

Daniel Segal

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99
papers

3,677
citations

31
h-index

58
g-index

103
ext. papers

4,266
ext. citations

6.7
avg, IF

5.05
L-index

#	Paper	IF	Citations
99	Commensal bacteria play a role in mating preference of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20051-6	11.5	563
98	The <i>Drosophila</i> EGF receptor gene homolog: conservation of both hormone binding and kinase domains. <i>Cell</i> , 1985 , 40, 599-607	56.2	197
97	JAB1/CSN5 and the COP9 signalosome. A complex situation. <i>EMBO Reports</i> , 2001 , 2, 96-101	6.5	146
96	The COP9 signalosome is essential for development of <i>Drosophila melanogaster</i> . <i>Current Biology</i> , 1999 , 9, 1187-90	6.3	132
95	Unified nomenclature for the COP9 signalosome and its subunits: an essential regulator of development. <i>Trends in Genetics</i> , 2000 , 16, 202-3	8.5	120
94	Orally administrated cinnamon extract reduces β amyloid oligomerization and corrects cognitive impairment in Alzheimer's disease animal models. <i>PLoS ONE</i> , 2011 , 6, e16564	3.7	119
93	QPath: a method for querying pathways in a protein-protein interaction network. <i>BMC Bioinformatics</i> , 2006 , 7, 199	3.6	113
92	Complete phenotypic recovery of an Alzheimer's disease model by a quinone-tryptophan hybrid aggregation inhibitor. <i>PLoS ONE</i> , 2010 , 5, e11101	3.7	113
91	Alternative 5' exons and tissue-specific expression of the <i>Drosophila</i> EGF receptor homolog transcripts. <i>Cell</i> , 1986 , 46, 1091-101	56.2	96
90	COP9 signalosome subunits 4 and 5 regulate multiple pleiotropic pathways in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2002 , 129, 4399-4409	6.6	96
89	Regulation of juvenile hormone synthesis in wild-type and apterous mutant <i>Drosophila</i> . <i>Molecular and Cellular Endocrinology</i> , 1991 , 81, 205-16	4.4	94
88	Extrachromosomal circular DNA of tandemly repeated genomic sequences in <i>Drosophila</i> . <i>Genome Research</i> , 2003 , 13, 1133-45	9.7	88
87	<i>Drosophila</i> JAB1/CSN5 acts in photoreceptor cells to induce glial cells. <i>Neuron</i> , 2002 , 33, 35-46	13.9	83
86	Extrachromosomal circles of satellite repeats and 5S ribosomal DNA in human cells. <i>Mobile DNA</i> , 2010 , 1, 11	4.4	82
85	Unfolded protein response in Gaucher disease: from human to <i>Drosophila</i> . <i>Orphanet Journal of Rare Diseases</i> , 2013 , 8, 140	4.2	70
84	Inhibiting β synuclein oligomerization by stable cell-penetrating β synuclein fragments recovers phenotype of Parkinson's disease model flies. <i>PLoS ONE</i> , 2010 , 5, e13863	3.7	70
83	Extrachromosomal circular DNA derived from tandemly repeated genomic sequences in plants. <i>Plant Journal</i> , 2008 , 53, 1027-34	6.9	65

82	A blood-brain barrier (BBB) disrupter is also a potent β -synuclein (β syn) aggregation inhibitor: a novel dual mechanism of mannitol for the treatment of Parkinson disease (PD). <i>Journal of Biological Chemistry</i> , 2013 , 288, 17579-88	5.4	63
81	Symbiotic bacteria are responsible for diet-induced mating preference in <i>Drosophila melanogaster</i> , providing support for the hologenome concept of evolution. <i>Gut Microbes</i> , 2011 , 2, 190-2	8.8	58
80	Ssdp proteins interact with the LIM-domain-binding protein Ldb1 to regulate development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14320-5	11.5	57
79	COP9 signalosome subunits 4 and 5 regulate multiple pleiotropic pathways in <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2002 , 129, 4399-409	6.6	55
78	Overexpression Beadex mutations and loss-of-function heldup-a mutations in <i>Drosophila</i> affect the 3Sregulatory and coding components, respectively, of the Dlmo gene. <i>Genetics</i> , 1998 , 150, 283-99	4	53
77	Interplay between protein glycosylation pathways in Alzheimer's disease. <i>Science Advances</i> , 2017 , 3, e1601576	15.76	52
76	Female sexual receptivity is defective in juvenile hormone-deficient mutants of the apterous gene of <i>Drosophila melanogaster</i> . <i>Behavior Genetics</i> , 1991 , 21, 453-69	3.2	52
75	The contribution of mutant GBA to the development of Parkinson disease in <i>Drosophila</i> . <i>Human Molecular Genetics</i> , 2016 , 25, 2712-2727	5.6	43
74	Evidence for rolling circle replication of tandem genes in <i>Drosophila</i> . <i>Nucleic Acids Research</i> , 2005 , 33, 4519-26	20.1	38
73	Genomic analysis of COP9 signalosome function in <i>Drosophila melanogaster</i> reveals a role in temporal regulation of gene expression. <i>Molecular Systems Biology</i> , 2007 , 3, 108	12.2	36
72	COP9 signalosome subunit 5 (CSN5/Jab1) regulates the development of the <i>Drosophila</i> immune system: effects on Cactus, Dorsal and hematopoiesis. <i>Genes To Cells</i> , 2007 , 12, 183-95	2.3	33
71	Selective Inhibition of Aggregation and Toxicity of a Tau-Derived Peptide using Its Glycosylated Analogues. <i>Chemistry - A European Journal</i> , 2016 , 22, 5945-52	4.8	32
70	Generic inhibition of amyloidogenic proteins by two naphthoquinone-tryptophan hybrid molecules. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012 , 80, 1962-73	4.2	32
69	Naphthoquinone-Tryptophan Hybrid Inhibits Aggregation of the Tau-Derived Peptide PHF6 and Reduces Neurotoxicity. <i>Journal of Alzheimer's Disease</i> , 2016 , 51, 165-78	4.3	31
68	Inhibition of amyloid oligomerization into different supramolecular architectures by small molecules: mechanistic insights and design rules. <i>Future Medicinal Chemistry</i> , 2017 , 9, 797-810	4.1	30
67	Structural basis for inhibiting β amyloid oligomerization by a non-coded β breaker-substituted endomorphin analogue. <i>ACS Chemical Biology</i> , 2011 , 6, 1265-76	4.9	28
66	Novel Mannitol-Based Small Molecules for Inhibiting Aggregation of β -Synuclein Amyloids in Parkinson's Disease. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 16	5.6	27
65	Mechanistic insights into remodeled Tau-derived PHF6 peptide fibrils by Naphthoquinone-Tryptophan hybrids. <i>Scientific Reports</i> , 2018 , 8, 71	4.9	27

64	Drosomycin, an innate immunity peptide of <i>Drosophila melanogaster</i> , interacts with the fly voltage-gated sodium channel. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23558-63	5.4	27
63	Bacteria-induced sexual isolation in <i>Drosophila</i> . <i>Fly</i> , 2011 , 5, 310-5	1.3	27
62	courtless, the <i>Drosophila</i> UBC7 homolog, is involved in male courtship behavior and spermatogenesis. <i>Genetics</i> , 2000 , 155, 1267-80	4	26
61	Purpurin modulates Tau-derived VQIVYK fibrillization and ameliorates Alzheimer's disease-like symptoms in animal model. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 2795-2813	10.3	24
60	EHD2 mediates trafficking from the plasma membrane by modulating Rac1 activity. <i>Biochemical Journal</i> , 2011 , 439, 433-42	3.8	23
59	Genetic transformation of <i>Drosophila</i> cells in culture by P element-mediated transposition. <i>Somatic Cell and Molecular Genetics</i> , 1996 , 22, 159-65		23
58	Differential inhibition of β -synuclein oligomeric and fibrillar assembly in parkinson's disease model by cinnamon extract. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1628-35	4	22
57	Transcriptional regulation by CHIP/LDB complexes. <i>PLoS Genetics</i> , 2010 , 6, e1001063	6	22
56	<i>Drosophila</i> Past1 is involved in endocytosis and is required for germline development and survival of the adult fly. <i>Journal of Cell Science</i> , 2009 , 122, 471-80	5.3	22
55	Cop9 signalosome subunit 8 (CSN8) is essential for <i>Drosophila</i> development. <i>Genes To Cells</i> , 2008 , 13, 221-31	2.3	21
54	Male sexual signaling is defective in mutants of the apterous gene of <i>Drosophila melanogaster</i> . <i>Behavior Genetics</i> , 1992 , 22, 469-87	3.2	21
53	Cl-NQTrp Alleviates Tauopathy Symptoms in a Model Organism through the Inhibition of Tau Aggregation-Engendered Toxicity. <i>Neurodegenerative Diseases</i> , 2017 , 17, 73-82	2.3	20
52	Defective responsiveness of adenylate cyclase to forskolin in the <i>Drosophila</i> memory mutant rutabaga. <i>Journal of Neurogenetics</i> , 1985 , 2, 365-80	1.6	20
51	Rosmarinic Acid Restores Complete Transparency of Sonicated Human Cataract Ex Vivo and Delays Cataract Formation In Vivo. <i>Scientific Reports</i> , 2018 , 8, 9341	4.9	20
50	Monitoring and targeting the initial dimerization stage of amyloid self-assembly. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2062-7	16.4	18
49	The Lys-Specific Molecular Tweezer, CLR01, Modulates Aggregation of the Mutant p53 DNA Binding Domain and Inhibits Its Toxicity. <i>Biochemistry</i> , 2015 , 54, 3729-38	3.2	17
48	Novel model of secreted human tau protein reveals the impact of the abnormal N-glycosylation of tau on its aggregation propensity. <i>Scientific Reports</i> , 2019 , 9, 2254	4.9	17
47	Inhibition of the Aggregation and Toxicity of the Minimal Amyloidogenic Fragment of Tau by Its Pro-Substituted Analogues. <i>Chemistry - A European Journal</i> , 2017 , 23, 9618-9624	4.8	16

46	Methylations of tryptophan-modified naphthoquinone affect its inhibitory potential toward A β aggregation. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1780-9	3.4	15
45	Integrating in vitro and in silico approaches to evaluate the "dual functionality" of palmitine chloride in inhibiting and disassembling Tau-derived VQIVYK peptide fibrils. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 1565-1575	4	14
44	Drosophila COP9 signalosome subunit 7 interacts with multiple genomic loci to regulate development. <i>Nucleic Acids Research</i> , 2014 , 42, 9761-70	20.1	14
43	Altered protein glycosylation predicts Alzheimer's disease and modulates its pathology in disease model Drosophila. <i>Neurobiology of Aging</i> , 2017 , 56, 159-171	5.6	13
42	Antagonistic Activity of Naphthoquinone-Based Hybrids toward Amyloids Associated with Alzheimer's Disease and Type-2 Diabetes. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3510-3520	5.7	13
41	Genetic and molecular studies of apterous: a gene implicated in the juvenile hormone system of Drosophila. <i>Archives of Insect Biochemistry and Physiology</i> , 1995 , 30, 195-209	2.3	13
40	Evaluating Drosophila p53 as a model system for studying cancer mutations. <i>Journal of Biological Chemistry</i> , 2012 , 287, 44330-7	5.4	12
39	Single cell imaging and quantification of TDP-43 and β synuclein intercellular propagation. <i>Scientific Reports</i> , 2017 , 7, 544	4.9	11
38	Naphthoquinone Tryptophan Hybrids: A Promising Small Molecule Scaffold for Mitigating Aggregation of Amyloidogenic Proteins and Peptides. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 242	5.7	11
37	Genetic variation for resistance to chlorpyrifos in Drosophila melanogaster (Diptera: Drosophilidae) infesting grapes in Israel. <i>Journal of Economic Entomology</i> , 1995 , 88, 1158-63	2.2	11
36	A novel, sensitive assay for behavioral defects in Parkinson's disease model Drosophila. <i>Parkinson's Disease</i> , 2012 , 2012, 697564	2.6	10
35	Modularity of CHIP/LDB transcription complexes regulates cell differentiation. <i>Fly</i> , 2011 , 5, 200-5	1.3	10
34	Growth suppression induced by the TRC8 hereditary kidney cancer gene is dependent upon JAB1/CSN5. <i>Oncogene</i> , 2005 , 24, 3503-11	9.2	10
33	Inhibitory Effect of Naphthoquinone-Tryptophan Hybrid towards Aggregation of PAP f39 Semen Amyloid. <i>Molecules</i> , 2018 , 23,	4.8	10
32	Diet-induced mating preference in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2153	11.5	9
31	Drosophila LIM-only is a positive regulator of transcription during thoracic bristle development. <i>Genetics</i> , 2008 , 179, 1989-99	4	9
30	Tryptophan-glucosamine conjugates modulate tau-derived PHF6 aggregation at low concentrations. <i>Chemical Communications</i> , 2019 , 55, 14621-14624	5.8	9
29	Rational Design of a Cocktail of Inhibitors against A β Aggregation. <i>Chemistry - A European Journal</i> , 2020 , 26, 3499-3503	4.8	9

28	The proto-oncogene Int6 is essential for neddylation of Cul1 and Cul3 in Drosophila. <i>PLoS ONE</i> , 2008 , 3, e2239	3.7	8
27	Structural insights into the folding defects of oncogenic pVHL lead to correction of its function in vitro. <i>PLoS ONE</i> , 2013 , 8, e66333	3.7	8
26	Tryptophan-galactosylamine conjugates inhibit and disaggregate amyloid fibrils of A β 2 and hIAPP peptides while reducing their toxicity. <i>Communications Biology</i> , 2020 , 3, 484	6.7	8
25	Naphthoquinone-Dopamine Hybrids Inhibit β Synuclein Aggregation, Disrupt Preformed Fibrils, and Attenuate Aggregate-Induced Toxicity. <i>Chemistry - A European Journal</i> , 2020 , 26, 16486-16496	4.8	7
24	Differential effects of putative N-glycosylation sites in human Tau on Alzheimer's disease-related neurodegeneration. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 2231-2245	10.3	7
23	Distinct Effects of O-GlcNAcylation and Phosphorylation of a Tau-Derived Amyloid Peptide on Aggregation of the Native Peptide. <i>Chemistry - A European Journal</i> , 2018 , 24, 14039-14043	4.8	6
22	Enhanced neurite outgrowth and branching precede increased amyloid-induced neuronal apoptosis in a novel Alzheimer's disease model. <i>Journal of Alzheimer's Disease</i> , 2015 , 43, 993-1006	4.3	6
21	Inhibition of tau amyloid formation and disruption of its preformed fibrils by Naphthoquinone-Dopamine hybrid. <i>FEBS Journal</i> , 2021 , 288, 4267-4290	5.7	6
20	Behavioral analysis of Drosophila mutants displaying abnormal male courtship. <i>Invertebrate Neuroscience</i> , 1997 , 3, 175-83	1.2	5
19	Prospects of using Drosophila for insect neuroendocrine research. <i>Archives of Insect Biochemistry and Physiology</i> , 1993 , 22, 199-231	2.3	4
18	Genetic Approaches for Enhancing Beneficial Traits in Entomopathogenic Nematodes. <i>Nihon Senchu Gakkai Shi = Japanese Journal of Nematology</i> , 1998 , 28, 61-67	0.1	4
17	Arginine refolds, stabilizes, and restores function of mutant pVHL proteins in animal model of the VHL cancer syndrome. <i>Oncogene</i> , 2019 , 38, 1038-1049	9.2	4
16	An amyloidogenic hexapeptide from the cataract-associated D-crystallin is a model for the full-length protein and is inhibited by naphthoquinone-tryptophan hybrids. <i>International Journal of Biological Macromolecules</i> , 2020 , 157, 424-433	7.9	4
15	The dorsal/ventral compartment boundary in Drosophila: coincidence with the prospective operculum seam. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1984 , 193, 133-138		3
14	The angular interval between the direction of progression and body orientation in normal, alcohol- and cocaine treated fruit flies. <i>PLoS ONE</i> , 2013 , 8, e76257	3.7	3
13	Role of Bacteria in Mating Preference in Drosophila melanogaster 2012 , 57-69		3
12	Total proteome turbidity assay for tracking global protein aggregation in the natural cellular environment. <i>Journal of Biological Methods</i> , 2017 , 4, e69	1.4	2
11	Glucosylceramide Associated with Gaucher Disease Forms Amyloid-like Twisted Ribbon Fibrils That Induce β Synuclein Aggregation. <i>ACS Nano</i> , 2021 ,	16.7	2

10	Computational and experimental characterization of dVHL establish a Drosophila model of VHL syndrome. <i>PLoS ONE</i> , 2014 , 9, e109864	3.7	1
9	Past1 Modulates Drosophila Eye Development. <i>PLoS ONE</i> , 2017 , 12, e0169639	3.7	1
8	Inhibitor-Mediated Structural Transition in a Minimal Amyloid Model. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202113845	16.4	1
7	Inhibition of amyloid fibrillation of D-crystallin model peptide by the cochineal Carmine. <i>International Journal of Biological Macromolecules</i> , 2021 , 169, 342-351	7.9	1
6	Dual concentration-dependent effect of ascorbic acid on PAP(248-286) amyloid formation and SEVI-mediated HIV infection. <i>RSC Chemical Biology</i> , 2021 , 2, 1534-1545	3	0
5	Glycans to improve efficacy and solubility of protein aggregation inhibitors. <i>Neural Regeneration Research</i> , 2021 , 16, 2215-2216	4.5	0
4	Monitoring and Targeting the Initial Dimerization Stage of Amyloid Self-Assembly. <i>Angewandte Chemie</i> , 2015 , 127, 2090-2095	3.6	
3	Safety and Tolerability, Dose-Escalating, Double-Blind Trial of Oral Mannitol in Parkinson's Disease.. <i>Frontiers in Neurology</i> , 2021 , 12, 716126	4.1	
2	The contribution of individual residues of an aggregative hexapeptide derived from the human D-crystallin to its amyloidogenicity.. <i>International Journal of Biological Macromolecules</i> , 2022 , 201, 182-192	7.9	
1	Amyloidogenic Properties of Peptides Derived from the VHL Tumor Suppressor Protein. <i>ChemMedChem</i> , 2021 , 16, 3565-3568	3.7	