

George R Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

9,711
citations

101384

36
h-index

138251

58
g-index

63
all docs

63
docs citations

63
times ranked

15716
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Histone deacetylase inhibitors arrest polyglutamine-dependent neurodegeneration in <i>Drosophila</i> . <i>Nature</i> , 2001, 413, 739-743.	13.7	1,156
3	Polyglutamine-Expanded Human Huntingtin Transgenes Induce Degeneration of <i>Drosophila</i> Photoreceptor Neurons. <i>Neuron</i> , 1998, 21, 633-642.	3.8	490
4	Human Wild-Type Tau Interacts with wingless Pathway Components and Produces Neurofibrillary Pathology in <i>Drosophila</i> . <i>Neuron</i> , 2002, 34, 509-519.	3.8	487
5	Tau oligomers impair memory and induce synaptic and mitochondrial dysfunction in wild-type mice. <i>Molecular Neurodegeneration</i> , 2011, 6, 39.	4.4	462
6	Identification of oligomers at early stages of tau aggregation in Alzheimer's disease. <i>FASEB Journal</i> , 2012, 26, 1946-1959.	0.2	420
7	Alzheimer brain-derived tau oligomers propagate pathology from endogenous tau. <i>Scientific Reports</i> , 2012, 2, 700.	1.6	396
8	Preparation and Characterization of Neurotoxic Tau Oligomers. <i>Biochemistry</i> , 2010, 49, 10039-10041.	1.2	302
9	Passive Immunization with Tau Oligomer Monoclonal Antibody Reverses Tauopathy Phenotypes without Affecting Hyperphosphorylated Neurofibrillary Tangles. <i>Journal of Neuroscience</i> , 2014, 34, 4260-4272.	1.7	241
10	Bacterial Artificial Chromosome Transgenic Mice Expressing a Truncated Mutant Parkin Exhibit Age-Dependent Hypokinetic Motor Deficits, Dopaminergic Neuron Degeneration, and Accumulation of Proteinase K-Resistant I \pm -Synuclein. <i>Journal of Neuroscience</i> , 2009, 29, 1962-1976.	1.7	168
11	Dissociation of tau toxicity and phosphorylation: role of GSK-3 β , MARK and Cdk5 in a <i>Drosophila</i> model. <i>Human Molecular Genetics</i> , 2009, 18, 164-177.	1.4	160
12	Pathological Interface Between Oligomeric Alpha-Synuclein and Tau in Synucleinopathies. <i>Biological Psychiatry</i> , 2015, 78, 672-683.	0.7	140
13	A <i>Drosophila</i> Model of Mutant Human Parkin-Induced Toxicity Demonstrates Selective Loss of Dopaminergic Neurons and Dependence on Cellular Dopamine. <i>Journal of Neuroscience</i> , 2007, 27, 981-992.	1.7	136
14	A Genomic Screen for Modifiers of Tauopathy Identifies Puromycin-Sensitive Aminopeptidase as an Inhibitor of Tau-Induced Neurodegeneration. <i>Neuron</i> , 2006, 51, 549-560.	3.8	130
15	Rapid Accumulation of Endogenous Tau Oligomers in a Rat Model of Traumatic Brain Injury. <i>Journal of Biological Chemistry</i> , 2013, 288, 17042-17050.	1.6	115
16	Functional genomic screen and network analysis reveal novel modifiers of tauopathy dissociated from tau phosphorylation. <i>Human Molecular Genetics</i> , 2011, 20, 4947-4977.	1.4	110
17	A <i>Drosophila</i> Model of ALS: Human ALS-Associated Mutation in VAP33A Suggests a Dominant Negative Mechanism. <i>PLoS ONE</i> , 2008, 3, e2334.	1.1	109
18	Effects of Nerve Growth Factor on Glutathione Peroxidase and Catalase in PC 12 Cells. <i>Journal of Neurochemistry</i> , 1994, 62, 2476-2479.	2.1	106

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19	Drosophila models of neurodegenerative disease. <i>NeuroRx</i> , 2005, 2, 438-446.	6.0	103
20	Revisiting the intersection of amyloid, pathologically modified tau and iron in Alzheimer's disease from a ferroptosis perspective. <i>Progress in Neurobiology</i> , 2020, 184, 101716.	2.8	98
21	Association of GSK3B With Alzheimer Disease and Frontotemporal Dementia. <i>Archives of Neurology</i> , 2008, 65, 1368-74.	4.9	86
22	TDP-43 Phosphorylation by casein kinase II promotes oligomerization and enhances toxicity in vivo. <i>Human Molecular Genetics</i> , 2014, 23, 1025-1035.	1.4	83
23	Uncoupling neuronal death and dysfunction in Drosophila models of neurodegenerative disease. <i>Acta Neuropathologica Communications</i> , 2016, 4, 62.	2.4	77
24	Normal-repeat-length polyglutamine peptides accelerate aggregation nucleation and cytotoxicity of expanded polyglutamine proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14367-14372.	3.3	73
25	Neurodegenerative models in Drosophila: Polyglutamine disorders, Parkinson disease, and amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2010, 40, 29-39.	2.1	67
26	Quantitative Assessment of Eye Phenotypes for Functional Genetic Studies Using <i>Drosophila melanogaster</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1427-1437.	0.8	67
27	Degradation of Tau Protein by Puromycin-Sensitive Aminopeptidase in Vitro. <i>Biochemistry</i> , 2006, 45, 15111-15119.	1.2	64
28	Interactions between Tau and α -synuclein augment neurotoxicity in a Drosophila model of Parkinson's disease. <i>Human Molecular Genetics</i> , 2014, 23, 3008-3023.	1.4	63
29	The formation of tau pore-like structures is prevalent and cell specific: possible implications for the disease phenotypes. <i>Acta Neuropathologica Communications</i> , 2014, 2, 56.	2.4	62
30	Inactivation of Drosophila Apaf-1 related killer suppresses formation of polyglutamine aggregates and blocks polyglutamine pathogenesis. <i>Human Molecular Genetics</i> , 2005, 14, 357-372.	1.4	58
31	Amyloid- β oligomers as a template for secondary amyloidosis in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2014, 71, 14-23.	2.1	55
32	Pathogenic VCP/TER94 Alleles Are Dominant Actives and Contribute to Neurodegeneration by Altering Cellular ATP Level in a Drosophila IBMPFD Model. <i>PLoS Genetics</i> , 2011, 7, e1001288.	1.5	53
33	Prefilament tau species as potential targets for immunotherapy for Alzheimer disease and related disorders. <i>Current Opinion in Immunology</i> , 2009, 21, 359-363.	2.4	52
34	Nerve growth factor effects on pyridine nucleotides after oxidant injury of rat pheochromocytoma cells. <i>Brain Research</i> , 1992, 592, 239-248.	1.1	50
35	Effects of nerve growth factor on catalase and glutathione peroxidase in a hydrogen peroxide-resistant pheochromocytoma subclone. <i>Brain Research</i> , 1994, 634, 69-76.	1.1	44
36	Stimulation of nerve growth factor receptors in PC12 by acetyl-L-carnitine. <i>Biochemical Pharmacology</i> , 1992, 44, 577-585.	2.0	39

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37	Nerve growth factor and neuronal cell death. <i>Molecular Neurobiology</i> , 1990, 4, 57-91.	1.9	29
38	Renal Epithelial Protein (Apx) Is an Actin Cytoskeleton-regulated Na ⁺ Channel. <i>Journal of Biological Chemistry</i> , 1996, 271, 18045-18053.	1.6	28
39	Interaction Between Eye Pigment Genes and Tau-Induced Neurodegeneration in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2010, 186, 435-442.	1.2	28
40	Evidence for autophagic gridlock in aging and neurodegeneration. <i>Translational Research</i> , 2014, 164, 1-12.	2.2	21
41	Insulin-Mediated Changes in Tau Hyperphosphorylation and Autophagy in a <i>Drosophila</i> Model of Tauopathy and Neuroblastoma Cells. <i>Frontiers in Neuroscience</i> , 2019, 13, 801.	1.4	18
42	Hemichorea in a patient with diabetic ketoacidosis. <i>Journal of the Neurological Sciences</i> , 2014, 342, 189-191.	0.3	16
43	Guide to Understanding <i>Drosophila</i> Models of Neurodegenerative Diseases. <i>PLoS Biology</i> , 2008, 6, e53.	2.6	14
44	Therapeutic removal of amyloid deposits in cutaneous amyloidosis by localised intralesional injections of anti-amyloid antibodies. <i>Experimental Dermatology</i> , 2010, 19, 904-911.	1.4	12
45	Role of oligomers in the amyloidogenesis of primary cutaneous amyloidosis. <i>Journal of the American Academy of Dermatology</i> , 2011, 65, 1023-1031.	0.6	11
46	Characterization of Na ⁺ -permeable Cation Channels in LLC-PK1 Renal Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 20137-20146.	1.6	10
47	Feasibility study: Effect of hand resistance exercise on handwriting in Parkinson's disease and essential tremor. <i>Journal of Hand Therapy</i> , 2018, 31, 29-34.	0.7	10
48	Alzheimers Disease: Review of Emerging Treatment Role for Intravenous Immunoglobulins. <i>Journal of Central Nervous System Disease</i> , 2011, 3, JCNSD.S5018.	0.7	9
49	Treadmill exercise tests in persons with Parkinson's disease: responses and disease severity. <i>Aging Clinical and Experimental Research</i> , 2016, 28, 1009-1014.	1.4	8
50	Demise of the Flies. <i>Progress in Molecular Biology and Translational Science</i> , 2011, 100, 483-498.	0.9	6
51	Glycerol Hypersensitivity in a <i>Drosophila</i> Model for Glycerol Kinase Deficiency Is Affected by Mutations in Eye Pigmentation Genes. <i>PLoS ONE</i> , 2012, 7, e31779.	1.1	5
52	Treatment Patterns in Essential Tremor: A Retrospective Analysis. <i>Tremor and Other Hyperkinetic Movements</i> , 2022, 12, 10.	1.1	5
53	New vaccine development for chronic brain disease. <i>Neuropsychopharmacology</i> , 2010, 35, 354-354.	2.8	4
54	Neurodegeneration models in <i>Drosophila</i> . , 0, , 135-161.		2

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55	Lifestyles of a Toxic Twosome: A Novel Tau Strain Induced by $\hat{\pm}$ -Synuclein Oligomers. <i>Biological Psychiatry</i> , 2018, 84, 472-473.	0.7	2
56	Paradigms for Study of Neurotrophin Effects in Oxidant Injury. <i>Methods in Neurosciences</i> , 1996, 30, 1-25.	0.5	1
57	SCA31 Flies Perform in a Balancing Act between RAN Translation and RNA-Binding Proteins. <i>Neuron</i> , 2017, 94, 4-5.	3.8	1
58	Disruption of Glycerol Metabolism by RNAi Targeting of Genes Encoding Glycerol Kinase Results in a Range of Phenotype Severity in <i>Drosophila</i> . <i>PLoS ONE</i> , 2013, 8, e71664.	1.1	1
59	Learn to Forget: Regulation of Age-Related Memory Impairment by Neuronal-Glial Crosstalk. <i>Neuron</i> , 2014, 84, 658-659.	3.8	0
60	<i>Drosophila</i> Models of Polyglutamine Disorders. , 2006, , 587-594.		0
61	Model Organisms and Neurogenetics. <i>Medical Psychiatry</i> , 2007, , 117-134.	0.2	0