

# Bruce E Herring

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5733617/publications.pdf>

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  | 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         |
| 2  | An optogenetic method for investigating presynaptic molecular regulation. <i>Scientific Reports</i> , 2021, 11, 11329.   | 3.3  | 2         |
| 3  | 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        |
| 4  | Kalirin and Trio: RhoGEFs in Synaptic Transmission, Plasticity, and Complex Brain Disorders. <i>Trends in Neurosciences</i> , 2020, 43, 505-518.   | 8.6  | 34        |
| 5  | Tiam1 is Critical for Glutamatergic Synapse Structure and Function in the Hippocampus. <i>Journal of Neuroscience</i> , 2019, 39, 9306-9315.   | 3.6  | 22        |
| 6  | 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       |
| 7  | 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        |
| 8  | An Intellectual Disability-Related Missense Mutation in Rac1 Prevents LTP Induction. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 223.   | 2.9  | 25        |
| 9  | 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        |
| 10 | 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        |
| 11 | Long-Term Potentiation: From CaMKII to AMPA Receptor Trafficking. <i>Annual Review of Physiology</i> , 2016, 78, 351-365.  | 13.1 | 362       |
| 12 | Is Aspartate an Excitatory Neurotransmitter?. <i>Journal of Neuroscience</i> , 2015, 35, 10168-10171.  | 3.6  | 56        |
| 13 | Retromer Mediates a Discrete Route of Local Membrane Delivery to Dendrites. <i>Neuron</i> , 2014, 82, 55-62.   | 8.1  | 121       |
| 14 | CaMKII phosphorylation of neuroligin-1 regulates excitatory synapses. <i>Nature Neuroscience</i> , 2014, 17, 56-64.  | 14.8 | 83        |
| 15 | Distance-Dependent Scaling of AMPARs Is Cell-Autonomous and GluA2 Dependent. <i>Journal of Neuroscience</i> , 2013, 33, 13312-13319.   | 3.6  | 24        |
| 16 | Cornichon Proteins Determine the Subunit Composition of Synaptic AMPA Receptors. <i>Neuron</i> , 2013, 77, 1083-1096.  | 8.1  | 133       |
| 17 | Interaction of anesthetics with neurotransmitter release machinery proteins. <i>Journal of Neurophysiology</i> , 2013, 109, 758-767.   | 1.8  | 40        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | Etomidate and propofol inhibit the neurotransmitter release machinery at different sites. <i>Journal of Physiology</i> , 2011, 589, 1103-1115.  | 2.9 | 43        |
| 20 | Isoflurane Inhibits the Neurotransmitter Release Machinery. <i>Journal of Neurophysiology</i> , 2009, 102, 1265-1273.   | 1.8 | 66        |
| 21 | 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        |
| 22 | 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       |