Morgan Sheng

List of Publications by Year
in descending order

238 papers	58,958 citations	529 127 h-index	1116 231 g-index
248 all docs	248 docs citations	248 times ranked	45710 citing authors

#	Article	IF	Citations
1	NMDA receptor-dependent prostaglandin-endoperoxide synthase 2 induction in neurons promotes glial proliferation during brain development and injury. Cell Reports, 2022, 38, 110557.	6.4	8
2	Regulation of purine metabolism connects KCTD13 to a metabolic disorder with autistic features. IScience, 2021, 24, 101935.	4.1	7
3	Multiple sclerosis risk gene Mertk is required for microglial activation and subsequent remyelination. Cell Reports, 2021, 34, 108835.	6.4	61
4	Trem2 restrains the enhancement of tau accumulation and neurodegeneration by Î²-amyloid pathology. Neuron, 2021, 109, 1283-1301.e6.	8.1	137
5	TREM2-independent oligodendrocyte, astrocyte, and TÂcell responses to tau and amyloid pathology in mouse models of Alzheimer disease. Cell Reports, 2021, 37, 110158.	6.4	33
6	Genome-Wide Analysis of Differential Gene Expression and Splicing in Excitatory Neurons and Interneuron Subtypes. Journal of Neuroscience, 2020, 40, 958-973.	3.6	51
7	PCDH7 interacts with GluN1 and regulates dendritic spine morphology and synaptic function. Scientific Reports, 2020, 10, 10951.	3.3	17
8	Trem2 Deletion Reduces Late-Stage Amyloid Plaque Accumulation, Elevates the AÎ²42:AÎ²40 Ratio, and Exacerbates Axonal Dystrophy and Dendritic Spine Loss in the PS2APP Alzheimer's Mouse Model. Journal of Neuroscience, 2020, 40, 1956-1974.	3.6	114
9	GluN2A NMDA Receptor Enhancement Improves Brain Oscillations, Synchrony, and Cognitive Functions in Dravet Syndrome and Alzheimerâ€™s Disease Models. Cell Reports, 2020, 30, 381-396.e4.	6.4	51
10	Global site-specific neddylation profiling reveals that NEDDylated cofilin regulates actin dynamics. Nature Structural and Molecular Biology, 2020, 27, 210-220.	8.2	61
11	Complement C3 Is Activated in Human AD Brain and Is Required for Neurodegeneration in Mouse Models of Amyloidosis and Tauopathy. Cell Reports, 2019, 28, 2111-2123.e6.	6.4	271
12	Microglia in Brain Development, Homeostasis, and Neurodegeneration. Annual Review of Genetics, 2019, 53, 263-288.	7.6	121
13	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. Neuron, 2019, 103, 217-234.e4.	8.1	518
14	PTCD1 Is Required for Mitochondrial Oxidative-Phosphorylation: Possible Genetic Association with Alzheimer's Disease. Journal of Neuroscience, 2019, 39, 4636-4656.	3.6	26
15	Morgan Sheng. Nature Reviews Drug Discovery, 2018, 17, 88-89.	46.4	2
16	Microglia in Alzheimerâ€™s disease. Journal of Cell Biology, 2018, 217, 459-472.	5.2	1,188
17	Changes in the Synaptic Proteome in Tauopathy and Rescue of Tau-Induced Synapse Loss by C1q Antibodies. Neuron, 2018, 100, 1322-1336.e7.	8.1	330
18	Morgan Sheng. Neuron, 2018, 98, 1072-1074.	8.1	0

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19	USP8 Deubiquitinates SHANK3 to Control Synapse Density and SHANK3 Activity-Dependent Protein Levels. Journal of Neuroscience, 2018, 38, 5289-5301.	3.6	41
20	TREM2, Microglia, and Neurodegenerative Diseases. Trends in Molecular Medicine, 2017, 23, 512-533.	6.7	327
21	A meta-analysis of genome-wide association studies identifies 17 new Parkinson's disease risk loci. Nature Genetics, 2017, 49, 1511-1516.	21.4	944
22	Progranulin deficiency causes impairment of autophagy and TDP-43 accumulation. Journal of Experimental Medicine, 2017, 214, 2611-2628.	8.5	101
23	Characterization of Social Behaviors in caspase-3 deficient mice. Scientific Reports, 2016, 6, 18335.	3.3	43
24	Mechanisms of mitophagy: PINK1, Parkin, USP30 and beyond. Free Radical Biology and Medicine, 2016, 100, 210-222.	2.9	232
25	Interfering with the Chronic Immune Response Rescues Chronic Degeneration After Traumatic Brain Injury. Journal of Neuroscience, 2016, 36, 9962-9975.	3.6	79
26	TREM2 Binds to Apolipoproteins, Including APOE and CLU/APOJ, and Thereby Facilitates Uptake of Amyloid-Beta by Microglia. Neuron, 2016, 91, 328-340.	8.1	643
27	Positive Allosteric Modulators of GluN2A-Containing NMDARs with Distinct Modes of Action and Impacts on Circuit Function. Neuron, 2016, 89, 983-999.	8.1	138
28	Caspase-3 Deficiency Results in Disrupted Synaptic Homeostasis and Impaired Attention Control. Journal of Neuroscience, 2015, 35, 2118-2132.	3.6	32
29	A Septin-Dependent Diffusion Barrier at Dendritic Spine Necks. PLoS ONE, 2014, 9, e113916.	2.5	86
30	Local Pruning of Dendrites and Spines by Caspase-3-Dependent and Proteasome-Limited Mechanisms. Journal of Neuroscience, 2014, 34, 1672-1688.	3.6	190
31	Long-term depression: a cell biological view. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130138.	4.0	33
32	Regulation of Neuronal Gene Expression and Survival by Basal NMDA Receptor Activity: A Role for Histone Deacetylase 4. Journal of Neuroscience, 2014, 34, 15327-15339.	3.6	28
33	Activity-Induced Nr4a1 Regulates Spine Density and Distribution Pattern of Excitatory Synapses in Pyramidal Neurons. Neuron, 2014, 83, 431-443.	8.1	94
34	The mitochondrial deubiquitinase USP30 opposes parkin-mediated mitophagy. Nature, 2014, 510, 370-375.	27.8	660
35	Phosphorylation of Threonine-19 of PSD-95 by GSK-3Â is Required for PSD-95 Mobilization and Long-Term Depression. Journal of Neuroscience, 2013, 33, 12122-12135.	3.6	121
36	NMDA receptors in nervous system diseases. Neuropharmacology, 2013, 74, 69-75.	4.1	228

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37	Strength in numbers. Nature, 2013, 493, 482-483.	27.8	9
38	Specific<i>Trans</i>-Synaptic Interaction with Inhibitory Interneuronal Neurexin Underlies Differential Ability of Neuroligins to Induce Functional Inhibitory Synapses. Journal of Neuroscience, 2013, 33, 3612-3623.	3.6	49
39	GluN2B Antagonism Affects Interneurons and Leads to Immediate and Persistent Changes in Synaptic Plasticity, Oscillations, and Behavior. Neuropsychopharmacology, 2013, 38, 1221-1233.	5.4	56
40	GPR3 Stimulates AÎ² Production via Interactions with APP and Î²-Arrestin2. PLoS ONE, 2013, 8, e74680.	2.5	32
41	Synapses and Alzheimer's Disease. Cold Spring Harbor Perspectives in Biology, 2012, 4, a005777-a005777.	5.5	340
42	GKAP orchestrates activity-dependent postsynaptic protein remodeling and homeostatic scaling. Nature Neuroscience, 2012, 15, 1655-1666.	14.8	119
43	Childhood Disorders of the Synapse: Challenges and Opportunities. Science Translational Medicine, 2012, 4, 152ps17.	12.4	0
44	Functional anatomy of neural circuits regulating fear and extinction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17093-17098.	7.1	162
45	Caspases in synaptic plasticity. Molecular Brain, 2012, 5, 15.	2.6	72
46	Three-dimensional imaging of solvent-cleared organs using 3DISCO. Nature Protocols, 2012, 7, 1983-1995.	12.0	850
47	NMDA receptors and BAX are essential for AÎ² impairment of LTP. Scientific Reports, 2012, 2, 225.	3.3	38
48	Synaptic structure and function. Current Opinion in Neurobiology, 2012, 22, 363-365.	4.2	5
49	Caspase-3 in the central nervous system: beyond apoptosis. Trends in Neurosciences, 2012, 35, 700-709.	8.6	195
50	Association of Shank 1A Scaffolding Protein with Cone Photoreceptor Terminals in the Mammalian Retina. PLoS ONE, 2012, 7, e43463.	2.5	10
51	PSD-95 Is Required to Sustain the Molecular Organization of the Postsynaptic Density. Journal of Neuroscience, 2011, 31, 6329-6338.	3.6	242
52	Leukocyte Common Antigen-Related Phosphatase Is a Functional Receptor for Chondroitin Sulfate Proteoglycan Axon Growth Inhibitors. Journal of Neuroscience, 2011, 31, 14051-14066.	3.6	268
53	The Postsynaptic Organization of Synapses. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005678-a005678.	5.5	455
54	Deconstruction for Reconstruction: The Role of Proteolysis in Neural Plasticity and Disease. Neuron, 2011, 69, 22-32.	8.1	256

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55	Sociability and motor functions in Shank1 mutant mice. Brain Research, 2011, 1380, 120-137.	2.2	206
56	Aβ1–42 inhibition of LTP is mediated by a signaling pathway involving caspase-3, Akt1 and GSK-3β. Nature Neuroscience, 2011, 14, 545-547.	14.8	273
57	Communication Impairments in Mice Lacking Shank1: Reduced Levels of Ultrasonic Vocalizations and Scent Marking Behavior. PLoS ONE, 2011, 6, e20631.	2.5	196
58	Muscarinic receptors induce LTD of NMDAR EPSCs via a mechanism involving hippocalcin, AP2 and PSD-95. Nature Neuroscience, 2010, 13, 1216-1224.	14.8	93
59	Proline-Rich Tyrosine Kinase 2 Regulates Hippocampal Long-Term Depression. Journal of Neuroscience, 2010, 30, 11983-11993.	3.6	49
60	Distinct Roles of NR2A and NR2B Cytoplasmic Tails in Long-Term Potentiation. Journal of Neuroscience, 2010, 30, 2676-2685.	3.6	184
61	MINK and TNIK Differentially Act on Rap2-Mediated Signal Transduction to Regulate Neuronal Structure and AMPA Receptor Function. Journal of Neuroscience, 2010, 30, 14786-14794.	3.6	60
62	Neuron Specific Rab4 Effector GRASP-1 Coordinates Membrane Specialization and Maturation of Recycling Endosomes. PLoS Biology, 2010, 8, e1000283.	5.6	86
63	Autophosphorylated CaMKIIα Acts as a Scaffold to Recruit Proteasomes to Dendritic Spines. Cell, 2010, 140, 567-578.	28.9	249
64	Caspase-3 Activation via Mitochondria Is Required for Long-Term Depression and AMPA Receptor Internalization. Cell, 2010, 141, 859-871.	28.9	466
65	Regulation of Synaptic Structure and Function by FMRP-Associated MicroRNAs miR-125b and miR-132. Neuron, 2010, 65, 373-384.	8.1	657
66	Regulation of Synaptic Structure and Function by FMRP-Associated MicroRNAs miR-125b and miR-132. Neuron, 2010, 68, 161.	8.1	4
67	Degradation of Postsynaptic Scaffold GKAP and Regulation of Dendritic Spine Morphology by the TRIM3 Ubiquitin Ligase in Rat Hippocampal Neurons. PLoS ONE, 2010, 5, e9842.	2.5	90
68	Identification and Characterization of Neuronal Mitogen-activated Protein Kinase Substrates Using a Specific Phosphomotif Antibody. Molecular and Cellular Proteomics, 2009, 8, 681-695.	3.8	35
69	Regulated RalBP1 Binding to RalA and PSD-95 Controls AMPA Receptor Endocytosis and LTD. PLoS Biology, 2009, 7, e1000187.	5.6	57
70	The postsynaptic density. Current Biology, 2009, 19, R723-R724.	3.9	27
71	Trans-synaptic adhesion between NGL-3 and LAR regulates the formation of excitatory synapses. Nature Neuroscience, 2009, 12, 428-437.	14.8	204
72	A novel mechanism of hippocampal LTD involving muscarinic receptor-triggered interactions between AMPARs, GRIP and liprin-α. Molecular Brain, 2009, 2, 18.	2.6	62

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73	Synaptic Accumulation of PSD-95 and Synaptic Function Regulated by Phosphorylation of Serine-295 of PSD-95. Neuron, 2008, 57, 326-327.	8.1	1
74	Critical Role of CDK5 and Polo-like Kinase 2 in Homeostatic Synaptic Plasticity during Elevated Activity. Neuron, 2008, 58, 571-583.	8.1	208
75	Metabotropic Glutamate Receptor-Mediated LTD Involves Two Interacting Ca2+ Sensors, NCS-1 and PICK1. Neuron, 2008, 60, 1095-1111.	8.1	100
76	Smaller Dendritic Spines, Weaker Synaptic Transmission, but Enhanced Spatial Learning in Mice Lacking Shank1. Journal of Neuroscience, 2008, 28, 1697-1708.	3.6	321
77	Activity-Induced Polo-Like Kinase 2 Is Required for Homeostatic Plasticity of Hippocampal Neurons during Epileptiform Activity. Journal of Neuroscience, 2008, 28, 6583-6591.	3.6	93
78	Regulation of Postsynaptic RapGAP SPAR by Polo-like Kinase 2 and the SCFÎ²-TRCP Ubiquitin Ligase in Hippocampal Neurons. Journal of Biological Chemistry, 2008, 283, 29424-29432.	3.4	53
79	Constitutively Active Rap2 Transgenic Mice Display Fewer Dendritic Spines, Reduced Extracellular Signal-Regulated Kinase Signaling, Enhanced Long-Term Depression, and Impaired Spatial Learning and Fear Extinction. Journal of Neuroscience, 2008, 28, 8178-8188.	3.6	81
80	Synapse Loss, Synaptic Plasticity and the Postsynaptic Density. , 2008, , 51-62.		0
81	Molecular determinants for the interaction between AMPA receptors and the clathrin adaptor complex AP-2. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2991-2996.	7.1	77
82	Extracellular Interactions between GluR2 and N-Cadherin in Spine Regulation. Neuron, 2007, 54, 461-477.	8.1	313
83	Synaptic Accumulation of PSD-95 and Synaptic Function Regulated by Phosphorylation of Serine-295 of PSD-95. Neuron, 2007, 56, 488-502.	8.1	235
84	The Postsynaptic Architecture of Excitatory Synapses: A More Quantitative View. Annual Review of Biochemistry, 2007, 76, 823-847.	11.1	836
85	LiprinÎ±1 Degradation by Calcium/Calmodulin-Dependent Protein Kinase II Regulates LAR Receptor Tyrosine Phosphatase Distribution and Dendrite Development. Developmental Cell, 2007, 12, 587-602.	7.0	87
86	Retrograde modulation of presynaptic release probability through signaling mediated by PSD-95â€"neuroligin. Nature Neuroscience, 2007, 10, 186-195.	14.8	252
87	Differential roles of Rap1 and Rap2 small GTPases in neurite retraction and synapse elimination in hippocampal spiny neurons. Journal of Neurochemistry, 2007, 100, 118-131.	3.9	75
88	Role of Septin Cytoskeleton in Spine Morphogenesis and Dendrite Development in Neurons. Current Biology, 2007, 17, 1752-1758.	3.9	255
89	Three-dimensional structure of an AMPA receptor without associated stargazin/TARP proteins. Biological Chemistry, 2006, 387, 179-87.	2.5	42
90	Selective Labeling of Extracellular Proteins Containing Polyhistidine Sequences by a Fluoresceinâ^'Nitrilotriacetic Acid Conjugate. Journal of the American Chemical Society, 2006, 128, 418-419.	13.7	98

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91	Midrange Affinity Fluorescent Zn(II) Sensors of the Zinpyr Family:Â Syntheses, Characterization, and Biological Imaging Applications. Inorganic Chemistry, 2006, 45, 9748-9757.	4.0	66
92	Zinspy Sensors with Enhanced Dynamic Range for Imaging Neuronal Cell Zinc Uptake and Mobilization. Journal of the American Chemical Society, 2006, 128, 15517-15528.	13.7	232
93	A Critical Role for Myosin IIB in Dendritic Spine Morphology and Synaptic Function. Neuron, 2006, 49, 175-182.	8.1	158
94	The Growing Role of mTOR in Neuronal Development and Plasticity. Molecular Neurobiology, 2006, 34, 205-220.	4.0	232
95	Generation of lentiviral transgenic rats expressing Glutamate Receptor Interacting Protein 1 (GRIP1) in brain, spinal cord and testis. Journal of Neuroscience Methods, 2006, 152, 1-9.	2.5	15
96	Molecular mechanisms of dendritic spine morphogenesis. Current Opinion in Neurobiology, 2006, 16, 95-101.	4.2	560
97	Relative and Absolute Quantification of Postsynaptic Density Proteome Isolated from Rat Forebrain and Cerebellum. Molecular and Cellular Proteomics, 2006, 5, 1158-1170.	3.8	440
98	GRIP1 controls dendrite morphogenesis by regulating EphB receptor trafficking. Nature Neuroscience, 2005, 8, 906-915.	14.8	199
99	Polo-like kinases in the nervous system. Oncogene, 2005, 24, 292-298.	5.9	78
100	Structure and different conformational states of native AMPA receptor complexes. Nature, 2005, 433, 545-549.	27.8	247
101	Bax/Bak-Dependent Release of DDP/TIMM8a Promotes Drp1-Mediated Mitochondrial Fission and Mitoptosis during Programmed Cell Death. Current Biology, 2005, 15, 2112-2118.	3.9	217
102	The 8-kDa Dynein Light Chain Binds to p53-binding Protein 1 and Mediates DNA Damage-induced p53 Nuclear Accumulation. Journal of Biological Chemistry, 2005, 280, 8172-8179.	3.4	99
103	Control of Dendritic Arborization by the Phosphoinositide-3â€²-Kinaseâ€"Aktâ€"Mammalian Target of Rapamycin Pathway. Journal of Neuroscience, 2005, 25, 11300-11312.	3.6	537
104	Mass of the postsynaptic density and enumeration of three key molecules. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11551-11556.	7.1	200
105	LAR receptor protein tyrosine phosphatases in the development and maintenance of excitatory synapses. Nature Neuroscience, 2005, 8, 458-467.	14.8	249
106	NEUROSCIENCE: Making Synapses: A Balancing Act. Science, 2005, 307, 1207-1208.	12.6	23
107	QZ1 and QZ2:Â Rapid, Reversible Quinoline-Derivatized Fluoresceins for Sensing Biological Zn(II). Journal of the American Chemical Society, 2005, 127, 16812-16823.	13.7	251
108	NSF interaction is important for direct insertion of GluR2 at synaptic sites. Molecular and Cellular Neurosciences, 2005, 28, 650-660.	2.2	41

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109	Differential Roles of NR2A- and NR2B-Containing NMDA Receptors in Ras-ERK Signaling and AMPA Receptor Trafficking. Neuron, 2005, 46, 745-760.	8.1	438
110	Rap2-JNK Removes Synaptic AMPA Receptors during Depotentiation. Neuron, 2005, 46, 905-916.	8.1	181
111	Rap2-JNK Removes Synaptic AMPA Receptors during Depotentiation. Neuron, 2005, 47, 321.	8.1	0
112	A tautomeric zinc sensor for ratiometric fluorescence imaging: Application to nitric oxide-induced release of intracellular zinc. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1129-1134.	7.1	222
113	Actin/Î±-Actinin-Dependent Transport of AMPA Receptors in Dendritic Spines: Role of the PDZ-LIM Protein RIL. Journal of Neuroscience, 2004, 24, 8584-8594.	3.6	101
114	Cyclin-Dependent Kinase 5 Phosphorylates the N-Terminal Domain of the Postsynaptic Density Protein PSD-95 in Neurons. Journal of Neuroscience, 2004, 24, 865-876.	3.6	208
115	Intra- and Intermolecular Domain Interactions of the C-terminal GTPase Effector Domain of the Multimeric Dynamin-like GTPase Drp1. Journal of Biological Chemistry, 2004, 279, 35967-35974.	3.4	175
116	Tyrosine phosphorylation of GluR2 is required for insulin-stimulated AMPA receptor endocytosis and LTD. EMBO Journal, 2004, 23, 1040-1050.	7.8	267
117	PDZ domain proteins of synapses. Nature Reviews Neuroscience, 2004, 5, 771-781.	10.2	1,382
118	Role of NMDA Receptor Subtypes in Governing the Direction of Hippocampal Synaptic Plasticity. Science, 2004, 304, 1021-1024.	12.6	975
119	Bright Fluorescent Chemosensor Platforms for Imaging Endogenous Pools of Neuronal Zinc. Chemistry and Biology, 2004, 11, 203-210.	6.0	142
120	Semiquantitative Proteomic Analysis of Rat Forebrain Postsynaptic Density Fractions by Mass Spectrometry. Journal of Biological Chemistry, 2004, 279, 21003-21011.	3.4	417
121	ZP8, a Neuronal Zinc Sensor with Improved Dynamic Range; Imaging Zinc in Hippocampal Slices with Two-Photon Microscopy. Inorganic Chemistry, 2004, 43, 6774-6779.	4.0	117
122	The Importance of Dendritic Mitochondria in the Morphogenesis and Plasticity of Spines and Synapses. Cell, 2004, 119, 873-887.	28.9	1,297
123	Subunit Rules Governing the Sorting of Internalized AMPA Receptors in Hippocampal Neurons. Neuron, 2004, 43, 221-236.	8.1	241
124	Transcriptional Modification by a CASK-Interacting Nucleosome Assembly Protein. Neuron, 2004, 43, 437.	8.1	1
125	Quaternary Structure, Protein Dynamics, and Synaptic Function of SAP97 Controlled by L27 Domain Interactions. Neuron, 2004, 44, 453-467.	8.1	225
126	The dynamic turnover and functional roles of Î±-actinin in dendritic spines. Neuropharmacology, 2004, 47, 734-745.	4.1	82

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127	Transcriptional Modification by a CASK-Interacting Nucleosome Assembly Protein. Neuron, 2004, 42, 113-128.	8.1	142
128	Induction of dendritic spines by an extracellular domain of AMPA receptor subunit GluR2. Nature, 2003, 424, 677-681.	27.8	285
129	Synapses unplugged. Nature, 2003, 423, 931-932.	27.8	8
130	The return of the exocyst. Nature Cell Biology, 2003, 5, 493-495.	10.3	6
131	Some assembly required: the development of neuronal synapses. Nature Reviews Molecular Cell Biology, 2003, 4, 833-841.	37.0	168
132	Supramodular structure and synergistic target binding of the N-terminal tandem PDZ domains of PSD-95. Journal of Molecular Biology, 2003, 327, 203-214.	4.2	128
133	Interaction of the deafnessâ€“dystonia protein DDP/TIMM8a with the signal transduction adaptor molecule STAM1. Biochemical and Biophysical Research Communications, 2003, 305, 345-352.	2.1	15
134	AMPA receptor trafficking and synaptic plasticity: major unanswered questions. Neuroscience Research, 2003, 46, 127-134.	1.9	69
135	15 Years of Neuron Cell Biology. Neuron, 2003, 40, 193-197.	8.1	3
136	Targeted Protein Degradation and Synapse Remodeling by an Inducible Protein Kinase. Science, 2003, 302, 1368-1373.	12.6	282
137	Crystal Structure of GRIP1 PDZ6-Peptide Complex Reveals the Structural Basis for Class II PDZ Target Recognition and PDZ Domain-mediated Multimerization. Journal of Biological Chemistry, 2003, 278, 8501-8507.	3.4	78
138	Association of the Kinesin Motor KIF1A with the Multimodular Protein Liprin-Î±. Journal of Biological Chemistry, 2003, 278, 11393-11401.	3.4	184
139	The Shank Family of Postsynaptic Density Proteins Interacts with and Promotes Synaptic Accumulation of the Î²PIX Guanine Nucleotide Exchange Factor for Rac1 and Cdc42. Journal of Biological Chemistry, 2003, 278, 19220-19229.	3.4	152
140	Eye opening induces a rapid dendritic localization of PSD-95 in central visual neurons. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1334-1339.	7.1	96
141	Activity-Dependent Redistribution and Essential Role of Cortactin in Dendritic Spine Morphogenesis. Journal of Neuroscience, 2003, 23, 11759-11769.	3.6	242
142	Interaction between Liprin-Î± and GIT1 Is Required for AMPA Receptor Targeting. Journal of Neuroscience, 2003, 23, 1667-1677.	3.6	146
143	Lipid Rafts in the Maintenance of Synapses, Dendritic Spines, and Surface AMPA Receptor Stability. Journal of Neuroscience, 2003, 23, 3262-3271.	3.6	527
144	Inhibition of Dendritic Spine Morphogenesis and Synaptic Transmission by Activity-Inducible Protein Homer1a. Journal of Neuroscience, 2003, 23, 6327-6337.	3.6	232

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145	PDZ Domains: Structural Modules for Protein Complex Assembly. Journal of Biological Chemistry, 2002, 277, 5699-5702.	3.4	615
146	Postsynaptic Signaling and Plasticity Mechanisms. Science, 2002, 298, 776-780.	12.6	642
147	Direct interaction of Frizzled-1, -2, -4, and -7 with PDZ domains of PSD-95. FEBS Letters, 2002, 521, 185-189.	2.8	52
148	Interaction between GRIP and Liprin-Î±/SYD2 Is Required for AMPA Receptor Targeting. Neuron, 2002, 34, 39-52.	8.1	254
149	Clathrin Adaptor AP2 and NSF Interact with Overlapping Sites of GluR2 and Play Distinct Roles in AMPA Receptor Trafficking and Hippocampal LTD. Neuron, 2002, 36, 661-674.	8.1	390
150	Gephyrin Interacts with Dynein Light Chains 1 and 2, Components of Motor Protein Complexes. Journal of Neuroscience, 2002, 22, 5393-5402.	3.6	176
151	Postsynaptic calcium signaling microdomains in neurons. Frontiers in Bioscience - Landmark, 2002, 7, d872-885.	3.0	21
152	Glutamate receptors on the move. Nature, 2002, 417, 601-602.	27.8	13
153	NMDA receptor targeting. , 2002, , 156-170.		0
154	Sharpin, a Novel Postsynaptic Density Protein That Directly Interacts with the Shank Family of Proteins. Molecular and Cellular Neurosciences, 2001, 17, 385-397.	2.2	145
155	Tbr1 Regulates Differentiation of the Preplate and Layer 6. Neuron, 2001, 29, 353-366.	8.1	829
156	Regulation of Dendritic Spine Morphology and Synaptic Function by Shank and Homer. Neuron, 2001, 31, 115-130.	8.1	630
157	Regulation of Dendritic Spine Morphology by SPAR, a PSD-95-Associated RapGAP. Neuron, 2001, 31, 289-303.	8.1	353
158	Biochemical and morphological characterization of an intracellular membrane compartment containing AMPA receptors. Neuropharmacology, 2001, 41, 680-692.	4.1	59
159	AMPA Receptor Trafficking and the Control of Synaptic Transmission. Cell, 2001, 105, 825-828.	28.9	188
160	Bipartite Interaction between Neurofibromatosis Type I Protein (Neurofibromin) and Syndecan Transmembrane Heparan Sulfate Proteoglycans. Journal of Neuroscience, 2001, 21, 3764-3770.	3.6	76
161	Differential Cellular and Subcellular Localization of AMPA Receptor-Binding Protein and Glutamate Receptor-Interacting Protein. Journal of Neuroscience, 2001, 21, 495-503.	3.6	45
162	Proteolysis of glutamate receptor-interacting protein by calpain in rat brain: implications for synaptic plasticity. Journal of Neurochemistry, 2001, 77, 1553-1560.	3.9	54

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163	Subunit-specific temporal and spatial patterns of AMPA receptor exocytosis in hippocampal neurons. Nature Neuroscience, 2001, 4, 917-926.	14.8	595
164	Dentritic spines : structure, dynamics and regulation. Nature Reviews Neuroscience, 2001, 2, 880-888.	10.2	822
165	Antibodies in haystacks: how selection strategy influences the outcome of selection from molecular diversity libraries. Journal of Immunological Methods, 2001, 253, 233-242.	1.4	64
166	The 8-kDa Dynein Light Chain Binds to Its Targets via a Conserved (K/R)XTQT Motif. Journal of Biological Chemistry, 2001, 276, 14059-14066.	3.4	155
167	PDZ Domains and the Organization of Supramolecular Complexes. Annual Review of Neuroscience, 2001, 24, 1-29.	10.7	1,167
168	Growth of the NMDA receptor industrial complex. Nature Neuroscience, 2000, 3, 633-635.	14.8	46
169	Distinct molecular mechanisms and divergent endocytotic pathways of AMPA receptor internalization. Nature Neuroscience, 2000, 3, 1282-1290.	14.8	523
170	Nuclear translocation and transcription regulation by the membrane-associated guanylate kinase CASK/LIN-2. Nature, 2000, 404, 298-302.	27.8	339
171	Neurobiology. Current Opinion in Neurobiology, 2000, 10, 275-286.	4.2	0
172	Development of neuronâ€“neuron synapses. Current Opinion in Neurobiology, 2000, 10, 125-131.	4.2	101
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