

Barry Ganetzky

List of Publications by Year in descending order

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69
papers

7,731
citations

109321

35
h-index

95266

68
g-index

72
all docs

72
docs citations

72
times ranked

13212
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Molecular analysis of the para locus, a sodium channel gene in <i>Drosophila</i> . <i>Cell</i> , 1989, 58, 1143-1154.	28.9	508
3	INDIRECT SUPPRESSION INVOLVING BEHAVIORAL MUTANTS WITH ALTERED NERVE EXCITABILITY IN <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1982, 100, 597-614.	2.9	205
4	Temperature-Sensitive Paralytic Mutations Demonstrate that Synaptic Exocytosis Requires SNARE Complex Assembly and Disassembly. <i>Neuron</i> , 1998, 21, 401-413.	8.1	198
5	Dnr1 mutations cause neurodegeneration in <i>Drosophila</i> by activating the innate immune response in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1752-60.	7.1	179
6	Neurogenetic Analysis of Potassium Currents in <i>Drosophila</i> : Synergistic Effects on Neuromuscular Transmission in Double Mutants. <i>Journal of Neurogenetics</i> , 1983, 1, 17-28.	1.4	174
7	The mlenapts RNA Helicase Mutation in <i>Drosophila</i> Results in a Splicing Catastrophe of the para Na ⁺ Channel Transcript in a Region of RNA Editing. <i>Neuron</i> , 2000, 25, 139-149.	8.1	170
8	NF- κ B Immunity in the Brain Determines Fly Lifespan in Healthy Aging and Age-Related Neurodegeneration. <i>Cell Reports</i> , 2017, 19, 836-848.	6.4	155
9	Synaptic function modulated by changes in the ratio of synaptotagmin I and IV. <i>Nature</i> , 1999, 400, 757-760.	27.8	149
10	Nervous Wreck, an SH3 Adaptor Protein that Interacts with Wsp, Regulates Synaptic Growth in <i>Drosophila</i> . <i>Neuron</i> , 2004, 41, 521-534.	8.1	148
11	Nervous Wreck Interacts with Thickveins and the Endocytic Machinery to Attenuate Retrograde BMP Signaling during Synaptic Growth. <i>Neuron</i> , 2008, 58, 507-518.	8.1	146
12	Truncated RanGAP Encoded by the Segregation Distorter Locus of <i>Drosophila</i> . <i>Science</i> , 1999, 283, 1742-1745.	12.6	143
13	napts, a Mutation affecting sodium channel activity in <i>Drosophila</i> , Is an allele of mle a regulator of X chromosome transcription. <i>Cell</i> , 1991, 66, 949-959.	28.9	127
14	Expression of Multiple Transgenes from a Single Construct Using Viral 2A Peptides in <i>Drosophila</i> . <i>PLoS ONE</i> , 2014, 9, e100637.	2.5	126
15	A <i>Drosophila</i> model of closed head traumatic brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4152-9.	7.1	116
16	The <i>Drosophila</i> erg ^K Channel Polypeptide Is Encoded by the Seizure Locus. <i>Journal of Neuroscience</i> , 1997, 17, 875-881.	3.6	106
17	Neural Dysfunction and Neurodegeneration in <i>Drosophila</i> Na ⁺ /K ⁺ ATPase Alpha Subunit Mutants. <i>Journal of Neuroscience</i> , 2003, 23, 1276-1286.	3.6	106
18	A <i>Drosophila</i> NSF mutant. <i>Nature</i> , 1995, 376, 25-25.	27.8	105

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19	Transcellular spreading of huntingtin aggregates in the <i>Drosophila</i> brain. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5427-33.	7.1	105
20	RNA Editing of the <i>Drosophila</i> Na ⁺ Channel Transcript: Evolutionary Conservation and Developmental Regulation. Genetics, 2000, 155, 1149-1160.	2.9	101
21	Death following traumatic brain injury in <i>Drosophila</i> is associated with intestinal barrier dysfunction. ELife, 2015, 4, .	6.0	95
22	Metabolic Disruption in <i>Drosophila</i> Bang-Sensitive Seizure Mutants. Genetics, 2006, 173, 1357-1364.	2.9	89
23	Temperature-Sensitive Paralytic Mutants Are Enriched For Those Causing Neurodegeneration in <i>Drosophila</i> . Genetics, 2002, 161, 1197-1208.	2.9	84
24	GENETIC STUDIES OF MEMBRANE EXCITABILITY IN DROSOPHILA: LETHAL INTERACTION BETWEEN TWO TEMPERATURE-SENSITIVE PARALYTIC MUTATIONS. Genetics, 1984, 108, 897-911.	2.9	81
25	The Eag Family of K ⁺ Channels in <i>Drosophila</i> and Mammals. Annals of the New York Academy of Sciences, 1999, 868, 356-369.	3.8	79
26	wasted away, a <i>Drosophila</i> mutation in triosephosphate isomerase, causes paralysis, neurodegeneration, and early death. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14987-14993.	7.1	70
27	Altered Synaptic Transmission in <i>Drosophila</i> Hyperkinetic Mutants. Journal of Neurogenetics, 1989, 5, 215-228.	1.4	65
28	Yuichiro Hiraizumi and Forty Years of Segregation Distortion. Genetics, 1999, 152, 1-4.	2.9	61
29	ON THE COMPONENTS OF SEGREGATION DISTORTION IN <i>DROSOPHILA MELANOGASTER</i> . II. DELETION MAPPING AND DOSAGE ANALYSIS OF THE <i>SD</i> LOCUS. Genetics, 1983, 103, 659-673.	2.9	59
30	A neuropeptide signaling pathway regulates synaptic growth in <i>Drosophila</i> . Journal of Cell Biology, 2012, 196, 529-543.	5.2	58
31	The gut reaction to traumatic brain injury. Fly, 2015, 9, 68-74.	1.7	58
32	ON THE COMPONENTS OF SEGREGATION DISTORTION IN <i>DROSOPHILA MELANOGASTER</i> . III. NATURE OF ENHANCER OF SD. Genetics, 1984, 107, 423-434.	2.9	48
33	Conduction in the Giant Nerve Fiber Pathway in Temperature-Sensitive Paralytic Mutants of <i>Drosophila</i> . Journal of Neurogenetics, 1990, 6, 207-219.	1.4	45
34	Age and Diet Affect Genetically Separable Secondary Injuries that Cause Acute Mortality Following Traumatic Brain Injury in <i>Drosophila</i> . G3: Genes, Genomes, Genetics, 2016, 6, 4151-4166.	1.8	45
35	Neurogenetic Analysis of <i>Drosophila</i> Mutations Affecting Sodium Channels: Synergistic Effects on Viability and Nerve Conduction in Double Mutants Involving tip-E. Journal of Neurogenetics, 1986, 3, 19-31.	1.4	40
36	Identification and Characterization of Inebriated, a Gene Affecting Neuronal Excitability in <i>Drosophila</i> . Journal of Neurogenetics, 1992, 8, 157-172.	1.4	38

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37	Drosulfakinin activates CCKLR-17D1 and promotes larval locomotion and escape response in <i>Drosophila</i> . <i>Fly</i> , 2012, 6, 290-297.	1.7	38
38	Neuropathology in <i>Drosophila</i> Membrane Excitability Mutants. <i>Genetics</i> , 2006, 172, 1031-1042.	2.9	36
39	Genetic variability affects absolute and relative potencies and kinetics of the anesthetics isoflurane and sevoflurane in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2018, 8, 2348.	3.3	33
40	An Improved Method for Accurate and Rapid Measurement of Flight Performance in <i>Drosophila</i> . <i>Journal of Visualized Experiments</i> , 2014, , e51223.	0.3	32
41	A Method to Inflict Closed Head Traumatic Brain Injury in <i>Drosophila</i> . <i>Journal of Visualized Experiments</i> , 2015, , e52905.	0.3	32
42	Mito-Nuclear Interactions Affecting Lifespan and Neurodegeneration in a <i>Drosophila</i> Model of Leigh Syndrome. <i>Genetics</i> , 2018, 208, 1535-1552.	2.9	30
43	Neuropathology in <i>Drosophila</i> Mutants With Increased Seizure Susceptibility. <i>Genetics</i> , 2008, 178, 947-956.	2.9	29
44	Analysis of Synaptic Growth and Function in <i>Drosophila</i> with an Extended Larval Stage. <i>Journal of Neuroscience</i> , 2012, 32, 13776-13786.	3.6	27
45	DETECTION OF <i>Rsp</i> AND MODIFIER VARIATION IN THE MEIOTIC DRIVE SYSTEM <i>SEGREGATION DISTORTER</i> (<i>SD</i>) OF <i>DROSOPHILA MELANOGASTER</i> . <i>Genetics</i> , 1986, 114, 183-202.	2.9	27
46	A <i>Drosophila</i> model to investigate the neurotoxic side effects of radiation exposure. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 669-677.	2.4	26
47	Loss of the Antimicrobial Peptide Metchnikowin Protects Against Traumatic Brain Injury Outcomes in <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3109-3119.	1.8	23
48	Persistent Activation of the Innate Immune Response in Adult <i>Drosophila</i> Following Radiation Exposure During Larval Development. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2299-2306.	1.8	20
49	A mutation in <i>Drosophila</i> Aldolase Causes Temperature-Sensitive Paralysis, Shortened Lifespan, and Neurodegeneration. <i>Journal of Neurogenetics</i> , 2012, 26, 317-327.	1.4	18
50	Nibbling away at synaptic development. <i>Autophagy</i> , 2010, 6, 168-169.	9.1	17
51	A Neuroprotective Function of NSF1 Sustains Autophagy and Lysosomal Trafficking in <i>Drosophila</i> . <i>Genetics</i> , 2015, 199, 511-522.	2.9	17
52	Survival Following Traumatic Brain Injury in <i>Drosophila</i> Is Increased by Heterozygosity for a Mutation of the NF- κ B Innate Immune Response Transcription Factor Relish. <i>Genetics</i> , 2020, 216, 1117-1136.	2.9	16
53	Neurodegeneration and locomotor dysfunction in <i>Drosophila</i> <i>scarlet</i> mutants. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	15
54	A <i>Drosophila</i> behavioral mutant, down and out (dao), is defective in an essential regulator of Erg potassium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5617-5621.	7.1	12

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55	Identification of Mob2, a Novel Regulator of Larval Neuromuscular Junction Morphology, in Natural Populations of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2013, 195, 915-926.	2.9	12
56	The Centenary of GENETICS: Bridges to the Future. <i>Genetics</i> , 2016, 202, 15-23.	2.9	12
57	Developmental arrest of <i>Drosophila</i> larvae elicits presynaptic depression and enables prolonged studies of neurodegeneration. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	10
58	Non-cell autonomous cell death caused by transmission of Huntingtin aggregates in <i>Drosophila</i> . <i>Fly</i> , 2015, 9, 107-109.	1.7	9
59	Mitochondrial Complex I Mutations Predispose <i>Drosophila</i> to Isoflurane Neurotoxicity. <i>Anesthesiology</i> , 2020, 133, 839-851.	2.5	9
60	Alfred Sturtevant and George Beadle Untangle Inversions. <i>Genetics</i> , 2016, 203, 1001-1003.	2.9	7
61	A Novel Mutation in Brain Tumor Causes Both Neural Over-Proliferation and Neurodegeneration in Adult <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3331-3346.	1.8	6
62	Non-mammalian Animal Models Offer New Perspectives on the Treatment of TBI. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2016, 4, 1-4.	0.8	5
63	Ketogenic diet reduces early mortality following traumatic brain injury in <i>Drosophila</i> via the PPAR β ortholog Eip75B. <i>PLoS ONE</i> , 2021, 16, e0258873.	2.5	2
64	Beta-blockers reduce intestinal permeability and early mortality following traumatic brain injury in. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	2
65	Mutations affecting sodium channels in <i>Drosophila</i> . <i>BioEssays</i> , 1986, 5, 11-14.	2.5	1
66	Cysteine strings, calcium channels and synaptic transmission. <i>BioEssays</i> , 1994, 16, 461-463.	2.5	1
67	HERG Sequence Correction. <i>Science</i> , 1996, 272, 1087-1087.	12.6	1
68	Remembering Obaid Siddiqi, a pioneer in the study of temperature-sensitive paralytic mutants in <i>Drosophila</i> . <i>Journal of Biosciences</i> , 2014, 39, 547-553.	1.1	0
69	Effects of blunt force injuries in third-instar larvae persist through metamorphosis and reduce adult lifespan. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	0