

Jason M Christie

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,185
citations

567281

15
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Connexin36 Mediates Spike Synchrony in Olfactory Bulb Glomeruli. <i>Neuron</i> , 2005, 46, 761-772.	8.1	152
2	Multivesicular Release at Schaffer Collateral-CA1 Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2006, 26, 210-216.	3.6	132
3	SYNGAP1 heterozygosity disrupts sensory processing by reducing touch-related activity within somatosensory cortex circuits. <i>Nature Neuroscience</i> , 2018, 21, 1-13.	14.8	113
4	Ca ²⁺ -dependent enhancement of release by subthreshold somatic depolarization. <i>Nature Neuroscience</i> , 2011, 14, 62-68.	14.8	97
5	Lateral Excitation within the Olfactory Bulb. <i>Journal of Neuroscience</i> , 2006, 26, 2269-2277.	3.6	92
6	Dendritic NMDA Receptors Activate Axonal Calcium Channels. <i>Neuron</i> , 2008, 60, 298-307.	8.1	76
7	Distinct K ^v Channel Subtypes Contribute to Differences in Spike Signaling Properties in the Axon Initial Segment and Presynaptic Boutons of Cerebellar Interneurons. <i>Journal of Neuroscience</i> , 2014, 34, 6611-6623.	3.6	76
8	Graded Control of Climbing-Fiber-Mediated Plasticity and Learning by Inhibition in the Cerebellum. <i>Neuron</i> , 2018, 99, 999-1015.e6.	8.1	74
9	Synapse-Level Determination of Action Potential Duration by K ⁺ Channel Clustering in Axons. <i>Neuron</i> , 2016, 91, 370-383.	8.1	69
10	Movement Rate Is Encoded and Influenced by Widespread, Coherent Activity of Cerebellar Molecular Layer Interneurons. <i>Journal of Neuroscience</i> , 2017, 37, 4751-4765.	3.6	55
11	Selective Expression of Ligand-Gated Ion Channels in L5 Pyramidal Cell Axons. <i>Journal of Neuroscience</i> , 2009, 29, 11441-11450.	3.6	49
12	Rapid State-Dependent Alteration in Kv3 Channel Availability Drives Flexible Synaptic Signaling Dependent on Somatic Subthreshold Depolarization. <i>Cell Reports</i> , 2017, 18, 2018-2029.	6.4	45
13	Conversion of Graded Presynaptic Climbing Fiber Activity into Graded Postsynaptic Ca ²⁺ Signals by Purkinje Cell Dendrites. <i>Neuron</i> , 2019, 102, 762-769.e4.	8.1	29
14	Inhibition gates supralinear Ca ²⁺ signaling in Purkinje cell dendrites during practiced movements. <i>ELife</i> , 2018, 7, .	6.0	27
15	Using c-kit to genetically target cerebellar molecular layer interneurons in adult mice. <i>PLoS ONE</i> , 2017, 12, e0179347.	2.5	25
16	Chronic imaging of movement-related Purkinje cell calcium activity in awake behaving mice. <i>Journal of Neurophysiology</i> , 2016, 115, 413-422.	1.8	23
17	Autonomous Purkinje cell activation instructs bidirectional motor learning through evoked dendritic calcium signaling. <i>Nature Communications</i> , 2021, 12, 2153.	12.8	15
18	A deep learning approach to identifying immunogold particles in electron microscopy images. <i>Scientific Reports</i> , 2021, 11, 7771.	3.3	14

#	ARTICLE	IF	CITATIONS
19	Cerebellum encodes and influences the initiation, performance, and termination of discontinuous movements in mice. <i>ELife</i> , 2022, 11, .	6.0	11
20	Mechanisms and consequences of cerebellar Purkinje cell disinhibition in a mouse model of Duchenne muscular dystrophy. <i>Journal of Neuroscience</i> , 2022, , JN-RM-1256-21.	3.6	4