

Bruce E Herring

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,569
citations

471509

17
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

2626
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Potentiation: From CaMKII to AMPA Receptor Trafficking. <i>Annual Review of Physiology</i> , 2016, 78, 351-365.	13.1	362
2	Cornichon Proteins Determine the Subunit Composition of Synaptic AMPA Receptors. <i>Neuron</i> , 2013, 77, 1083-1096.	8.1	133
3	Modeling microcephaly with cerebral organoids reveals a WDR62-CEP170-KIF2A pathway promoting cilium disassembly in neural progenitors. <i>Nature Communications</i> , 2019, 10, 2612.	12.8	125
4	Retromer Mediates a Discrete Route of Local Membrane Delivery to Dendrites. <i>Neuron</i> , 2014, 82, 55-62.	8.1	121
5	Localization of dopamine D2 receptors on cholinergic interneurons of the dorsal striatum and nucleus accumbens of the rat. <i>Brain Research</i> , 2003, 986, 22-29.	2.2	112
6	An autism spectrum disorder-related de novo mutation hotspot discovered in the GEF1 domain of Trio. <i>Nature Communications</i> , 2017, 8, 601.	12.8	93
7	Kalirin and Trio proteins serve critical roles in excitatory synaptic transmission and LTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2264-2269.	7.1	86
8	CaMKII phosphorylation of neuroligin-1 regulates excitatory synapses. <i>Nature Neuroscience</i> , 2014, 17, 56-64.	14.8	83
9	Isoflurane Inhibits the Neurotransmitter Release Machinery. <i>Journal of Neurophysiology</i> , 2009, 102, 1265-1273.	1.8	66
10	Ubiquitin ligase RNF167 regulates AMPA receptor-mediated synaptic transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19426-19431.	7.1	65
11	Is Aspartate an Excitatory Neurotransmitter?. <i>Journal of Neuroscience</i> , 2015, 35, 10168-10171.	3.6	56
12	Etomidate and propofol inhibit the neurotransmitter release machinery at different sites. <i>Journal of Physiology</i> , 2011, 589, 1103-1115.	2.9	43
13	Interaction of anesthetics with neurotransmitter release machinery proteins. <i>Journal of Neurophysiology</i> , 2013, 109, 758-767.	1.8	40
14	Kalirin and Trio: RhoGEFs in Synaptic Transmission, Plasticity, and Complex Brain Disorders. <i>Trends in Neurosciences</i> , 2020, 43, 505-518.	8.6	34
15	Ethanol-Induced Fos Immunoreactivity in the Extended Amygdala and Hypothalamus of the Rat Brain: Focus on Cholinergic Interneurons of the Nucleus Accumbens. <i>Alcoholism: Clinical and Experimental Research</i> , 2004, 28, 588-597.	2.4	31
16	An Intellectual Disability-Related Missense Mutation in Rac1 Prevents LTP Induction. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 223.	2.9	25
17	Distance-Dependent Scaling of AMPARs Is Cell-Autonomous and GluA2 Dependent. <i>Journal of Neuroscience</i> , 2013, 33, 13312-13319.	3.6	24
18	Tiam1 is Critical for Glutamatergic Synapse Structure and Function in the Hippocampus. <i>Journal of Neuroscience</i> , 2019, 39, 9306-9315.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Synaptic Kalirin-7 and Trio Interactomes Reveal a GEF Protein-Dependent Neuroligin-1 Mechanism of Action. <i>Cell Reports</i> , 2019, 29, 2944-2952.e5.	6.4	21
20	Autism Spectrum Disorder/Intellectual Disability-Associated Mutations in Trio Disrupt Neuroligin 1-Mediated Synaptogenesis. <i>Journal of Neuroscience</i> , 2021, 41, 7768-7778.	3.6	17
21	Schizophrenia-associated SAP97 mutations increase glutamatergic synapse strength in the dentate gyrus and impair contextual episodic memory in rats. <i>Nature Communications</i> , 2022, 13, 798.	12.8	8
22	An optogenetic method for investigating presynaptic molecular regulation. <i>Scientific Reports</i> , 2021, 11, 11329.	3.3	2