

Christina Spilker

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,952
citations

361413

20
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	Autistic-like behaviours and hyperactivity in mice lacking ProSAP1/Shank2. <i>Nature</i> , 2012, 486, 256-260.	27.8	570
2	Caldendrinâ€“Jacob: A Protein Liaison That Couples NMDA Receptor Signalling to the Nucleus. <i>PLoS Biology</i> , 2008, 6, e34.	5.6	177
3	Encoding and Transducing the Synaptic or Extrasynaptic Origin of NMDA Receptor Signals to the Nucleus. <i>Cell</i> , 2013, 152, 1119-1133.	28.9	173
4	C-terminal synaptic targeting elements for postsynaptic density proteins ProSAP1/Shank2 and ProSAP2/Shank3. <i>Journal of Neurochemistry</i> , 2005, 92, 519-524.	3.9	112
5	Functional regions of the presynaptic cytomatrix protein bassoon: significance for synaptic targeting and cytomatrix anchoring. <i>Molecular and Cellular Neurosciences</i> , 2003, 23, 279-291.	2.2	103
6	Reversible Translocation and Activity-Dependent Localization of the Calciumâ€“Myristoyl Switch Protein VILIP-1 to Different Membrane Compartments in Living Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 7331-7339.	3.6	77
7	Caldendrin Directly Couples Postsynaptic Calcium Signals to Actin Remodeling in Dendritic Spines. <i>Neuron</i> , 2018, 97, 1110-1125.e14.	8.1	68
8	Abnormal Localization of Two Neuronal Calcium Sensor Proteins, Visinin-Like Proteins (VILIPs)-1 and -3, in Neocortical Brain Areas of Alzheimer Disease Patients. <i>Dementia and Geriatric Cognitive Disorders</i> , 2001, 12, 110-116.	1.5	65
9	SIPA1L2 controls trafficking and local signaling of TrkB-containing amphisomes at presynaptic terminals. <i>Nature Communications</i> , 2019, 10, 5448.	12.8	64
10	ProSAP-interacting Protein 1 (ProSAPiP1), a Novel Protein of the Postsynaptic Density That Links the Spine-associated Rap-Gap (SPAR) to the Scaffolding Protein ProSAP2/Shank3. <i>Journal of Biological Chemistry</i> , 2006, 281, 13805-13816.	3.4	60
11	The neuronal EF-hand calcium-binding protein visinin-like protein-3 is expressed in cerebellar Purkinje cells and shows a calcium-dependent membrane association. <i>Neuroscience</i> , 2000, 96, 121-129.	2.3	56
12	Intracellular neuronal calcium sensor (NCS) protein VILIP-1 modulates cGMP signalling pathways in transfected neural cells and cerebellar granule neurones. <i>Journal of Neurochemistry</i> , 2001, 78, 1277-1286.	3.9	55
13	The Neuronal Calciumâ€“Sensor Protein VILIP Modulates Cyclic AMP Accumulation in Stably Transfected C6 Glioma Cells: Aminoâ€“Terminal Myristoylation Determines Functional Activity. <i>Journal of Neurochemistry</i> , 1997, 68, 2129-2139.	3.9	53
14	RapGAPs in brain: multipurpose players in neuronal Rap signalling. <i>European Journal of Neuroscience</i> , 2010, 32, 1-9.	2.6	50
15	Hippocampal expression of the calcium sensor protein visinin-like protein-1 in schizophrenia. <i>NeuroReport</i> , 2002, 13, 393-396.	1.2	42
16	Calciumâ€“myristoyl switch, subcellular localization, and calcium-dependent translocation of the neuronal calcium sensor protein VILIP-3, and comparison with VILIP-1 in hippocampal neuronsâ†. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 766-778.	2.2	40
17	A Jacob/Nsmf Gene Knockout Results in Hippocampal Dysplasia and Impaired BDNF Signaling in Dendritogenesis. <i>PLoS Genetics</i> , 2016, 12, e1005907.	3.5	36
18	SPAR2, a novel SPARâ€“related protein with GAP activity for Rap1 and Rap2. <i>Journal of Neurochemistry</i> , 2008, 104, 187-201.	3.9	35

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19	Brain region-specific changes in the expression of calcium sensor proteins after repeated applications of ketamine to rats. <i>Neuroscience Letters</i> , 2003, 339, 95-98.	2.1	34
20	Calcium- and myristoyl-dependent subcellular localization of the neuronal calcium-binding protein VILIP in transfected PC12 cells. <i>Neuroscience Letters</i> , 1997, 225, 126-128.	2.1	24
21	Ca ²⁺ -independent binding and cellular expression profiles question a significant role of calmyrin in transduction of Ca ²⁺ -signals to Alzheimer's disease-related presenilin 2 in forebrain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 66-72.	3.8	18
22	Antagonistic effects of TrkB and p75NTR on NMDA receptor currents in post-synaptic densities transplanted into <i>Xenopus</i> oocytes. <i>Journal of Neurochemistry</i> , 2007, 101, 1672-1684.	3.9	16
23	Molecular Dynamics of the Neuronal EF-Hand Ca ²⁺ -Sensor Caldendrin. <i>PLoS ONE</i> , 2014, 9, e103186.	2.5	14
24	What do we learn from the murine <i>Jacob/Nsmf</i> gene knockout for human disease?. <i>Rare Diseases (Austin, Tex)</i> , 2016, 4, e1241361.	1.8	8