

Vladimir N Sytnyk

List of Publications by Year in descending order

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49
papers

3,082
citations

172457

29
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

3994
citing authors

#	ARTICLE	IF	CITATIONS
1	Prion protein recruits its neuronal receptor NCAM to lipid rafts to activate p59fyn and to enhance neurite outgrowth. <i>Journal of Cell Biology</i> , 2005, 169, 341-354.	5.2	361
2	Cosignaling of NCAM via lipid rafts and the FGF receptor is required for neuritogenesis. <i>Journal of Cell Biology</i> , 2002, 157, 521-532.	5.2	259
3	Polysialylated Neural Cell Adhesion Molecule Promotes Remodeling and Formation of Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2004, 24, 9372-9382.	3.6	244
4	Neural Cell Adhesion Molecules of the Immunoglobulin Superfamily Regulate Synapse Formation, Maintenance, and Function. <i>Trends in Neurosciences</i> , 2017, 40, 295-308.	8.6	180
5	Controlling the size of lipid droplets: lipid and protein factors. <i>Current Opinion in Cell Biology</i> , 2012, 24, 509-516.	5.4	161
6	Neural cell adhesion molecule promotes accumulation of TGN organelles at sites of neuron-to-neuron contacts. <i>Journal of Cell Biology</i> , 2002, 159, 649-661.	5.2	151
7	Neural cell adhesion molecule (NCAM) association with PKC ζ 2 via β 1 spectrin is implicated in NCAM-mediated neurite outgrowth. <i>Journal of Cell Biology</i> , 2003, 161, 625-639.	5.2	138
8	RPTP α is essential for NCAM-mediated p59fyn activation and neurite elongation. <i>Journal of Cell Biology</i> , 2005, 168, 127-139.	5.2	121
9	NCAM promotes assembly and activity-dependent remodeling of the postsynaptic signaling complex. <i>Journal of Cell Biology</i> , 2006, 174, 1071-1085.	5.2	109
10	Glial Scar Expression of CHL1, the Close Homolog of the Adhesion Molecule L1, Limits Recovery after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2007, 27, 7222-7233.	3.6	95
11	The Adhesion Molecule CHL1 Regulates Uncoating of Clathrin-Coated Synaptic Vesicles. <i>Neuron</i> , 2006, 52, 1011-1025.	8.1	86
12	The Neural Cell Adhesion Molecule Regulates Cell-Surface Delivery of G-Protein-Activated Inwardly Rectifying Potassium Channels Via Lipid Rafts. <i>Journal of Neuroscience</i> , 2002, 22, 7154-7164.	3.6	84
13	Trans-Golgi network delivery of synaptic proteins in synaptogenesis. <i>Journal of Cell Science</i> , 2004, 117, 381-388.	2.0	72
14	β 2-dependent reduction of NCAM2-mediated synaptic adhesion contributes to synapse loss in Alzheimer's disease. <i>Nature Communications</i> , 2015, 6, 8836.	12.8	70
15	Cell adhesion and intracellular calcium signaling in neurons. <i>Cell Communication and Signaling</i> , 2013, 11, 94.	6.5	56
16	Synaptic Cell Adhesion Molecules in Alzheimer's Disease. <i>Neural Plasticity</i> , 2016, 2016, 1-9.	2.2	56
17	Reciprocal Interactions between Cell Adhesion Molecules of the Immunoglobulin Superfamily and the Cytoskeleton in Neurons. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 9.	3.7	54
18	CHL1 Is a Selective Organizer of the Presynaptic Machinery Chaperoning the SNARE Complex. <i>PLoS ONE</i> , 2010, 5, e12018.	2.5	51

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19	Cellular Form of Prion Protein Inhibits Reelin-Mediated Shedding of Caspr from the Neuronal Cell Surface to Potentiate Caspr-Mediated Inhibition of Neurite Outgrowth. <i>Journal of Neuroscience</i> , 2010, 30, 9292-9305.	3.6	51
20	Clustering of the Neural Cell Adhesion Molecule (NCAM) at the Neuronal Cell Surface Induces Caspase-8- and -3-dependent Changes of the Spectrin Meshwork Required for NCAM-mediated Neurite Outgrowth. <i>Journal of Biological Chemistry</i> , 2010, 285, 42046-42057.	3.4	51
21	Neural Cell Adhesion Molecule 2 Promotes the Formation of Filopodia and Neurite Branching by Inducing Submembrane Increases in Ca ²⁺ Levels. <i>Journal of Neuroscience</i> , 2015, 35, 1739-1752.	3.6	49
22	Age-dependent loss of parvalbumin-expressing hippocampal interneurons in mice deficient in <i>CHL1</i> , a mental retardation and schizophrenia susceptibility gene. <i>Journal of Neurochemistry</i> , 2015, 135, 830-844.	3.9	48
23	KCa1.1, a calcium-activated potassium channel subunit alpha 1, is targeted by miR-17-5p and modulates cell migration in malignant pleural mesothelioma. <i>Molecular Cancer</i> , 2016, 15, 44.	19.2	46
24	The Neural Cell Adhesion Molecule Promotes Maturation of the Presynaptic Endocytotic Machinery by Switching Synaptic Vesicle Recycling from Adaptor Protein 3 (AP-3)- to AP-2-Dependent Mechanisms. <i>Journal of Neuroscience</i> , 2013, 33, 16828-16845.	3.6	43
25	NCAM induces CaMKII-mediated RPTP phosphorylation to enhance its catalytic activity and neurite outgrowth. <i>Journal of Cell Biology</i> , 2008, 182, 1185-1200.	5.2	42
26	The Neural Cell Adhesion Molecule Promotes FGFR-Dependent Phosphorylation and Membrane Targeting of the Exocyst Complex to Induce Exocytosis in Growth Cones. <i>Journal of Neuroscience</i> , 2011, 31, 3522-3535.	3.6	40
27	The Neural Cell Adhesion Molecule (NCAM) Associates with and Signals through p21-Activated Kinase 1 (Pak1). <i>Journal of Neuroscience</i> , 2013, 33, 790-803.	3.6	37
28	L1CAM increases MAP2 expression via the MAPK pathway to promote neurite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2012, 50, 169-178.	2.2	35
29	NCAM/Spectrin Complex Disassembly Results in PSD Perforation and Postsynaptic Endocytic Zone Formation. <i>Cerebral Cortex</i> , 2011, 21, 2217-2232.	2.9	31
30	Lipid Raft-dependent Endocytosis of Close Homolog of Adhesion Molecule L1 (CHL1) Promotes Neuritogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 44447-44463.	3.4	28
31	Glycosylphosphatidylinositol-Anchored Immunoglobulin Superfamily Cell Adhesion Molecules and Their Role in Neuronal Development and Synapse Regulation. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 378.	2.9	28
32	Neural glycomics: the sweet side of nervous system functions. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 93-116.	5.4	25
33	Electroporation-based gene transfer for efficient transfection of neural precursor cells. <i>Molecular Brain Research</i> , 2005, 138, 182-190.	2.3	20
34	PI4KII phosphorylation by GSK3 directs vesicular trafficking to lysosomes. <i>Biochemical Journal</i> , 2014, 464, 145-156.	3.7	19
35	Neural Cell Adhesion Molecule 2 (NCAM2)-Induced c-Src-Dependent Propagation of Submembrane Ca ²⁺ Spikes Along Dendrites Inhibits Synapse Maturation. <i>Cerebral Cortex</i> , 2019, 29, 1439-1459.	2.9	19
36	Cell Adhesion Molecules and Protein Synthesis Regulation in Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 592126.	2.9	16

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37	Cell Adhesion Molecule Close Homolog of L1 (CHL1) Guides the Regrowth of Regenerating Motor Axons and Regulates Synaptic Coverage of Motor Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 174.	2.9	15
38	Kinesin-1 promotes post-Golgi trafficking of NCAM140 and NCAM180 to the cell surface. <i>Journal of Cell Science</i> , 2015, 128, 2816-29.	2.0	14
39	NCAM regulates temporal specification of neural progenitor cells via profilin2 during corticogenesis. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	14
40	Transcriptional regulation of long-term potentiation. <i>Neurogenetics</i> , 2016, 17, 201-210.	1.4	13
41	Immobilized Pool of NCAM180 in the Postsynaptic Membrane Is Homeostatically Replenished by the Flux of NCAM180 from Extrasynaptic Regions. <i>Journal of Biological Chemistry</i> , 2011, 286, 23397-23406.	3.4	11
42	Early transcriptome changes in response to chemical long-term potentiation induced via activation of synaptic NMDA receptors in mouse hippocampal neurons. <i>Genomics</i> , 2019, 111, 1676-1686.	2.9	10
43	Trafficking and Activity of Glutamate and GABA Receptors: Regulation by Cell Adhesion Molecules. <i>Neuroscientist</i> , 2020, 26, 415-437.	3.5	10
44	Intracellular transport and cell surface delivery of the neural cell adhesion molecule (NCAM). <i>Bioarchitecture</i> , 2015, 5, 54-60.	1.5	8
45	Replicable Expansion and Differentiation of Neural Precursors from Adult Canine Skin. <i>Stem Cell Reports</i> , 2017, 9, 557-570.	4.8	6
46	RNA polyadenylation patterns in the human transcriptome. <i>Gene</i> , 2022, 816, 146133.	2.2	4
47	Title is missing!. <i>Neurophysiology</i> , 2001, 33, 11-14.	0.3	0
48	Diffusion and Active Transport of NCAM within the Neuronal Plasma Membrane. <i>Neurophysiology</i> , 2001, 33, 140-147.	0.3	0
49	Editorial: From Structure to Function - The Interplay Between Cell Adhesion Molecules and the Cytoskeleton. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 104.	3.7	0