

Jana Hartmann

List of Publications by Year in descending order

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28
papers

2,046
citations

331670

21
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

2822
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPC3 Channels Are Required for Synaptic Transmission and Motor Coordination. <i>Neuron</i> , 2008, 59, 392-398.	8.1	356
2	Cell-type-specific profiling of brain mitochondria reveals functional and molecular diversity. <i>Nature Neuroscience</i> , 2019, 22, 1731-1742.	14.8	181
3	STIM1 Controls Neuronal Ca ²⁺ Signaling, mGluR1-Dependent Synaptic Transmission, and Cerebellar Motor Behavior. <i>Neuron</i> , 2014, 82, 635-644.	8.1	162
4	Calbindin in Cerebellar Purkinje Cells Is a Critical Determinant of the Precision of Motor Coordination. <i>Journal of Neuroscience</i> , 2003, 23, 3469-3477.	3.6	158
5	Impairment of LTD and cerebellar learning by Purkinje cell-specific ablation of cGMP-dependent protein kinase I. <i>Journal of Cell Biology</i> , 2003, 163, 295-302.	5.2	136
6	An assay to image neuronal microtubule dynamics in mice. <i>Nature Communications</i> , 2014, 5, 4827.	12.8	132
7	Determinants of postsynaptic Ca ²⁺ signaling in Purkinje neurons. <i>Cell Calcium</i> , 2005, 37, 459-466.	2.4	88
8	Homosynaptic Long-Term Synaptic Potentiation of the "Winner" Climbing Fiber Synapse in Developing Purkinje Cells. <i>Journal of Neuroscience</i> , 2008, 28, 798-807.	3.6	79
9	Functional GABA receptors on human glioma cells. <i>European Journal of Neuroscience</i> , 1998, 10, 231-238.	2.6	77
10	Distinct Roles of G _A q and G _A i1 for Purkinje Cell Signaling and Motor Behavior. <i>Journal of Neuroscience</i> , 2004, 24, 5119-5130.	3.6	74
11	A novel Ca ²⁺ -dependent step in exocytosis subsequent to vesicle fusion. <i>FEBS Letters</i> , 1995, 363, 217-220.	2.8	66
12	Requirement of TrkB for synapse elimination in developing cerebellar Purkinje cells. <i>Brain Cell Biology</i> , 2007, 35, 87-101.	3.2	61
13	NMDA Receptor-Dependent Synaptic Activation of TRPC Channels in Olfactory Bulb Granule Cells. <i>Journal of Neuroscience</i> , 2012, 32, 5737-5746.	3.6	61
14	Relations between intracellular Ca ²⁺ stores and store-operated Ca ²⁺ entry in primary cultured human glioblastoma cells. <i>Journal of Physiology</i> , 1998, 513, 411-424.	2.9	60
15	mGluR1/TRPC3-mediated Synaptic Transmission and Calcium Signaling in Mammalian Central Neurons. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a006726-a006726.	5.5	52
16	TRPC3 is a major contributor to functional heterogeneity of cerebellar Purkinje cells. <i>ELife</i> , 2019, 8, .	6.0	45
17	Early Onset of Ataxia in Moonwalker Mice Is Accompanied by Complete Ablation of Type II Unipolar Brush Cells and Purkinje Cell Dysfunction. <i>Journal of Neuroscience</i> , 2013, 33, 19689-19694.	3.6	41
18	Two types of functionally distinct Ca ²⁺ stores in hippocampal neurons. <i>Nature Communications</i> , 2019, 10, 3223.	12.8	34

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19	Glutamate receptor activation can trigger electrical activity in human glioma cells. <i>European Journal of Neuroscience</i> , 1998, 10, 2153-2162.	2.6	31
20	Transient Receptor Potential Canonical 3 (TRPC3) Channels Are Required for Hypothalamic Glucose Detection and Energy Homeostasis. <i>Diabetes</i> , 2017, 66, 314-324.	0.6	27
21	Mechanisms of metabotropic glutamate receptor-mediated synaptic signalling in cerebellar Purkinje cells. <i>Acta Physiologica</i> , 2009, 195, 79-90.	3.8	26
22	Abolishing cAMP sensitivity in HCN2 pacemaker channels induces generalized seizures. <i>JCI Insight</i> , 2019, 4, .	5.0	23
23	TRPC3-dependent synaptic transmission in central mammalian neurons. <i>Journal of Molecular Medicine</i> , 2015, 93, 983-989.	3.9	21
24	Differential Regulation of Exocytotic Fusion and Granule-Granule Fusion in Eosinophils by Ca ²⁺ and GTP Analogs. <i>Journal of Biological Chemistry</i> , 2003, 278, 44929-44934.	3.4	19
25	P/Q-type and T-type calcium channels, but not type 3 transient receptor potential cation channels, are involved in inhibition of dendritic growth after chronic metabotropic glutamate receptor type 1 and protein kinase C activation in cerebellar Purkinje cells. <i>European Journal of Neuroscience</i> , 2012, 35, 20-33.	2.6	18
26	Three Distinct Fusion Processes during Eosinophil Degranulation. <i>Annals of the New York Academy of Sciences</i> , 1994, 710, 232-247.	3.8	13
27	Where have all the Orais gone? Commentary on "Orai1 channels are essential for amplification of glutamate-evoked Ca ²⁺ signals in dendritic spines to regulate working and associative memory". <i>Cell Calcium</i> , 2021, 96, 102372.	2.4	3
28	Calcium and Exocytosis. , 1998, , 199-238.		0