

# Richard L Haganir

## List of Publications by Year in descending order

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159  
papers

28,331  
citations

11235

73  
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7427

157  
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176  
all docs

176  
docs citations

176  
times ranked

24806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Synaptic DCK1 Interactors That Stimulate DCK1 Activity. <i>Frontiers in Synaptic Neuroscience</i> , 2022, 14, 855673.	1.3	2
2	Differential expression patterns of phospholipase D isoforms 1 and 2 in the mammalian brain and retina. <i>Journal of Lipid Research</i> , 2022, 63, 100247.	2.0	2
3	Arc weakens synapses by dispersing AMPA receptors from postsynaptic density via modulating PSD phase separation. <i>Cell Research</i> , 2022, 32, 914-930.	5.7	8
4	An ultrasensitive biosensor for high-resolution kinase activity imaging in awake mice. <i>Nature Chemical Biology</i> , 2021, 17, 39-46.	3.9	61
5	Increased novelty-induced locomotion, sensitivity to amphetamine, and extracellular dopamine in striatum of <i>Zdhc15</i> -deficient mice. <i>Translational Psychiatry</i> , 2021, 11, 65.	2.4	12
6	An optimized CRISPR/Cas9 approach for precise genome editing in neurons. <i>ELife</i> , 2021, 10, .	2.8	39
7	The Immediate Early Gene Arc Is Not Required for Hippocampal Long-Term Potentiation. <i>Journal of Neuroscience</i> , 2021, 41, 4202-4211.	1.7	13
8	AMPA Receptors Exist in Tunable Mobile and Immobile Synaptic Fractions <i>In Vivo</i> . <i>ENeuro</i> , 2021, 8, ENEURO.0015-21.2021.	0.9	16
9	An Ultrasensitive PKA Biosensor for Multimodal Kinase Activity Detection and High-Resolution Imaging in Awake Mice. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
10	All-or-none disconnection of pyramidal inputs onto parvalbumin-positive interneurons gates ocular dominance plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	9
11	Visualizing synaptic plasticity in vivo by large-scale imaging of endogenous AMPA receptors. <i>ELife</i> , 2021, 10, .	2.8	33
12	Contribution of D1R-expressing neurons of the dorsal dentate gyrus and Cav1.2 channels in extinction of cocaine conditioned place preference. <i>Neuropsychopharmacology</i> , 2020, 45, 1506-1517.	2.8	9
13	Cortical Synaptic AMPA Receptor Plasticity during Motor Learning. <i>Neuron</i> , 2020, 105, 895-908.e5.	3.8	85
14	GRIP1 regulates synaptic plasticity and learning and memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25085-25091.	3.3	40
15	Low-Dose Perampanel Rescues Cortical Gamma Dysregulation Associated With Parvalbumin Interneuron GluA2 Upregulation in Epileptic <i>Syngap1</i> <sup>+/-</sup> Mice. <i>Biological Psychiatry</i> , 2020, 87, 829-842.	0.7	34
16	SynGAP splice variants display heterogeneous spatiotemporal expression and subcellular distribution in the developing mammalian brain. <i>Journal of Neurochemistry</i> , 2020, 154, 618-634.	2.1	26
17	Tyrosine phosphorylation of the AMPA receptor subunit GluA2 gates homeostatic synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4948-4958.	3.3	20
18	Subunit-Specific Augmentation of AMPA Receptor Ubiquitination by Phorbol Ester. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 1213-1222.	1.7	7

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19	Signature Fragment Ions of Biotinylated Peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 394-404.	1.2	8
20	Twenty Years of SynGAP Research: From Synapses to Cognition. <i>Journal of Neuroscience</i> , 2020, 40, 1596-1605.	1.7	96
21	Lamina-specific AMPA receptor dynamics following visual deprivation in vivo. <i>ELife</i> , 2020, 9, .	2.8	19
22	SynGAP isoforms differentially regulate synaptic plasticity and dendritic development. <i>ELife</i> , 2020, 9, .	2.8	60
23	Tumor Suppression of Ras GTPase-Activating Protein RASA5 through Antagonizing Ras Signaling Perturbation in Carcinomas. <i>IScience</i> , 2019, 21, 1-18.	1.9	12
24	Purkinje cell-specific Grip1/2 knockout mice show increased repetitive self-grooming and enhanced mGluR5 signaling in cerebellum. <i>Neurobiology of Disease</i> , 2019, 132, 104602.	2.1	14
25	Arc Oligomerization Is Regulated by CaMKII Phosphorylation of the GAG Domain: An Essential Mechanism for Plasticity and Memory Formation. <i>Molecular Cell</i> , 2019, 75, 13-25.e5.	4.5	31
26	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. <i>Neuron</i> , 2019, 103, 217-234.e4.	3.8	518
27	Affected Sib-Pair Analyses Identify Signaling Networks Associated With Social Behavioral Deficits in Autism. <i>Frontiers in Genetics</i> , 2019, 10, 1186.	1.1	2
28	Brain-specific Drp1 regulates postsynaptic endocytosis and dendrite formation independently of mitochondrial division. <i>ELife</i> , 2019, 8, .	2.8	26
29	BioSITE: A Method for Direct Detection and Quantitation of Site-Specific Biotinylation. <i>Journal of Proteome Research</i> , 2018, 17, 759-769.	1.8	70
30	Ras and Rap Signal Bidirectional Synaptic Plasticity via Distinct Subcellular Microdomains. <i>Neuron</i> , 2018, 98, 783-800.e4.	3.8	68
31	Identification of long-lived synaptic proteins by proteomic analysis of synaptosome protein turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3827-E3836.	3.3	122
32	Phosphatidic acid-producing enzymes regulating the synaptic vesicle cycle: Role for PLD?. <i>Advances in Biological Regulation</i> , 2018, 67, 141-147.	1.4	11
33	Single-fluorophore biosensors for sensitive and multiplexed detection of signalling activities. <i>Nature Cell Biology</i> , 2018, 20, 1215-1225.	4.6	112
34	The AMPA Receptor Code of Synaptic Plasticity. <i>Neuron</i> , 2018, 100, 314-329.	3.8	567
35	Potent PDZ-Domain PICK1 Inhibitors that Modulate Amyloid Beta-Mediated Synaptic Dysfunction. <i>Scientific Reports</i> , 2018, 8, 13438.	1.6	13
36	Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. <i>Cell Metabolism</i> , 2018, 28, 588-604.e5.	7.2	180

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37	Wnt5a is essential for hippocampal dendritic maintenance and spatial learning and memory in adult mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E619-E628.	3.3	57
38	O-GlcNAc transferase regulates excitatory synapse maturity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1684-1689.	3.3	71
39	Homer1a drives homeostatic scaling-down of excitatory synapses during sleep. <i>Science</i> , 2017, 355, 511-515.	6.0	398
40	Mice lacking GRIP1/2 show increased social interactions and enhanced phosphorylation at GluA2-S880. <i>Behavioural Brain Research</i> , 2017, 321, 176-184.	1.2	12
41	GRASP1 Regulates Synaptic Plasticity and Learning through Endosomal Recycling of AMPA Receptors. <i>Neuron</i> , 2017, 93, 1405-1419.e8.	3.8	44
42	BRaf signaling principles unveiled by large-scale human mutation analysis with a rapid lentivirus-based gene replacement method. <i>Genes and Development</i> , 2017, 31, 537-552.	2.7	20
43	Dynamic imaging of AMPA receptor trafficking in vitro and in vivo. <i>Current Opinion in Neurobiology</i> , 2017, 45, 51-58.	2.0	38
44	GluA1 subunit ubiquitination mediates amyloid- $\beta$ -induced loss of surface $\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 8186-8194.	1.6	53
45	Extinction of Contextual Cocaine Memories Requires $Ca^{2+}$ within D1R-Expressing Cells and Recruits Hippocampal $Ca^{2+}$ -Dependent Signaling Mechanisms. <i>Journal of Neuroscience</i> , 2017, 37, 11894-11911.	1.7	30
46	Selective Phosphorylation of AMPA Receptor Contributes to the Network of Long-Term Potentiation in the Anterior Cingulate Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 8534-8548.	1.7	45
47	Neuropilin-2/PlexinA3 Receptors Associate with GluA1 and Mediate Sema3F-Dependent Homeostatic Scaling in Cortical Neurons. <i>Neuron</i> , 2017, 96, 1084-1098.e7.	3.8	68
48	Kif13b Regulates PNS and CNS Myelination through the Dlg1 Scaffold. <i>PLoS Biology</i> , 2016, 14, e1002440.	2.6	32
49	Real-Time Imaging Reveals Properties of Glutamate-Induced Arc/Arg 3.1 Translation in Neuronal Dendrites. <i>Neuron</i> , 2016, 91, 561-573.	3.8	57
50	Essential roles of AMPA receptor GluA1 phosphorylation and presynaptic HCN channels in fast-acting antidepressant responses of ketamine. <i>Science Signaling</i> , 2016, 9, ra123.	1.6	82
51	Acetylated Tau Obstructs KIBRA-Mediated Signaling in Synaptic Plasticity and Promotes Tauopathy-Related Memory Loss. <i>Neuron</i> , 2016, 90, 245-260.	3.8	195
52	Extensive phosphorylation of AMPA receptors in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4920-7.	3.3	79
53	Phase Transition in Postsynaptic Densities Underlies Formation of Synaptic Complexes and Synaptic Plasticity. <i>Cell</i> , 2016, 166, 1163-1175.e12.	13.5	428
54	Identification of the SNARE complex mediating the exocytosis of NMDA receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12280-12285.	3.3	33

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55	DGK $\beta$ Catalytic Activity Is Required for Efficient Recycling of Presynaptic Vesicles at Excitatory Synapses. <i>Cell Reports</i> , 2016, 14, 200-207.	2.9	24
56	Functional Coupling with Cardiac Muscle Promotes Maturation of hPSC-Derived Sympathetic Neurons. <i>Cell Stem Cell</i> , 2016, 19, 95-106.	5.2	91
57	Phosphorylation of the AMPA receptor GluA1 subunit regulates memory load capacity. <i>Brain Structure and Function</i> , 2016, 221, 591-603.	1.2	26
58	The nutrient sensor OGT in PVN neurons regulates feeding. <i>Science</i> , 2016, 351, 1293-1296.	6.0	124
59	Differential vesicular sorting of AMPA and GABA <sub>A</sub> receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E922-31.	3.3	58
60	Regulation of AMPA receptor phosphorylation by the neuropeptide PACAP38. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6712-6717.	3.3	20
61	Coexistence of Two Forms of LTP in ACC Provides a Synaptic Mechanism for the Interactions between Anxiety and Chronic Pain. <i>Neuron</i> , 2015, 85, 377-389.	3.8	261
62	Activity-Dependent Ubiquitination of GluA1 and GluA2 Regulates AMPA Receptor Intracellular Sorting and Degradation. <i>Cell Reports</i> , 2015, 10, 783-795.	2.9	108
63	Visualization of NMDA receptor $\alpha$ -dependent AMPA receptor synaptic plasticity in vivo. <i>Nature Neuroscience</i> , 2015, 18, 402-407.	7.1	143
64	Cocaine-evoked negative symptoms require AMPA receptor trafficking in the lateral habenula. <i>Nature Neuroscience</i> , 2015, 18, 376-378.	7.1	80
65	Rapid Dispersion of SynGAP from Synaptic Spines Triggers AMPA Receptor Insertion and Spine Enlargement during LTP. <i>Neuron</i> , 2015, 85, 173-189.	3.8	211
66	The intellectual disability protein RAB39B selectively regulates GluA2 trafficking to determine synaptic AMPAR composition. <i>Nature Communications</i> , 2015, 6, 6504.	5.8	93
67	GRIP1 is required for homeostatic regulation of AMPAR trafficking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10026-10031.	3.3	53
68	Loss of $\beta$ -catenin function in severe autism. <i>Nature</i> , 2015, 520, 51-56.	13.7	145
69	Automatic Dendritic Length Quantification for High Throughput Screening of Mature Neurons. <i>Neuroinformatics</i> , 2015, 13, 443-458.	1.5	11
70	Glutamate Synapses in Human Cognitive Disorders. <i>Annual Review of Neuroscience</i> , 2015, 38, 127-149.	5.0	206
71	Regulation of AMPA receptor subunit GluA1 surface expression by PAK3 phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5883-90.	3.3	55
72	The C9orf72 repeat expansion disrupts nucleocytoplasmic transport. <i>Nature</i> , 2015, 525, 56-61.	13.7	835

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73	Sorting Nexin 27 regulates basal and activity-dependent trafficking of AMPARs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11840-11845.	3.3	77
74	GluA1 Phosphorylation Contributes to Postsynaptic Amplification of Neuropathic Pain in the Insular Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 13505-13515.	1.7	75
75	Young and old Pavlovian fear memories can be modified with extinction training during reconsolidation in humans. <i>Learning and Memory</i> , 2014, 21, 338-341.	0.5	68
76	PKA-GluA1 Coupling via AKAP5 Controls AMPA Receptor Phosphorylation and Cell-Surface Targeting during Bidirectional Homeostatic Plasticity. <i>Neuron</i> , 2014, 84, 790-805.	3.8	129
77	Synaptic depressive effects of amyloid beta require PICK1. <i>European Journal of Neuroscience</i> , 2014, 39, 1225-1233.	1.2	50
78	Postsynaptic insertion of AMPA receptor onto cortical pyramidal neurons in the anterior cingulate cortex after peripheral nerve injury. <i>Molecular Brain</i> , 2014, 7, 76.	1.3	59
79	Disruption of Glutamate Receptor-Interacting Protein in Nucleus Accumbens Enhances Vulnerability to Cocaine Relapse. <i>Neuropsychopharmacology</i> , 2014, 39, 759-769.	2.8	31
80	Stress Induces Pain Transition by Potentiation of AMPA Receptor Phosphorylation. <i>Journal of Neuroscience</i> , 2014, 34, 13737-13746.	1.7	45
81	Postsynaptic Potentiation of Corticospinal Projecting Neurons in the Anterior Cingulate Cortex after Nerve Injury. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-33.	1.0	84
82	Dlg5 Regulates Dendritic Spine Formation and Synaptogenesis by Controlling Subcellular N-Cadherin Localization. <i>Journal of Neuroscience</i> , 2014, 34, 12745-12761.	1.7	29
83	AGAP3 and Arf6 Regulate Trafficking of AMPA Receptors and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2013, 33, 12586-12598.	1.7	51
84	Norepinephrine Enhances a Discrete Form of Long-Term Depression during Fear Memory Storage. <i>Journal of Neuroscience</i> , 2013, 33, 11825-11832.	1.7	31
85	Adrenergic Gating of Hebbian Spike-Timing-Dependent Plasticity in Cortical Interneurons. <i>Journal of Neuroscience</i> , 2013, 33, 13171-13178.	1.7	80
86	AMPA Receptors and Synaptic Plasticity: The Last 25 Years. <i>Neuron</i> , 2013, 80, 704-717.	3.8	797
87	PICK1 interacts with PACSIN to regulate AMPA receptor internalization and cerebellar long-term depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13976-13981.	3.3	68
88	PKM- $\zeta$ is not required for hippocampal synaptic plasticity, learning and memory. <i>Nature</i> , 2013, 493, 420-423.	13.7	278
89	S-nitrosylation of AMPA receptor GluA1 regulates phosphorylation, single-channel conductance, and endocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1077-1082.	3.3	86
90	High-Throughput Genetic Screen for Synaptogenic Factors: Identification of LRP6 as Critical for Excitatory Synapse Development. <i>Cell Reports</i> , 2013, 5, 1330-1341.	2.9	52

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91	Palmitoylation by DHHC5/8 Targets GRIP1 to Dendritic Endosomes to Regulate AMPA-R Trafficking. <i>Neuron</i> , 2012, 73, 482-496.	3.8	155
92	Regulation of AMPA receptor trafficking and synaptic plasticity. <i>Current Opinion in Neurobiology</i> , 2012, 22, 461-469.	2.0	479
93	Gain-of-function glutamate receptor interacting protein 1 variants alter GluA2 recycling and surface distribution in patients with autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4920-4925.	3.3	74
94	Regulation of AMPA Receptor Function by the Human Memory-Associated Gene KIBRA. <i>Neuron</i> , 2011, 71, 1022-1029.	3.8	125
95	Phosphorylation of AMPA Receptors Is Required for Sensory Deprivation-Induced Homeostatic Synaptic Plasticity. <i>PLoS ONE</i> , 2011, 6, e18264.	1.1	85
96	Preserved Acute Pain and Impaired Neuropathic Pain in Mice Lacking Protein Interacting with C Kinase 1. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-11.	1.0	33
97	PICK1 Loss of Function Occludes Homeostatic Synaptic Scaling. <i>Journal of Neuroscience</i> , 2011, 31, 2188-2196.	1.7	96
98	Arc-dependent synapse-specific homeostatic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 816-821.	3.3	165
99	Enhanced synaptic plasticity in mice with phosphomimetic mutation of the GluA1 AMPA receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8450-8455.	3.3	65
100	Mechanism of Ca <sup>2+</sup> /calmodulin-dependent kinase II regulation of AMPA receptor gating. <i>Nature Neuroscience</i> , 2011, 14, 727-735.	7.1	241
101	Spinal cord protein interacting with C kinase 1 is required for the maintenance of complete Freund's adjuvant-induced inflammatory pain but not for incision-induced post-operative pain. <i>Pain</i> , 2010, 151, 226-234.	2.0	44
102	GRIP1 and 2 regulate activity-dependent AMPA receptor recycling via exocyst complex interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19038-19043.	3.3	64
103	Identification of a small-molecule inhibitor of the PICK1 PDZ domain that inhibits hippocampal LTP and LTD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 413-418.	3.3	100
104	Specific Roles of AMPA Receptor Subunit GluR1 (GluA1) Phosphorylation Sites in Regulating Synaptic Plasticity in the CA1 Region of Hippocampus. <i>Journal of Neurophysiology</i> , 2010, 103, 479-489.	0.9	223
105	Developmental regulation of protein interacting with C kinase 1 (PICK1) function in hippocampal synaptic plasticity and learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21784-21789.	3.3	75
106	Regulation of AMPA receptor extrasynaptic insertion by 4.1N, phosphorylation and palmitoylation. <i>Nature Neuroscience</i> , 2009, 12, 879-887.	7.1	317
107	Rapid and bi-directional regulation of AMPA receptor phosphorylation and trafficking by JNK. <i>EMBO Journal</i> , 2008, 27, 361-372.	3.5	71
108	Surface Mobility of Postsynaptic AMPARs Tunes Synaptic Transmission. <i>Science</i> , 2008, 320, 201-205.	6.0	433

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109	A necessary role for GluR1 serine 831 phosphorylation in appetitive incentive learning. Behavioural Brain Research, 2008, 191, 178-183.	1.2	40
110	The Glutamate Receptor-Interacting Protein Family of GluR2-Binding Proteins Is Required for Long-Term Synaptic Depression Expression in Cerebellar Purkinje Cells. Journal of Neuroscience, 2008, 28, 5752-5755.	1.7	68
111	PICK1 and Phosphorylation of the Glutamate Receptor 2 (GluR2) AMPA Receptor Subunit Regulates GluR2 Recycling after NMDA Receptor-Induced Internalization. Journal of Neuroscience, 2007, 27, 13903-13908.	1.7	150
112	Neuromodulators Control the Polarity of Spike-Timing-Dependent Synaptic Plasticity. Neuron, 2007, 55, 919-929.	3.8	363
113	The Cell Biology of Synaptic Plasticity: AMPA Receptor Trafficking. Annual Review of Cell and Developmental Biology, 2007, 23, 613-643.	4.0	849
114	Targeted In Vivo Mutations of the AMPA Receptor Subunit GluR2 and Its Interacting Protein PICK1 Eliminate Cerebellar Long-Term Depression. Neuron, 2006, 49, 845-860.	3.8	266
115	Synaptic Incorporation of AMPA Receptors during LTP Is Controlled by a PKC Phosphorylation Site on GluR1. Neuron, 2006, 51, 213-225.	3.8	324
116	Arc/Arg3.1 Interacts with the Endocytic Machinery to Regulate AMPA Receptor Trafficking. Neuron, 2006, 52, 445-459.	3.8	691
117	Arc/Arg3.1 Mediates Homeostatic Synaptic Scaling of AMPA Receptors. Neuron, 2006, 52, 475-484.	3.8	684
118	SynGAP regulates synaptic strength and mitogen-activated protein kinases in cultured neurons. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4344-4351.	3.3	228
119	Calcium-Permeable AMPA Receptor Plasticity Is Mediated by Subunit-Specific Interactions with PICK1 and NSF. Neuron, 2005, 45, 903-915.	3.8	227
120	Tyrosine Phosphorylation and Regulation of the AMPA Receptor by Src Family Tyrosine Kinases. Journal of Neuroscience, 2004, 24, 6152-6160.	1.7	167
121	MAPK cascade signalling and synaptic plasticity. Nature Reviews Neuroscience, 2004, 5, 173-183.	4.9	1,264
122	PKA phosphorylation of AMPA receptor subunits controls synaptic trafficking underlying plasticity. Nature Neuroscience, 2003, 6, 136-143.	7.1	767
123	Requirement of AMPA Receptor GluR2 Phosphorylation for Cerebellar Long-Term Depression. Science, 2003, 300, 1751-1755.	6.0	320
124	Phosphorylation of the AMPA Receptor GluR1 Subunit Is Required for Synaptic Plasticity and Retention of Spatial Memory. Cell, 2003, 112, 631-643.	13.5	699
125	Glutamate Receptor Subunit 2 Serine 880 Phosphorylation Modulates Synaptic Transmission and Mediates Plasticity in CA1 Pyramidal Cells. Journal of Neuroscience, 2003, 23, 9220-9228.	1.7	202
126	The Role of Synaptic GTPase-Activating Protein in Neuronal Development and Synaptic Plasticity. Journal of Neuroscience, 2003, 23, 1119-1124.	1.7	213



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127	Activation of Silent Synapses by Rapid Activity-Dependent Synaptic Recruitment of AMPA Receptors. <i>Journal of Neuroscience</i> , 2001, 21, 6008-6017.	1.7	250
128	Coupling of agonist-induced AMPA receptor internalization with receptor recycling. <i>Journal of Neurochemistry</i> , 2001, 77, 1626-1631.	2.1	31
129	Regulation of distinct AMPA receptor phosphorylation sites during bidirectional synaptic plasticity. <i>Nature</i> , 2000, 405, 955-959.	13.7	996
130	Postsynaptic organisation and regulation of excitatory synapses. <i>Nature Reviews Neuroscience</i> , 2000, 1, 133-141.	4.9	433
131	A light and electron microscopic study of glutamate receptors in the monkey subthalamic nucleus. <i>Journal of Neurocytology</i> , 2000, 29, 743-754.	1.6	14
132	Phosphorylation of the AMPA Receptor Subunit GluR2 Differentially Regulates Its Interaction with PDZ Domain-Containing Proteins. <i>Journal of Neuroscience</i> , 2000, 20, 7258-7267.	1.7	509
133	Detection of Protein Phosphorylation in Tissues and Cells. <i>Current Protocols in Neuroscience</i> , 2000, 11, Unit 5.14.	2.6	3
134	Characterization, Expression, and Distribution of GRIP Protein. <i>Annals of the New York Academy of Sciences</i> , 1999, 868, 535-540.	1.8	31
135	Phosphorylation of DARPP-32 by Cdk5 modulates dopamine signalling in neurons. <i>Nature</i> , 1999, 402, 669-671.	13.7	538
136	Regulation of morphological postsynaptic silent synapses in developing hippocampal neurons. <i>Nature Neuroscience</i> , 1999, 2, 37-43.	7.1	365
137	Rapid, experience-dependent expression of synaptic NMDA receptors in visual cortex in vivo. <i>Nature Neuroscience</i> , 1999, 2, 352-357.	7.1	519
138	Clustering of AMPA Receptors by the Synaptic PDZ Domain-Containing Protein PICK1. <i>Neuron</i> , 1999, 22, 179-187.	3.8	523
139	Characterization of phosphotyrosine containing proteins at the cholinergic synapse. <i>FEBS Letters</i> , 1999, 446, 95-102.	1.3	10
140	Activity-Dependent Modulation of Synaptic AMPA Receptor Accumulation. <i>Neuron</i> , 1998, 21, 1067-1078.	3.8	606
141	NMDA Induces Long-Term Synaptic Depression and Dephosphorylation of the GluR1 Subunit of AMPA Receptors in Hippocampus. <i>Neuron</i> , 1998, 21, 1151-1162.	3.8	617
142	SynGAP: a Synaptic RasGAP that Associates with the PSD-95/SAP90 Protein Family. <i>Neuron</i> , 1998, 20, 683-691.	3.8	585
143	Characterization of the tyrosine phosphorylation and distribution of dystrobrevin isoforms. <i>FEBS Letters</i> , 1998, 432, 133-140.	1.3	40
144	Identification of a Torpedohomolog of Sam68 that interacts with the synapse organizing protein rapsyn. <i>FEBS Letters</i> , 1998, 437, 29-33.	1.3	5

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145	Phosphorylation of the $\hat{1}\pm$ -Amino-3-hydroxy-5-methylisoxazole4-propionic Acid Receptor GluR1 Subunit by Calcium/ Calmodulin-dependent Kinase II. <i>Journal of Biological Chemistry</i> , 1997, 272, 32528-32533.	1.6	382
146	Redistribution and Stabilization of Cell Surface Glutamate Receptors during Synapse Formation. <i>Journal of Neuroscience</i> , 1997, 17, 7351-7358.	1.7	193
147	GRIP: a synaptic PDZ domain-containing protein that interacts with AMPA receptors. <i>Nature</i> , 1997, 386, 279-284.	13.7	812
148	Immunocytochemical localization of the mGluR1? metabotropic glutamate receptor in the dorsal cochlear nucleus. , 1996, 364, 729-745.		58
149	Non-NMDA glutamate receptors are present throughout the primate hypothalamus. <i>Journal of Comparative Neurology</i> , 1995, 353, 539-552.	0.9	21
150	Tyrosine and Serine Phosphorylation of Dystrophin and the 58â€kDa Protein in the Postsynaptic Membrane of <i>&lt;i&gt;Torpedo&lt;/i&gt;</i> Electric Organ. <i>Journal of Neurochemistry</i> , 1994, 62, 1947-1952.	2.1	22
151	Phosphorylation of recombinant non-NMDA glutamate receptors on serine and tyrosine residues. <i>Neurochemical Research</i> , 1993, 18, 105-110.	1.6	42
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153	Phosphorylation and modulation of recombinant GluR6 glutamate receptors by cAMP-dependent protein kinase. <i>Nature</i> , 1993, 361, 637-641.	13.7	288
154	The $\hat{1}\pm$ , $\hat{1}\pm$ 2, and $\hat{1}\pm$ 3 Subunits of GABAA Receptors: Comparison in Seizure-Prone and -Resistant Mice and during Development. <i>Journal of Molecular Neuroscience</i> , 1992, 3, 177-184.	1.1	43
155	Phosphorylation of ligandâ€gated ion channels: a possible mode of synaptic plasticity. <i>FASEB Journal</i> , 1992, 6, 2514-2523.	0.2	230
156	Quantal calcium release by purified reconstituted inositol 1,4,5-trisphosphate receptors. <i>Nature</i> , 1992, 356, 350-352.	13.7	138
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