

Sebastian GrÃ¶nke

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

4,440
citations

172457
29
h-index

254184
43
g-index

54
all docs

54
docs citations

54
times ranked

6000
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>C9orf72</i> repeat expansions cause neurodegeneration in <i>Drosophila</i> through arginine-rich proteins. <i>Science</i> , 2014, 345, 1192-1194.	12.6	632
2	Molecular Evolution and Functional Characterization of <i>Drosophila</i> Insulin-Like Peptides. <i>PLoS Genetics</i> , 2010, 6, e1000857.	3.5	557
3	Brummer lipase is an evolutionary conserved fat storage regulator in <i>Drosophila</i> . <i>Cell Metabolism</i> , 2005, 1, 323-330.	16.2	501
4	A <i>Drosophila</i> Insulin-like Peptide Promotes Growth during Nonfeeding States. <i>Developmental Cell</i> , 2009, 17, 874-884.	7.0	308
5	Dual Lipolytic Control of Body Fat Storage and Mobilization in <i>Drosophila</i> . <i>PLoS Biology</i> , 2007, 5, e137.	5.6	275
6	Control of Fat Storage by a <i>Drosophila</i> PAT Domain Protein. <i>Current Biology</i> , 2003, 13, 603-606.	3.9	256
7	Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism. <i>Genome Biology</i> , 2017, 18, 56.	8.8	164
8	Opposite and redundant roles of the two <i>Drosophila</i> perilipins in lipid mobilization. <i>Journal of Cell Science</i> , 2012, 125, 3568-3577.	2.0	127
9	A <i>Drosophila</i> Model of Neuronopathic Gaucher Disease Demonstrates Lysosomal-Autophagic Defects and Altered mTOR Signalling and Is Functionally Rescued by Rapamycin. <i>Journal of Neuroscience</i> , 2016, 36, 11654-11670.	3.6	117
10	MTERF3 Regulates Mitochondrial Ribosome Biogenesis in Invertebrates and Mammals. <i>PLoS Genetics</i> , 2013, 9, e1003178.	3.5	85
11	Increased Glucose Transport into Neurons Rescues $\text{A}\beta^2$ Toxicity in <i>Drosophila</i> . <i>Current Biology</i> , 2016, 26, 2291-2300.	3.9	83
12	Lowered Insulin Signalling Ameliorates Age-Related Sleep Fragmentation in <i>Drosophila</i> . <i>PLoS Biology</i> , 2014, 12, e1001824.	5.6	80
13	A nutritional memory effect counteracts the benefits of dietary restriction in old mice. <i>Nature Metabolism</i> , 2019, 1, 1059-1073.	11.9	80
14	Tousled-like kinase functions with the chromatin assembly pathway regulating nuclear divisions. <i>Genes and Development</i> , 2003, 17, 2578-2590.	5.9	77
15	An Insulin-Sensitive Circular RNA that Regulates Lifespan in <i>Drosophila</i> . <i>Molecular Cell</i> , 2020, 79, 268-279.e5.	9.7	77
16	Mitochondrial and Cytoplasmic Thioredoxin Reductase Variants Encoded by a Single <i>Drosophila</i> Gene Are Both Essential for Viability. <i>Journal of Biological Chemistry</i> , 2002, 277, 11521-11526.	3.4	74
17	Quantitative Assessment of Eye Phenotypes for Functional Genetic Studies Using <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1427-1437.	1.8	67
18	A triple drug combination targeting components of the nutrient-sensing network maximizes longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20817-20819.	7.1	63

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19	Sense and antisense RNA are not toxic in <i>Drosophila</i> models of C9orf72-associated ALS/FTD. <i>Acta Neuropathologica</i> , 2018, 135, 445-457.	7.7	59
20	The Bicoid Stability Factor Controls Polyadenylation and Expression of Specific Mitochondrial mRNAs in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002324.	3.5	55
21	Insulin and TOR signal in parallel through FOXO and S6K to promote epithelial wound healing. <i>Nature Communications</i> , 2016, 7, 12972.	12.8	52
22	Insulin signalling regulates remating in female <i>Drosophila</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 424-431.	2.6	49
23	Branched-Chain Amino Acids Have Equivalent Effects to Other Essential Amino Acids on Lifespan and Aging-Related Traits in <i>Drosophila</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 24-31.	3.6	49
24	Complementation between polymerase- and exonuclease-deficient mitochondrial DNA polymerase mutants in genomically engineered flies. <i>Nature Communications</i> , 2015, 6, 8808.	12.8	48
25	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. <i>Molecular Systems Biology</i> , 2017, 13, 939.	7.2	42
26	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. <i>ELife</i> , 2021, 10, .	6.0	40
27	A ²⁴³ is neurotoxic and primes aggregation of A ²⁴⁰ in vivo. <i>Acta Neuropathologica</i> , 2015, 130, 35-47.	7.7	39
28	Deletion of endogenous Tau proteins is not detrimental in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016, 6, 23102.	3.3	38
29	Regulation of the one carbon folate cycle as a shared metabolic signature of longevity. <i>Nature Communications</i> , 2021, 12, 3486.	12.8	37
30	Longevity in response to lowered insulin signaling requires glycine N-methyltransferase-dependent spermidine production. <i>Aging Cell</i> , 2020, 19, e13043.	6.7	33
31	Mutations of mitochondrial DNA are not major contributors to aging of fruit flies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9620-E9629.	7.1	32
32	<i>curled</i> Encodes the <i>Drosophila</i> Homolog of the Vertebrate Circadian Deadenylase Nocturnin. <i>Genetics</i> , 2009, 183, 219-232.	2.9	30
33	A neuronal blood marker is associated with mortality in old age. <i>Nature Aging</i> , 2021, 1, 218-225.	11.6	30
34	Pseudo-acetylation of multiple sites on human Tau proteins alters Tau phosphorylation and microtubule binding, and ameliorates amyloid beta toxicity. <i>Scientific Reports</i> , 2017, 7, 9984.	3.3	29
35	Sestrin is a key regulator of stem cell function and lifespan in response to dietary amino acids. <i>Nature Aging</i> , 2021, 1, 60-72.	11.6	23
36	Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	18

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37	Glycine-alanine dipeptide repeats spread rapidly in a repeat length- and age-dependent manner in the fly brain. <i>Acta Neuropathologica Communications</i> , 2019, 7, 209.	5.2	17
38	Loss of miR-210 leads to progressive retinal degeneration in <i>Drosophila melanogaster</i> . <i>Life Science Alliance</i> , 2019, 2, e201800149.	2.8	16
39	The Functions of Insulin-like Peptides in Insects. <i>Research and Perspectives in Endocrine Interactions</i> , 2010, , 105-124.	0.2	15
40	Hormone-sensitive lipase couples intergenerational sterol metabolism to reproductive success. <i>ELife</i> , 2021, 10, .	6.0	14
41	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	12
42	Hepatic gene body hypermethylation is a shared epigenetic signature of murine longevity. <i>PLoS Genetics</i> , 2018, 14, e1007766.	3.5	8
43	The Role of GCN2 Kinase in Mediating the Effects of Amino Acids on Longevity and Feeding Behaviour in <i>Drosophila</i> . <i>Frontiers in Aging</i> , 0, 3, .	2.6	8
44	A NOVEL MODEL OF GBA1-ASSOCIATED PARKINSON'S DISEASE IMPLICATES AUTOPHAGY. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, e1.68-e1.	1.9	0