule screening reveals Nrf2-dependent and -independent pathways of cellular stress resistance. <i>Science Advances</i> , 2020, 6, . | 10.3 | 12 |
| 8 | 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 |
| 9 | Cell non-autonomous regulation of health and longevity. <i>ELife</i> , 2020, 9, . | 6.0 | 52 |
| 10 | Neuronal-specific proteasome augmentation via ProS ²⁵ overexpression extends lifespan and reduces age-related cognitive decline. <i>Aging Cell</i> , 2019, 18, e13005. | 6.7 | 23 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Mate choice in fruit flies is rational and adaptive. <i>Nature Communications</i> , 2017, 8, 13953. | 12.8 | 42 |
| 15 | 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 |
| 16 | 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 |
| 17 | <i>Drosophila</i> Neuropeptide F Signaling Independently Regulates Feeding and Sleep-Wake Behavior. <i>Cell Reports</i> , 2017, 19, 2441-2450. | 6.4 | 110 |
| 18 | MicroRNA-184 and let-7 alter <i>Drosophila</i> metabolism and longevity. <i>Aging Cell</i> , 2017, 16, 1434-1438. | 6.7 | 35 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | 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 |
| 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 | Tissue-specific insulin signaling mediates female sexual attractiveness. <i>PLoS Genetics</i> , 2017, 13, e1006935. | 3.5 | 10 |
| 22 | Metabolic Regulation of Gene Expression by Histone Lysine ϵ -Hydroxybutyrylation. <i>Molecular Cell</i> , 2016, 62, 194-206. | 9.7 | 406 |
| 23 | The Role of Neurosensory Systems in the Modulation of Aging. , 2016, , 161-178. | | 0 |
| 24 | A computational approach to studying ageing at the individual level. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152346. | 2.6 | 3 |
| 25 | Serotonin signaling mediates protein valuation and aging. <i>ELife</i> , 2016, 5, . | 6.0 | 50 |
| 26 | 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 |
| 27 | 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 |
| 28 | The sensory system: More than just a window to the external world. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017159. | 1.4 | 6 |
| 29 | FLIC: High-Throughput, Continuous Analysis of Feeding Behaviors in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e101107. | 2.5 | 130 |
| 30 | 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 |
| 31 | Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617. | 16.2 | 647 |
| 32 | A holidic medium for <i>Drosophila melanogaster</i> . <i>Nature Methods</i> , 2014, 11, 100-105. | 19.0 | 291 |
| 33 | <i>Drosophila</i> Life Span and Physiology Are Modulated by Sexual Perception and Reward. <i>Science</i> , 2014, 343, 544-548. | 12.6 | 120 |
| 34 | 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 |
| 35 | Measurement of Lifespan in <i>Drosophila melanogaster</i> . <i>Journal of Visualized Experiments</i> , 2013, , . | 0.3 | 162 |
| 36 | Re-Patterning Sleep Architecture in <i>Drosophila</i> through Gustatory Perception and Nutritional Quality. <i>PLoS Genetics</i> , 2012, 8, e1002668. | 3.5 | 65 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Insulin Signaling Mediates Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1002684. | 3.5 | 73 |
| 38 | 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 |
| 39 | Dietary Effects on Cuticular Hydrocarbons and Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e49799. | 2.5 | 73 |
| 40 | 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 |
| 41 | Carbon Dioxide Sensing Modulates Lifespan and Physiology in <i>Drosophila</i> . <i>PLoS Biology</i> , 2010, 8, e1000356. | 5.6 | 49 |
| 42 | The Modulation of Lifespan by Perceptual Systems. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 693-697. | 3.8 | 13 |
| 43 | Dietary composition specifies consumption, obesity, and lifespan in <i>Drosophila melanogaster</i> . <i>Aging Cell</i> , 2008, 7, 478-490. | 6.7 | 391 |
| 44 | Modulation of Longevity by Environmental Sensing. <i>Cell</i> , 2007, 131, 1231-1234. | 28.9 | 59 |
| 45 | Regulation of <i>Drosophila</i> Life Span by Olfaction and Food-Derived Odors. <i>Science</i> , 2007, 315, 1133-1137. | 12.6 | 375 |
| 46 | Dietary restriction, mortality trajectories, risk and damage. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 35-41. | 4.6 | 96 |
| 47 | Demography of Dietary Restriction and Death in <i>Drosophila</i> . <i>Science</i> , 2003, 301, 1731-1733. | 12.6 | 480 |
| 48 | Genome-Wide Transcript Profiles in Aging and Calorically Restricted <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 2002, 12, 712-723. | 3.9 | 528 |
| 49 | Population Genomics: Ageing by Association. <i>Current Biology</i> , 2002, 12, R328-R330. | 3.9 | 15 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | The Genetic Analysis of Age-Dependent Traits: Modeling the Character Process. <i>Genetics</i> , 1999, 153, 825-835. | 2.9 | 132 |
| 56 | 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 |
| 57 | Age-Specific Properties of Spontaneous Mutations Affecting Mortality in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1998, 148, 287-303. | 2.9 | 126 |
| 58 | 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 |