

# Sebastian GrÃ¶nke

## List of Publications by Year in descending order

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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	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
2	A neuronal blood marker is associated with mortality in old age. <i>Nature Aging</i> , 2021, 1, 218-225.	11.6	30
3	Hormone-sensitive lipase couples intergenerational sterol metabolism to reproductive success. <i>ELife</i> , 2021, 10, .	6.0	14
4	Enhanced insulin signalling ameliorates C9orf72 hexanucleotide repeat expansion toxicity in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	18
5	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	12
6	A TORC1-histone axis regulates chromatin organisation and non-canonical induction of autophagy to ameliorate ageing. <i>ELife</i> , 2021, 10, .	6.0	40
7	Regulation of the one carbon folate cycle as a shared metabolic signature of longevity. <i>Nature Communications</i> , 2021, 12, 3486.	12.8	37
8	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
9	Longevity in response to lowered insulin signaling requires glycine N-methyltransferase-dependent spermidine production. <i>Aging Cell</i> , 2020, 19, e13043.	6.7	33
10	An Insulin-Sensitive Circular RNA that Regulates Lifespan in <i>Drosophila</i> . <i>Molecular Cell</i> , 2020, 79, 268-279.e5.	9.7	77
11	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
12	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
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	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
15	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
16	Hepatic gene body hypermethylation is a shared epigenetic signature of murine longevity. <i>PLoS Genetics</i> , 2018, 14, e1007766.	3.5	8
17	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
18	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

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19	A proteomic atlas of insulin signalling reveals tissue-specific mechanisms of longevity assurance. <i>Molecular Systems Biology</i> , 2017, 13, 939.	7.2	42
20	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
21	Deletion of endogenous Tau proteins is not detrimental in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016, 6, 23102.	3.3	38
22	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
23	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
24	Increased Glucose Transport into Neurons Rescues A $\beta$ Toxicity in <i>Drosophila</i> . <i>Current Biology</i> , 2016, 26, 2291-2300.	3.9	83
25	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
26	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
27	Complementation between polymerase- and exonuclease-deficient mitochondrial DNA polymerase mutants in genomically engineered flies. <i>Nature Communications</i> , 2015, 6, 8808.	12.8	48
28	A $\beta$ <sup>243</sup> is neurotoxic and primes aggregation of A $\beta$ <sup>240</sup> in vivo. <i>Acta Neuropathologica</i> , 2015, 130, 35-47.	7.7	39
29	Lowered Insulin Signalling Ameliorates Age-Related Sleep Fragmentation in <i>Drosophila</i> . <i>PLoS Biology</i> , 2014, 12, e1001824.	5.6	80
30	C9orf72 repeat expansions cause neurodegeneration in <i>Drosophila</i> through arginine-rich proteins. <i>Science</i> , 2014, 345, 1192-1194.	12.6	632
31	MTERF3 Regulates Mitochondrial Ribosome Biogenesis in Invertebrates and Mammals. <i>PLoS Genetics</i> , 2013, 9, e1003178.	3.5	85
32	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
33	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
34	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
35	Molecular Evolution and Functional Characterization of <i>Drosophila</i> Insulin-Like Peptides. <i>PLoS Genetics</i> , 2010, 6, e1000857.	3.5	557
36	The Functions of Insulin-like Peptides in Insects. <i>Research and Perspectives in Endocrine Interactions</i> , 2010, , 105-124.	0.2	15

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37	<i>curled</i> Encodes the Drosophila Homolog of the Vertebrate Circadian Deadenylase Nocturnin. <i>Genetics</i> , 2009, 183, 219-232.	2.9	30
38	A Drosophila Insulin-like Peptide Promotes Growth during Nonfeeding States. <i>Developmental Cell</i> , 2009, 17, 874-884.	7.0	308
39	Dual Lipolytic Control of Body Fat Storage and Mobilization in Drosophila. <i>PLoS Biology</i> , 2007, 5, e137.	5.6	275
40	Brummer lipase is an evolutionary conserved fat storage regulator in Drosophila. <i>Cell Metabolism</i> , 2005, 1, 323-330.	16.2	501
41	Control of Fat Storage by a Drosophila PAT Domain Protein. <i>Current Biology</i> , 2003, 13, 603-606.	3.9	256
42	Tousled-like kinase functions with the chromatin assembly pathway regulating nuclear divisions. <i>Genes and Development</i> , 2003, 17, 2578-2590.	5.9	77
43	Mitochondrial and Cytoplasmic Thioredoxin Reductase Variants Encoded by a Single Drosophila Gene Are Both Essential for Viability. <i>Journal of Biological Chemistry</i> , 2002, 277, 11521-11526.	3.4	74
44	The Role of GCN2 Kinase in Mediating the Effects of Amino Acids on Longevity and Feeding Behaviour in Drosophila. <i>Frontiers in Aging</i> , 0, 3, .	2.6	8