

Janet Dubinsky

List of Publications by Year in descending order

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46
papers

2,544
citations

186265

28
h-index

223800

46
g-index

46
all docs

46
docs citations

46
times ranked

2421
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular calcium concentrations during "chemical hypoxia" and excitotoxic neuronal injury. Journal of Neuroscience, 1991, 11, 2545-2551.	3.6	265
2	Calcium-induced Cytochrome c release from CNS mitochondria is associated with the permeability transition and rupture of the outer membrane. Journal of Neurochemistry, 2002, 80, 207-218.	3.9	221
3	Mitochondrial Permeability Transition in the Central Nervous System: Induction by Calcium Cycling-Dependent and -Independent Pathways. Journal of Neurochemistry, 1997, 69, 524-538.	3.9	197
4	Limitations of Cyclosporin A Inhibition of the Permeability Transition in CNS Mitochondria. Journal of Neuroscience, 2000, 20, 8229-8237.	3.6	155
5	Increased Susceptibility of Striatal Mitochondria to Calcium-Induced Permeability Transition. Journal of Neuroscience, 2003, 23, 4858-4867.	3.6	150
6	Calcium-induced activation of the mitochondrial permeability transition in hippocampal neurons. Journal of Neuroscience Research, 1998, 53, 728-741.	2.9	136
7	Dual Responses of CNS Mitochondria to Elevated Calcium. Journal of Neuroscience, 2000, 20, 103-113.	3.6	130
8	On the mechanisms of neuroprotection by creatine and phosphocreatine. Journal of Neurochemistry, 2001, 76, 425-434.	3.9	117
9	Neurochemical changes in Huntington R6/2 mouse striatum detected by ¹ H NMR spectroscopy. Journal of Neurochemistry, 2007, 100, 1397-1406.	3.9	104
10	Infusing Neuroscience Into Teacher Professional Development. Educational Researcher, 2013, 42, 317-329.	5.4	95
11	Age-Dependent Changes in the Calcium Sensitivity of Striatal Mitochondria in Mouse Models of Huntington's Disease. Journal of Neurochemistry, 2005, 93, 1361-1370.	3.9	87
12	Heterogeneity of nervous system mitochondria: Location, location, location!. Experimental Neurology, 2009, 218, 293-307.	4.1	59
13	Cortical Metabolites as Biomarkers in the R6/2 Model of Huntington's Disease. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 502-514.	4.3	59
14	Taking an educational psychology course improves neuroscience literacy but does not reduce belief in neuromyths. PLoS ONE, 2018, 13, e0192163.	2.5	50
15	Age-related changes in regional brain mitochondria from Fischer 344 rats. Aging Cell, 2005, 4, 139-145.	6.7	49
16	Relationship of Intracellular Calcium to Dependence on Nerve Growth Factor in Dorsal Root Ganglion Neurons in Cell Culture. Journal of Neurochemistry, 1992, 58, 263-269.	3.9	48
17	Homeostatic Adaptations in Brain Energy Metabolism in Mouse Models of Huntington Disease. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1977-1988.	4.3	45
18	Neuroscience in Middle Schools: A Professional Development and Resource Program That Models Inquiry-based Strategies and Engages Teachers in Classroom Implementation. CBE Life Sciences Education, 2006, 5, 144-157.	2.3	43

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19	Decreased expression of ¹GLT</sup> in the R6/2 model of Huntington's disease does not worsen disease progression. <i>European Journal of Neuroscience</i> , 2013, 38, 2477-2490.	2.6	41
20	Development of inhibitory synapses among striatal neurons in vitro. <i>Journal of Neuroscience</i> , 1989, 9, 3955-3965.	3.6	40
21	Neuroscience Education for Prekindergarten-12 Teachers. <i>Journal of Neuroscience</i> , 2010, 30, 8057-8060.	3.6	40
22	Brivaracetam augments short-term depression and slows vesicle recycling. <i>Epilepsia</i> , 2015, 56, 1899-1909.	5.1	39
23	Towards an Understanding of Energy Impairment in Huntington's Disease Brain. <i>Journal of Huntington's Disease</i> , 2017, 6, 267-302.	1.9	37
24	Contributions of Neuroscience Knowledge to Teachers and Their Practice. <i>Neuroscientist</i> , 2019, 25, 394-407.	3.5	37
25	Formation of acetylcholine receptor clusters in chick myotubes: migration or new insertion?. <i>Journal of Cell Biology</i> , 1989, 109, 1733-1743.	5.2	36
26	Non-Invasive Measurement of Cerebral Oxygen Metabolism in the Mouse Brain by Ultra-High Field ¹⁷O MR Spectroscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1846-1849.	4.3	33
27	Neuroscience knowledge enriches pedagogical choices. <i>Teaching and Teacher Education</i> , 2019, 83, 87-98.	3.2	31
28	Dearth of glutamate transporters contributes to striatal excitotoxicity. <i>Experimental Neurology</i> , 2004, 189, 222-230.	4.1	28
29	Neuroscientists' Classroom Visits Positively Impact Student Attitudes. <i>PLoS ONE</i> , 2013, 8, e84035.	2.5	27
30	Teaching Neuroscience to Science Teachers: Facilitating the Translation of Inquiry-Based Teaching Instruction to the Classroom. <i>CBE Life Sciences Education</i> , 2012, 11, 413-424.	2.3	26
31	Oxygen consumption deficit in Huntington disease mouse brain under metabolic stress. <i>Human Molecular Genetics</i> , 2016, 25, ddw138.	2.9	26
32	The Ability of Diphenylpiperazines to Prevent Neuronal Death in Dorsal Root Ganglion Neurons In Vitro After Nerve Growth Factor Deprivation and In Vivo After Axotomy. <i>Journal of Neurochemistry</i> , 1994, 62, 2148-2157.	3.9	22
33	Neuroscience Concepts Changed Teachers' Views of Pedagogy and Students. <i>Frontiers in Psychology</i> , 2021, 12, 685856.	2.1	13
34	Tiered Neuroscience and Mental Health Professional Development in Liberia Improves Teacher Self-Efficacy, Self-Responsibility, and Motivation. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 664730.	2.0	9
35	A role for cAMP in the development of functional neuromuscular transmission. <i>Journal of Neurobiology</i> , 1990, 21, 414-426.	3.6	8
36	Protective Roles of CNS Mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 299-302.	2.3	7

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37	Training-of-Trainers Neuroscience and Mental Health Teacher Education in Liberia Improves Self-Reported Support for Students. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 653069.	2.0	7
38	Calcium-induced activation of the mitochondrial permeability transition in hippocampal neurons. <i>Journal of Neuroscience Research</i> , 1998, 53, 728-741.	2.9	7
39	Seletracetam enhances short term depression in vitro. <i>Epilepsy Research</i> , 2015, 117, 17-22.	1.6	5
40	Learning Neuroscience with Technology: a Scaffolded, Active Learning Approach. <i>Journal of Science Education and Technology</i> , 2018, 27, 566-580.	3.9	5
41	Acceptability of Neuroscientific Interventions in Education. <i>Science and Engineering Ethics</i> , 2021, 27, 52.	2.9	3
42	Critical Response Protocol. <i>The Science Teacher</i> , 2016, 083, .	0.1	2
43	Active learning in a neuroethics course positively impacts moral judgment development in undergraduates. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2015, 13, A110-9.	0.0	2
44	EDTA-Induced Monovalent Fluxes through the Ca ²⁺ Uniporter in Brain Mitochondria. <i>Annals of the New York Academy of Sciences</i> , 1999, 893, 258-260.	3.8	1
45	A crossed-disciplinary evaluation of parental perceptions surrounding pediatric non-invasive brain stimulation research. <i>International Journal of Pharmaceutical and Healthcare Marketing</i> , 2020, 14, 623-640.	1.3	1
46	Connecting the Dots from Professional Development to Student Learning. <i>CBE Life Sciences Education</i> , 2021, 20, ar57.	2.3	1