Daniel Segal

List of Publications by Year in Descending Order

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	The contribution of individual residues of an aggregative hexapeptide derived from the human D-crystallin to its amyloidogenicity.. *International Journal of Biological Macromolecules*, **2022**, 201, 182-192	7.9	
98	Safety and Tolerability, Dose-Escalating, Double-Blind Trial of Oral Mannitol in Parkinson's Disease.. *Frontiers in Neurology*, **2021**, 12, 716126	4.1	
97	Inhibitor-Mediated Structural Transition in a Minimal Amyloid Model. *Angewandte Chemie - International Edition*, **2021**, 61, e202113845	16.4	1
96	Inhibition of amyloid fibrillation of D-crystallin model peptide by the cochineal Carmine. *International Journal of Biological Macromolecules*, **2021**, 169, 342-351	7.9	1
95	Differential effects of putative N-glycosylation sites in human Tau on Alzheimer's disease-related neurodegeneration. *Cellular and Molecular Life Sciences*, **2021**, 78, 2231-2245	10.3	7
94	Dual concentration-dependent effect of ascorbic acid on PAP(248-286) amyloid formation and SEVI-mediated HIV infection. *RSC Chemical Biology*, **2021**, 2, 1534-1545	3	0
93	Inhibition of tau amyloid formation and disruption of its preformed fibrils by Naphthoquinone-Dopamine hybrid. *FEBS Journal*, **2021**, 288, 4267-4290	5.7	6
92	Glucosylceramide Associated with Gaucher Disease Forms Amyloid-like Twisted Ribbon Fibrils That Induce Synuclein Aggregation. *ACS Nano*, **2021**,	16.7	2
91	Amyloidogenic Properties of Peptides Derived from the VHL Tumor Suppressor Protein. *ChemMedChem*, **2021**, 16, 3565-3568	3.7	
90	Glycans to improve efficacy and solubility of protein aggregation inhibitors. *Neural Regeneration Research*, **2021**, 16, 2215-2216	4.5	0
89	Naphthoquinone-Dopamine Hybrids Inhibit Synuclein Aggregation, Disrupt Preformed Fibrils, and Attenuate Aggregate-Induced Toxicity. *Chemistry - A European Journal*, **2020**, 26, 16486-16496	4.8	7
88	Tryptophan-galactosylamine conjugates inhibit and disaggregate amyloid fibrils of A42 and hIAPP peptides while reducing their toxicity. *Communications Biology*, **2020**, 3, 484	6.7	8
87	Purpurin modulates Tau-derived VQIVYK fibrillization and ameliorates Alzheimer's disease-like symptoms in animal model. *Cellular and Molecular Life Sciences*, **2020**, 77, 2795-2813	10.3	24
86	An amyloidogenic hexapeptide from the cataract-associated D-crystallin is a model for the full-length protein and is inhibited by naphthoquinone-tryptophan hybrids. *International Journal of Biological Macromolecules*, **2020**, 157, 424-433	7.9	4
85	Rational Design of a Cocktail of Inhibitors against A Aggregation. *Chemistry - A European Journal*, **2020**, 26, 3499-3503	4.8	9
84	Novel Mannitol-Based Small Molecules for Inhibiting Aggregation of Synuclein Amyloids in Parkinson's Disease. *Frontiers in Molecular Biosciences*, **2019**, 6, 16	5.6	27
83	Antagonistic Activity of Naphthoquinone-Based Hybrids toward Amyloids Associated with Alzheimer's Disease and Type-2 Diabetes. *ACS Chemical Neuroscience*, **2019**, 10, 3510-3520	5.7	13

82	Naphthoquinone Tryptophan Hybrids: A Promising Small Molecule Scaffold for Mitigating Aggregation of Amyloidogenic Proteins and Peptides. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 242	5.7	11
81	Novel model of secreted human tau protein reveals the impact of the abnormal N-glycosylation of tau on its aggregation propensity. *Scientific Reports*, **2019**, 9, 2254	4.9	17
80	Tryptophan-glucosamine conjugates modulate tau-derived PHF6 aggregation at low concentrations. *Chemical Communications*, **2019**, 55, 14621-14624	5.8	9
79	Arginine refolds, stabilizes, and restores function of mutant pVHL proteins in animal model of the VHL cancer syndrome. *Oncogene*, **2019**, 38, 1038-1049	9.2	4
78	Diet-induced mating preference in. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2153	11.5	9
77	Integrating in vitro and in silico approaches to evaluate the "dual functionality" of palmatine chloride in inhibiting and disassembling Tau-derived VQIVYK peptide fibrils. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 1565-1575	4	14
76	Mechanistic insights into remodeled Tau-derived PHF6 peptide fibrils by Naphthoquinone-Tryptophan hybrids. *Scientific Reports*, **2018**, 8, 71	4.9	27
75	Distinct Effects of O-GlcNAcylation and Phosphorylation of a Tau-Derived Amyloid Peptide on Aggregation of the Native Peptide. *Chemistry - A European Journal*, **2018**, 24, 14039-14043	4.8	6
74	Inhibitory Effect of Naphthoquinone-Tryptophan Hybrid towards Aggregation of PAP f39 Semen Amyloid. *Molecules*, **2018**, 23,	4.8	10
73	Rosmarinic Acid Restores Complete Transparency of Sonicated Human Cataract Ex Vivo and Delays Cataract Formation In Vivo. *Scientific Reports*, **2018**, 8, 9341	4.9	20
72	Single cell imaging and quantification of TDP-43 and □synuclein intercellular propagation. *Scientific Reports*, **2017**, 7, 544	4.9	11
71	Altered protein glycosylation predicts Alzheimer's disease and modulates its pathology in disease model Drosophila. *Neurobiology of Aging*, **2017**, 56, 159-171	5.6	13
70	Inhibition of amyloid oligomerization into different supramolecular architectures by small molecules: mechanistic insights and design rules. *Future Medicinal Chemistry*, **2017**, 9, 797-810	4.1	30
69	Inhibition of the Aggregation and Toxicity of the Minimal Amyloidogenic Fragment of Tau by Its Pro-Substituted Analogues. *Chemistry - A European Journal*, **2017**, 23, 9618-9624	4.8	16
68	Interplay between protein glycosylation pathways in Alzheimer's disease. *Science Advances*, **2017**, 3, e1601576	14.5	52
67	Cl-NQTrp Alleviates Tauopathy Symptoms in a Model Organism through the Inhibition of Tau Aggregation-Engendered Toxicity. *Neurodegenerative Diseases*, **2017**, 17, 73-82	2.3	20
66	Past1 Modulates Drosophila Eye Development. *PLoS ONE*, **2017**, 12, e0169639	3.7	1
65	Total proteome turbidity assay for tracking global protein aggregation in the natural cellular environment. *Journal of Biological Methods*, **2017**, 4, e69	1.4	2

64	Selective Inhibition of Aggregation and Toxicity of a Tau-Derived Peptide using Its Glycosylated Analogues. *Chemistry - A European Journal*, **2016**, 22, 5945-52	4.8	32
63	Naphthoquinone-Tryptophan Hybrid Inhibits Aggregation of the Tau-Derived Peptide PHF6 and Reduces Neurotoxicity. *Journal of Alzheimerjs Disease*, **2016**, 51, 165-78	4.3	31
62	The contribution of mutant GBA to the development of Parkinson disease in Drosophila. *Human Molecular Genetics*, **2016**, 25, 2712-2727	5.6	43
61	The Lys-Specific Molecular Tweezer, CLR01, Modulates Aggregation of the Mutant p53 DNA Binding Domain and Inhibits Its Toxicity. *Biochemistry*, **2015**, 54, 3729-38	3.2	17
60	Monitoring and targeting the initial dimerization stage of amyloid self-assembly. *Angewandte Chemie - International Edition*, **2015**, 54, 2062-7	16.4	18
59	Enhanced neurite outgrowth and branching precede increased amyloid-□nduced neuronal apoptosis in a novel Alzheimer□s disease model. *Journal of Alzheimerjs Disease*, **2015**, 43, 993-1006	4.3	6
58	Monitoring and Targeting the Initial Dimerization Stage of Amyloid Self-Assembly. *Angewandte Chemie*, **2015**, 127, 2090-2095	3.6	
57	Drosophila COP9 signalosome subunit 7 interacts with multiple genomic loci to regulate development. *Nucleic Acids Research*, **2014**, 42, 9761-70	20.1	14
56	Computational and experimental characterization of dVHL establish a Drosophila model of VHL syndrome. *PLoS ONE*, **2014**, 9, e109864	3.7	1
55	A blood-brain barrier (BBB) disrupter is also a potent □synuclein (□syn) aggregation inhibitor: a novel dual mechanism of mannitol for the treatment of Parkinson disease (PD). *Journal of Biological Chemistry*, **2013**, 288, 17579-88	5.4	63
54	Unfolded protein response in Gaucher disease: from human to Drosophila. *Orphanet Journal of Rare Diseases*, **2013**, 8, 140	4.2	70
53	Methylations of tryptophan-modified naphthoquinone affect its inhibitory potential toward A□ aggregation. *Journal of Physical Chemistry B*, **2013**, 117, 1780-9	3.4	15
52	Structural insights into the folding defects of oncogenic pVHL lead to correction of its function in vitro. *PLoS ONE*, **2013**, 8, e66333	3.7	8
51	The angular interval between the direction of progression and body orientation in normal, alcohol- and cocaine treated fruit flies. *PLoS ONE*, **2013**, 8, e76257	3.7	3
50	Differential inhibition of □synuclein oligomeric and fibrillar assembly in parkinson□s disease model by cinnamon extract. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 1628-35	4	22
49	A novel, sensitive assay for behavioral defects in Parkinson□s disease model Drosophila. *Parkinsonjs Disease*, **2012**, 2012, 697564	2.6	10
48	Generic inhibition of amyloidogenic proteins by two naphthoquinone-tryptophan hybrid molecules. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 1962-73	4.2	32
47	Evaluating Drosophila p53 as a model system for studying cancer mutations. *Journal of Biological Chemistry*, **2012**, 287, 44330-7	5.4	12

46	Role of Bacteria in Mating Preference in Drosophila melanogaster **2012**, 57-69		3
45	Structural basis for inhibiting β-amyloid oligomerization by a non-coded β-breaker-substituted endomorphin analogue. *ACS Chemical Biology*, **2011**, 6, 1265-76	4.9	28
44	EHD2 mediates trafficking from the plasma membrane by modulating Rac1 activity. *Biochemical Journal*, **2011**, 439, 433-42	3.8	23
43	Symbiotic bacteria are responsible for diet-induced mating preference in Drosophila melanogaster, providing support for the hologenome concept of evolution. *Gut Microbes*, **2011**, 2, 190-2	8.8	58
42	Bacteria-induced sexual isolation in Drosophila. *Fly*, **2011**, 5, 310-5	1.3	27
41	Orally administrated cinnamon extract reduces β-amyloid oligomerization and corrects cognitive impairment in Alzheimer's disease animal models. *PLoS ONE*, **2011**, 6, e16564	3.7	119
40	Modularity of CHIP/LDB transcription complexes regulates cell differentiation. *Fly*, **2011**, 5, 200-5	1.3	10
39	Commensal bacteria play a role in mating preference of Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 20051-6	11.5	563
38	Transcriptional regulation by CHIP/LDB complexes. *PLoS Genetics*, **2010**, 6, e1001063	6	22
37	Extrachromosomal circles of satellite repeats and 5S ribosomal DNA in human cells. *Mobile DNA*, **2010**, 1, 11	4.4	82
36	Complete phenotypic recovery of an Alzheimer's disease model by a quinone-tryptophan hybrid aggregation inhibitor. *PLoS ONE*, **2010**, 5, e11101	3.7	113
35	Inhibiting β-synuclein oligomerization by stable cell-penetrating β-synuclein fragments recovers phenotype of Parkinson's disease model flies. *PLoS ONE*, **2010**, 5, e13863	3.7	70
34	Drosomycin, an innate immunity peptide of Drosophila melanogaster, interacts with the fly voltage-gated sodium channel. *Journal of Biological Chemistry*, **2009**, 284, 23558-63	5.4	27
33	Drosophila Past1 is involved in endocytosis and is required for germline development and survival of the adult fly. *Journal of Cell Science*, **2009**, 122, 471-80	5.3	22
32	Cop9 signalosome subunit 8 (CSN8) is essential for Drosophila development. *Genes To Cells*, **2008**, 13, 221-31	2.3	21
31	Drosophila LIM-only is a positive regulator of transcription during thoracic bristle development. *Genetics*, **2008**, 179, 1989-99	4	9
30	The proto-oncogene Int6 is essential for neddylation of Cul1 and Cul3 in Drosophila. *PLoS ONE*, **2008**, 3, e2239	3.7	8
29	Extrachromosomal circular DNA derived from tandemly repeated genomic sequences in plants. *Plant Journal*, **2008**, 53, 1027-34	6.9	65

28	COP9 signalosome subunit 5 (CSN5/Jab1) regulates the development of the Drosophila immune system: effects on Cactus, Dorsal and hematopoiesis. *Genes To Cells*, **2007**, 12, 183-95	2.3	33
27	Genomic analysis of COP9 signalosome function in Drosophila melanogaster reveals a role in temporal regulation of gene expression. *Molecular Systems Biology*, **2007**, 3, 108	12.2	36
26	QPath: a method for querying pathways in a protein-protein interaction network. *BMC Bioinformatics*, **2006**, 7, 199	3.6	113
25	Evidence for rolling circle replication of tandem genes in Drosophila. *Nucleic Acids Research*, **2005**, 33, 4519-26	20.1	38
24	Growth suppression induced by the TRC8 hereditary kidney cancer gene is dependent upon JAB1/CSN5. *Oncogene*, **2005**, 24, 3503-11	9.2	10
23	Extrachromosomal circular DNA of tandemly repeated genomic sequences in Drosophila. *Genome Research*, **2003**, 13, 1133-45	9.7	88
22	Ssdp proteins interact with the LIM-domain-binding protein Ldb1 to regulate development. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 14320-5	11.5	57
21	Drosophila JAB1/CSN5 acts in photoreceptor cells to induce glial cells. *Neuron*, **2002**, 33, 35-46	13.9	83
20	COP9 signalosome subunits 4 and 5 regulate multiple pleiotropic pathways inDrosophila melanogaster. *Development (Cambridge)*, **2002**, 129, 4399-4409	6.6	96
19	COP9 signalosome subunits 4 and 5 regulate multiple pleiotropic pathways in Drosophila melanogaster. *Development (Cambridge)*, **2002**, 129, 4399-409	6.6	55
18	JAB1/CSN5 and the COP9 signalosome. A complex situation. *EMBO Reports*, **2001**, 2, 96-101	6.5	146
17	Unified nomenclature for the COP9 signalosome and its subunits: an essential regulator of development. *Trends in Genetics*, **2000**, 16, 202-3	8.5	120
16	courtless, the Drosophila UBC7 homolog, is involved in male courtship behavior and spermatogenesis. *Genetics*, **2000**, 155, 1267-80	4	26
15	The COP9 signalosome is essential for development of Drosophila melanogaster. *Current Biology*, **1999**, 9, 1187-90	6.3	132
14	Genetic Approaches for Enhancing Beneficial Traits in Entomopathogenic Nematodes. *Nihon Senchu Gakkai Shi = Japanese Journal of Nematology*, **1998**, 28, 61-67	0.1	4
13	Overexpression Beadex mutations and loss-of-function heldup-a mutations in Drosophila affect the 3Sregulatory and coding components, respectively, of the Dlmo gene. *Genetics*, **1998**, 150, 283-99	4	53
12	Behavioral analysis of Drosophila mutants displaying abnormal male courtship. *Invertebrate Neuroscience*, **1997**, 3, 175-83	1.2	5
11	Genetic transformation of Drosophila cells in culture by P element-mediated transposition. *Somatic Cell and Molecular Genetics*, **1996**, 22, 159-65		23

10	Genetic variation for resistance to chlorpyrifos in Drosophila melanogaster (Diptera: Drosophilidae) infesting grapes in Israel. *Journal of Economic Entomology*, **1995**, 88, 1158-63	2.2	11
9	Genetic and molecular studies of apterous: a gene implicated in the juvenile hormone system of Drosophila. *Archives of Insect Biochemistry and Physiology*, **1995**, 30, 195-209	2.3	13
8	Prospects of using Drosophila for insect neuroendocrine research. *Archives of Insect Biochemistry and Physiology*, **1993**, 22, 199-231	2.3	4
7	Male sexual signaling is defective in mutants of the apterous gene of Drosophila melanogaster. *Behavior Genetics*, **1992**, 22, 469-87	3.2	21
6	Female sexual receptivity is defective in juvenile hormone-deficient mutants of the apterous gene of Drosophila melanogaster. *Behavior Genetics*, **1991**, 21, 453-69	3.2	52
5	Regulation of juvenile hormone synthesis in wild-type and apterous mutant Drosophila. *Molecular and Cellular Endocrinology*, **1991**, 81, 205-16	4.4	94
4	Alternative 5Sexons and tissue-specific expression of the Drosophila EGF receptor homolog transcripts. *Cell*, **1986**, 46, 1091-101	56.2	96
3	Defective responsiveness of adenylate cyclase to forskolin in the Drosophila memory mutant rutabaga. *Journal of Neurogenetics*, **1985**, 2, 365-80	1.6	20
2	The Drosophila EGF receptor gene homolog: conservation of both hormone binding and kinase domains. *Cell*, **1985**, 40, 599-607	56.2	197
1	The dorsal/ventral compartment boundary inDrosophila: coincidence with the prospective operculum seam. *Wilhelm Rouxjs Archives of Developmental Biology*, **1984**, 193, 133-138		3