

Marina Mikhaylova

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,145
citations

186265

28
h-index

168389

53
g-index

71
all docs

71
docs citations

71
times ranked

4389
citing authors

#	ARTICLE	IF	CITATIONS
1	TRAK/Milton Motor-Adaptor Proteins Steer Mitochondrial Trafficking to Axons and Dendrites. <i>Neuron</i> , 2013, 77, 485-502.	8.1	336
2	Early neuronal dysfunction by amyloid β^2 oligomers depends on activation of NR2B-containing NMDA receptors. <i>Neurobiology of Aging</i> , 2011, 32, 2219-2228.	3.1	223
3	Microtubule Minus-End Binding Protein CAMSAP2 Controls Axon Specification and Dendrite Development. <i>Neuron</i> , 2014, 82, 1058-1073.	8.1	193
4	Calendrin β -Jacob: A Protein Liaison That Couples NMDA Receptor Signalling to the Nucleus. <i>PLoS Biology</i> , 2008, 6, e34.	5.6	177
5	Resolving bundled microtubules using anti-tubulin nanobodies. <i>Nature Communications</i> , 2015, 6, 7933.	12.8	174
6	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
7	Involvement of Protein Synthesis and Degradation in Long-Term Potentiation of Schaffer Collateral CA1 Synapses. <i>Journal of Neuroscience</i> , 2006, 26, 4949-4955.	3.6	153
8	Dendritic Actin Cytoskeleton: Structure, Functions, and Regulations. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 147.	3.7	133
9	A Dendritic Golgi Satellite between ERGIC and Retromer. <i>Cell Reports</i> , 2016, 14, 189-199.	6.4	99
10	Kinesin-Binding Protein Controls Microtubule Dynamics and Cargo Trafficking by Regulating Kinesin Motor Activity. <i>Current Biology</i> , 2016, 26, 849-861.	3.9	82
11	Periodic F-actin structures shape the neck of dendritic spines. <i>Scientific Reports</i> , 2016, 6, 37136.	3.3	80
12	Quantitative Map of Proteome Dynamics during Neuronal Differentiation. <i>Cell Reports</i> , 2017, 18, 1527-1542.	6.4	79
13	Calneurons provide a calcium threshold for <i>trans</i> -Golgi network to plasma membrane trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9093-9098.	7.1	70
14	Enzyme replacement therapy with recombinant pro-CTSD (cathepsin D) corrects defective proteolysis and autophagy in neuronal ceroid lipofuscinosis. <i>Autophagy</i> , 2020, 16, 811-825.	9.1	70
15	Calendrin Directly Couples Postsynaptic Calcium Signals to Actin Remodeling in Dendritic Spines. <i>Neuron</i> , 2018, 97, 1110-1125.e14.	8.1	68
16	Probing cytoskeletal modulation of passive and active intracellular dynamics using nanobody-functionalized quantum dots. <i>Nature Communications</i> , 2017, 8, 14772.	12.8	65
17	F-actin patches associated with glutamatergic synapses control positioning of dendritic lysosomes. <i>EMBO Journal</i> , 2019, 38, e101183.	7.8	54
18	Between promiscuity and specificity: novel roles of EF β and calcium sensors in neuronal Ca ²⁺ signalling. <i>Journal of Neurochemistry</i> , 2011, 118, 695-713.	3.9	53

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19	A comparison of the synaptic proteome in human chronic schizophrenia and rat ketamine psychosis suggest that prohibitin is involved in the synaptic pathology of schizophrenia. <i>Molecular Psychiatry</i> , 2008, 13, 878-896.	7.9	51
20	Intracellular Calcium Levels Determine Differential Modulation of Allosteric Interactions within G Protein-Coupled Receptor Heteromers. <i>Chemistry and Biology</i> , 2014, 21, 1546-1556.	6.0	51
21	Neuronal Ca ²⁺ signaling via caldendrin and calneurons. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1229-1237.	4.1	48
22	Nuclear Translocation of Jacob in Hippocampal Neurons after Stimuli Inducing Long-Term Potentiation but Not Long-Term Depression. <i>PLoS ONE</i> , 2011, 6, e17276.	2.5	46
23	NCS-1 associates with adenosine A _{2A} receptors and modulates receptor function. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 53.	2.9	46
24	In vivo regulation of the A disintegrin and metalloproteinase 10 (ADAM10) by the tetraspanin 15. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3251-3267.	5.4	37
25	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
26	Clinical relevance of cytoskeleton associated proteins for ovarian cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2018, 144, 2195-2205.	2.5	35
27	Cytoskeletal makeup of the synapse: Shaft versus spine. <i>Cytoskeleton</i> , 2020, 77, 55-64.	2.0	33
28	Super-Resolution Microscopy of the Neuronal Calcium-Binding Proteins Calneuron-1 and Caldendrin. <i>Methods in Molecular Biology</i> , 2013, 963, 147-169.	0.9	31
29	Microtubules Modulate F-actin Dynamics during Neuronal Polarization. <i>Scientific Reports</i> , 2017, 7, 9583.	3.3	30
30	Myosin V regulates synaptopodin clustering and localization in dendrites of hippocampal neurons. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	30
31	Cyclase-associated protein 2 dimerization regulates cofilin in synaptic plasticity and Alzheimer's disease. <i>Brain Communications</i> , 2020, 2, fcaa086.	3.3	29
32	Post-translational Membrane Insertion of Tail-anchored Transmembrane EF-hand Ca ²⁺ Sensor Calneurons Requires the TRC40/Asna1 Protein Chaperone. <i>Journal of Biological Chemistry</i> , 2011, 286, 36762-36776.	3.4	28
33	Dendritic mRNA Targeting of Jacob and N-Methyl-d-aspartate-induced Nuclear Translocation after Calpain-mediated Proteolysis. <i>Journal of Biological Chemistry</i> , 2009, 284, 25431-25440.	3.4	25
34	Cellular distribution of the NMDA-receptor activated synapto-nuclear messenger Jacob in the rat brain. <i>Brain Structure and Function</i> , 2014, 219, 843-860.	2.3	23
35	Strong fascin expression promotes metastasis independent of its F-actin bundling activity. <i>Oncotarget</i> , 2017, 8, 110077-110091.	1.8	23
36	Radial somatic F-actin organization affects growth cone dynamics during early neuronal development. <i>EMBO Reports</i> , 2019, 20, e47743.	4.5	20

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37	Efficient switching of mCherry fluorescence using chemical caging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7013-7018.	7.1	19
38	Conserved Tao Kinase Activity Regulates Dendritic Arborization, Cytoskeletal Dynamics, and Sensory Function in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2020, 40, 1819-1833.	3.6	19
39	Ligands binding to the prion protein induce its proteolytic release with therapeutic potential in neurodegenerative proteinopathies. <i>Science Advances</i> , 2021, 7, eabj1826.	10.3	18
40	AKAP79/150 interacts with the neuronal calcium-binding protein caldendrin. <i>Journal of Neurochemistry</i> , 2012, 122, 714-726.	3.9	17
41	Dynamic cellular translocation of caldendrin is facilitated by the Ca ²⁺ -myristoyl switch of recoverin. <i>Journal of Neurochemistry</i> , 2010, 113, 1150-1162.	3.9	16
42	Direct and indirect effects of tubulin post-translational modifications on microtubule stability: Insights and regulations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119241.	4.1	16
43	Molecular Dynamics of the Neuronal EF-Hand Ca ²⁺ -Sensor Caldendrin. <i>PLoS ONE</i> , 2014, 9, e103186.	2.5	14
44	Autism-associated SHANK3 missense point mutations impact conformational fluctuations and protein turnover at synapses. <i>ELife</i> , 2021, 10, .	6.0	14
45	Caldendrin and myosin V regulate synaptic spine apparatus localization via ER stabilization in dendritic spines. <i>EMBO Journal</i> , 2022, 41, e106523.	7.8	13
46	Binding of Y-P30 to Syndecan 2/3 Regulates the Nuclear Localization of CASK. <i>PLoS ONE</i> , 2014, 9, e85924.	2.5	12
47	Alternative Splicing, Expression and Cellular Localization of Calneuron-1 in the Rat and Human Brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 793-804.	2.5	12
48	Talking to the neighbours: The molecular and physiological mechanisms of clustered synaptic plasticity. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 352-361.	6.1	11
49	Multiomics of synaptic junctions reveals altered lipid metabolism and signaling following environmental enrichment. <i>Cell Reports</i> , 2021, 37, 109797.	6.4	11
50	A plasmid-based expression system to study protein-protein interactions at the Golgi in vivo. <i>Analytical Biochemistry</i> , 2016, 502, 50-52.	2.4	7
51	Actomyosin Contractility in the Generation and Plasticity of Axons and Dendritic Spines. <i>Cells</i> , 2020, 9, 2006.	4.1	7
52	Spike-timing-dependent plasticity rewards synchrony rather than causality. <i>Cerebral Cortex</i> , 2022, 33, 23-34.	2.9	7
53	Role of neuronal Ca ²⁺ -sensor proteins in Golgi-cell-surface membrane traffic. <i>Biochemical Society Transactions</i> , 2010, 38, 177-180.	3.4	6
54	Isolation of CA1 Nuclear Enriched Fractions from Hippocampal Slices to Study Activity-dependent Nuclear Import of Synapto-nuclear Messenger Proteins. <i>Journal of Visualized Experiments</i> , 2014, , e51310.	0.3	6

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55	Analysis of Y-P30/Dermcidin expression and properties of the Y-P30 peptide. BMC Research Notes, 2014, 7, 400.	1.4	4
56	Structural differences between the SH3-HOOK-GuK domains of SAP90/PSD-95 and SAP97. Protein Expression and Purification, 2009, 68, 201-207.	1.3	1
57	Clustered plasticity in Long-Term Potentiation: How strong synapses persist to maintain long-term memory. Neuroforum, 2018, 24, A127-A132.	0.3	1
58	Regulation of microtubule detyrosination by Ca ²⁺ and conventional calpains. Journal of Cell Science, 2022, 135, .	2.0	1
59	Geclusterte Plastizität bei Langzeitpotenzierung: Wie starke Synapsen bestehen bleiben, um Langzeitgedächtnis aufrechtzuerhalten. Neuroforum, 2018, 24, 195-201.	0.3	0
60	Single Molecule Localization Microscopy to Study Neuronal Microtubule Organization. Neuromethods, 2015, , 389-408.	0.3	0