Ryuichi Shigemoto

List of Publications by Year
in descending order

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241 papers	29,001 citations	5574 82 h-index	5539 163 g-index
266 all docs	266 docs citations	266 times ranked	17513 citing authors

#	Article	IF	Citations
1	OUP accepted manuscript. Microscopy (Oxford, England), 2022, 71, i72-i80.	1.5	1
2	The Number and Distinct Clustering Patterns of Voltage-Gated Calcium Channels in Nerve Terminals. Frontiers in Neuroanatomy, 2022, 16, 846615.	1.7	8
3	Ventro-dorsal Hippocampal Pathway Gates Novelty-Induced Contextual Memory Formation. Current Biology, 2021, 31, 25-38.e5.	3.9	40
4	Presynaptic Î± ₂ Î´ subunits are key organizers of glutamatergic synapses. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
5	GABAB receptor auxiliary subunits modulate Cav2.3-mediated release from medial habenula terminals. ELife, 2021, 10, .	6.0	12
6	RIM-Binding Protein 2 Organizes Ca²⁺ Channel Topography and Regulates Release Probability and Vesicle Replenishment at a Fast Central Synapse. Journal of Neuroscience, 2021, 41, 7742-7767.	3.6	19
7	The role of hippocampal mossy cells in novelty detection. Neurobiology of Learning and Memory, 2021, 183, 107486.	1.9	17
8	Expression mapping, quantification, and complex formation of GluD1 and GluD2 glutamate receptors in adult mouse brain. Journal of Comparative Neurology, 2020, 528, 1003-1027.	1.6	33
9	Reduction in the neuronal surface of post and presynaptic GABA_B receptors in the hippocampus in a mouse model of Alzheimer's disease. Brain Pathology, 2020, 30, 554-575.	4.1	22
10	Deep Learning-Assisted High-Throughput Analysis of Freeze-Fracture Replica Images Applied to Glutamate Receptors and Calcium Channels at Hippocampal Synapses. International Journal of Molecular Sciences, 2020, 21, 6737.	4.1	13
11	Advantages of Acute Brain Slices Prepared at Physiological Temperature in the Characterization of Synaptic Functions. Frontiers in Cellular Neuroscience, 2020, 14, 63.	3.7	31
12	Density of GABAB Receptors Is Reduced in Granule Cells of the Hippocampus in a Mouse Model of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 2459.	4.1	21
13	Synergism of type 1 metabotropic and ionotropic glutamate receptors in cerebellar molecular layer interneurons in vivo. ELife, 2020, 9, .	6.0	3
14	Localization of group II and III metabotropic glutamate receptors at preâ€•and postsynaptic sites of inner hair cell ribbon synapses. FASEB Journal, 2019, 33, 13734-13746.	0.5	18
15	Structural and Functional Remodeling of Amygdala GABAergic Synapses in Associative Fear Learning. Neuron, 2019, 104, 781-794.e4.	8.1	24
16	Optimized Reaction Pair of the CysHis Tag and Ni(II)-NTA Probe for Highly Selective Chemical Labeling of Membrane Proteins. Bulletin of the Chemical Society of Japan, 2019, 92, 995-1000.	3.2	7
17	Electron Microscopic Detection of Single Membrane Proteins by a Specific Chemical Labeling. IScience, 2019, 22, 256-268.	4.1	9
18	HCN channel-mediated neuromodulation can control action potential velocity and fidelity in central axons. ELife, 2019, 8, .	6.0	32

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19	Superâ€resolution structural analysis of dendritic spines using threeâ€dimensional structured illumination microscopy in cleared mouse brain slices. European Journal of Neuroscience, 2018, 47, 1033-1042.	2.6	10
20	Super-resolution Microscopical Localization of Dopamine Receptors 1 and 2 in Rat Hippocampal Synaptosomes. Molecular Neurobiology, 2018, 55, 4857-4869.	4.0	6
21	Differential association of GABAB receptors with their effector ion channels in Purkinje cells. Brain Structure and Function, 2018, 223, 1565-1587.	2.3	27
22	SK2 Channels Associate With mGlu1Î± Receptors and CaV2.1 Channels in Purkinje Cells. Frontiers in Cellular Neuroscience, 2018, 12, 311.	3.7	13
23	Kv2 Ion Channels Determine the Expression and Localization of the Associated AMIGO-1 Cell Adhesion Molecule in Adult Brain Neurons. Frontiers in Molecular Neuroscience, 2018, 11, 1.	2.9	151
24	KCTD12 Auxiliary Proteins Modulate Kinetics of GABA_BReceptor-Mediated Inhibition in Cholecystokinin-Containing Interneurons. Cerebral Cortex, 2017, 27, bhw090.	2.9	19
25	The number and distribution of AMPA receptor channels containing fast kinetic GluA3 and GluA4 subunits at auditory nerve synapses depend on the target cells. Brain Structure and Function, 2017, 222, 3375-3393.	2.3	25
26	Altered surface mGluR5 dynamics provoke synaptic NMDAR dysfunction and cognitive defects in Fmr1 knockout mice. Nature Communications, 2017, 8, 1103.	12.8	71
27	The genetic encoded toolbox for electron microscopy and connectomics. Wiley Interdisciplinary Reviews: Developmental Biology, 2017, 6, e288.	5.9	4
28	Numbers of presynaptic Ca ²⁺ channel clusters match those of functionally defined vesicular docking sites in single central synapses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5246-E5255.	7.1	75
29	PirB regulates asymmetries in hippocampal circuitry. PLoS ONE, 2017, 12, e0179377.	2.5	5
30	Distribution and Structure of Synapses on Medial Vestibular Nuclear Neurons Targeted by Cerebellar Flocculus Purkinje Cells and Vestibular Nerve in Mice: Light and Electron Microscopy Studies. PLoS ONE, 2016, 11, e0164037.	2.5	19
31	Immunogold Protein Localization on Grid-Glued Freeze-Fracture Replicas. Methods in Molecular Biology, 2016, 1474, 203-216.	0.9	5
32	High-Resolution Localization of Membrane Proteins by SDS-Digested Freeze-Fracture Replica Labeling (SDS-FRL). Neuromethods, 2016, , 233-245.	0.3	1
33	Differential expression patterns of K⁺/Cl^{â^'} cotransporter 2 in neurons within the superficial spinal dorsal horn of rats. Journal of Comparative Neurology, 2015, 523, 1967-1983.	1.6	10
34	Distinct subsynaptic localization of type 1 metabotropic glutamate receptors at glutamatergic and <scp>GABA</scp>ergic synapses in the rodent cerebellar cortex. European Journal of Neuroscience, 2015, 41, 157-167.	2.6	17
35	Nanoscale Distribution of Presynaptic Ca2+ Channels and Its Impact on Vesicular Release during Development. Neuron, 2015, 85, 145-158.	8.1	214
36	Endocannabinoids Induce Lateral Long-Term Potentiation of Transmitter Release by Stimulation of Gliotransmission. Cerebral Cortex, 2015, 25, 3699-3712.	2.9	102

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37	Netrin-G/NGL Complexes Encode Functional Synaptic Diversification. Journal of Neuroscience, 2014, 34, 15779-15792.	3.6	58
38	Targetâ€•and inputâ€dependent organization of AMPA and NMDA receptors in synaptic connections of the cochlear nucleus. Journal of Comparative Neurology, 2014, 522, 4023-4042.	1.6	16
39	Distinct kinetics of synaptic structural plasticity, memory formation, and memory decay in massed and spaced learning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E194-202.	7.1	54
40	Postsynaptic insertion of AMPA receptor onto cortical pyramidal neurons in the anterior cingulate cortex after peripheral nerve injury. Molecular Brain, 2014, 7, 76.	2.6	59
41	Distinct cerebellar engrams in short-term and long-term motor learning. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E188-93.	7.1	54
42	Coassembly and Coupling of SK2 Channels and mGlu₅Receptors. Journal of Neuroscience, 2014, 34, 14793-14802.	3.6	20
43	Ultrafast Action Potentials Mediate Kilohertz Signaling at a Central Synapse. Neuron, 2014, 84, 152-163.	8.1	111
44	Cell typeâ€“specific spatial and functional coupling between mammalian brain Kv2.1 K⁺ channels and ryanodine receptors. Journal of Comparative Neurology, 2014, 522, 3555-3574.	1.6	56
45	Cadherin-based adhesions in the apical endfoot are required for active Notch signaling to control neurogenesis in vertebrates. Development (Cambridge), 2014, 141, 1671-1682.	2.5	86
46	Differential subcellular localization of SK3â€containing channels in the hippocampus. European Journal of Neuroscience, 2014, 39, 883-892.	2.6	22
47	Optogenetic Countering of Glial Acidosis Suppresses Glial Glutamate Release and Ischemic Brain Damage. Neuron, 2014, 81, 314-320.	8.1	154
48	Functional Deficiency of MHC Class I Enhances LTP and Abolishes LTD in the Nucleus Accumbens of Mice. PLoS ONE, 2014, 9, e107099.	2.5	13
49	Neural substrates for the distinct effects of presynaptic group III metabotropic glutamate receptors on extinction of contextual fear conditioning in mice. Neuropharmacology, 2013, 66, 274-289.	4.1	35
50	Retrograde Synaptic Signaling Mediated by K+ Efflux through Postsynaptic NMDA Receptors. Cell Reports, 2013, 5, 941-951.	6.4	68
51	Evaluation of glutamate concentration transient in the synaptic cleft of the rat calyx of Held. Journal of Physiology, 2013, 591, 219-239.	2.9	45
52	Neuroligin-1 controls synaptic abundance of NMDA-type glutamate receptors through extracellular coupling. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 725-730.	7.1	164
53	Differential GABAB-Receptor-Mediated Effects in Perisomatic- and Dendrite-Targeting Parvalbumin Interneurons. Journal of Neuroscience, 2013, 33, 7961-7974.	3.6	43
54	Quantitative Localization of Ca_v2.1 (P/Q-Type) Voltage-Dependent Calcium Channels in Purkinje Cells: Somatodendritic Gradient and Distinct Somatic Coclustering with Calcium-Activated Potassium Channels. Journal of Neuroscience, 2013, 33, 3668-3678.	3.6	117

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55	Neuronal major histocompatibility complex class I molecules are implicated in the generation of asymmetries in hippocampal circuitry. Journal of Physiology, 2013, 591, 4777-4791.	2.9	23
56	Association of Rgs7/Gî²5 complexes with girk channels and GABA_Breceptors in hippocampal CA1 pyramidal neurons. Hippocampus, 2013, 23, 1231-1245.	1.9	40
57	Application of an optogenetic byway for perturbing neuronal activity via glial photostimulation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20720-20725.	7.1	139
58	Quantitative Regional and Ultrastructural Localization of the Ca_v2.3 Subunit of R-type Calcium Channel in Mouse Brain. Journal of Neuroscience, 2012, 32, 13555-13567.	3.6	78
59	Mechanisms Underlying Signal Filtering at a Multisynapse Contact. Journal of Neuroscience, 2012, 32, 2357-2376.	3.6	49
60	Thin Dendrites of Cerebellar Interneurons Confer Sublinear Synaptic Integration and a Gradient of Short-Term Plasticity. Neuron, 2012, 73, 1159-1172.	8.1	114
61	Virusâ€mediated swapping of zolpidemâ€insensitive with zolpidemâ€sensitive GABA_A receptors in cortical pyramidal cells. Journal of Physiology, 2012, 590, 1517-1534.	2.9	8
62	Intra-synapse-type and inter-synapse-type relationships between synaptic size and AMPAR expression. Current Opinion in Neurobiology, 2012, 22, 446-452.	4.2	31
63	Hyperpolarization-activated cyclic nucleotide gated channels: a potential molecular link between epileptic seizures and Aî² generation in Alzheimerâ€™s disease. Molecular Neurodegeneration, 2012, 7, 50.	10.8	39
64	Rightâ€hemispheric dominance of spatial memory in splitâ€brain mice. Hippocampus, 2012, 22, 117-121.	1.9	64
65	Developmental profile of SK2 channel expression and function in CA1 neurons. Hippocampus, 2012, 22, 1467-1480.	1.9	35
66	The SK2-long isoform directs synaptic localization and function of SK2-containing channels. Nature Neuroscience, 2011, 14, 744-749.	14.8	52
67	The adherens junction serves as a switch for neurogenesis by facilitating Notchâ€“Delta interaction in vertebrate. Neuroscience Research, 2011, 71, e51.	1.9	0
68	Ultrastructural localization analysis of septins in mammalian nervous system. Neuroscience Research, 2011, 71, e118.	1.9	0
69	Right-hemispheric dominance of dentate granular cell c-fos expression after spatial exploration in split-brain mice. Neuroscience Research, 2011, 71, e179.	1.9	0
70	HCN channelopathy in external globus pallidus neurons in models of Parkinson's disease. Nature Neuroscience, 2011, 14, 85-92.	14.8	160
71	NMDA Receptors in Hippocampal GABAergic Synapses and Their Role in Nitric Oxide Signaling. Journal of Neuroscience, 2011, 31, 5893-5904.	3.6	72
72	Localization of NK1 receptors and roles of substance-P in subepithelial fibroblasts of rat intestinal villi. Cell and Tissue Research, 2010, 342, 243-259.	2.9	6

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73	Subcellular distribution of Î±1G subunit of Tâ€type calcium channel in the mouse dorsal lateral geniculate nucleus. Journal of Comparative Neurology, 2010, 518, 4362-4374.	1.6	22
74	Differential postsynaptic compartments in the laterocapsular division of the central nucleus of amygdala for afferents from the parabrachial nucleus and the basolateral nucleus in the rat. Journal of Comparative Neurology, 2010, 518, 4771-4791.	1.6	25
75	Immunolocalization of multiple membrane proteins on a carbon replica with STEM and EDX. Ultramicroscopy, 2010, 110, 366-374.	1.9	17
76	Quantitative localisation of synaptic and extrasynaptic GABA_A receptor subunits on hippocampal pyramidal cells by freezeâ€fracture replica immunolabelling. European Journal of Neuroscience, 2010, 32, 1868-1888.	2.6	131
77	Selective Participation of Somatodendritic HCN Channels in Inhibitory But Not Excitatory Synaptic Integration in Neurons of the Subthalamic Nucleus. Journal of Neuroscience, 2010, 30, 16025-16040.	3.6	56
78	Disruption of LGI1â€“linked synaptic complex causes abnormal synaptic transmission and epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3799-3804.	7.1	287
79	Immunohistochemical localization of kainate receptors, GluK2/3 (GluR6/7) and GluK5 (KA2), in the mouse hippocampus. Neuroscience Research, 2010, 68, e230-e231.	1.9	0
80	Cbln1 Is a Ligand for an Orphan Glutamate Receptor Î´2, a Bidirectional Synapse Organizer. Science, 2010, 328, 363-368.	12.6	315
81	Localization of voltage-dependent calcium channel subunit alpha 1A (Cav2.1) in the rat cerebellum. Neuroscience Research, 2010, 68, e110.	1.9	0
82	Visual Properties of Transgenic Rats Harboring the Channelrhodopsin-2 Gene Regulated by the Thy-1.2 Promoter. PLoS ONE, 2009, 4, e7679.	2.5	143
83	Mice with Altered Myelin Proteolipid Protein Gene Expression Display Cognitive Deficits Accompanied by Abnormal Neuron-Glia Interactions and Decreased Conduction Velocities. Journal of Neuroscience, 2009, 29, 8363-8371.	3.6	66
84	Input-Specific Intrasynaptic Arrangements of Ionotropic Glutamate Receptors and Their Impact on Postsynaptic Responses. Journal of Neuroscience, 2009, 29, 12896-12908.	3.6	102
85	Bioimaging with Twoâ€Photonâ€Induced Luminescence from Triangular Nanoplates and Nanoparticle Aggregates of Gold. Advanced Materials, 2009, 21, 2309-2313.	21.0	67
86	Largeâ€conductance calciumâ€activated potassium channels in purkinje cell plasma membranes are clustered at sites of hypolemmal microdomains. Journal of Comparative Neurology, 2009, 515, 215-230.	1.6	56
87	Crosstalk between GABAB and mGlu1a receptors reveals new insight into GPCR signal integration. EMBO Journal, 2009, 28, 2195-2208.	7.8	124
88	Subcellular compartmentâ€specific molecular diversity of preâ€and postâ€synaptic GABA_Bâ€activated GIRK channels in Purkinje cells. Journal of Neurochemistry, 2009, 110, 1363-1376.	3.9	65
89	Fluorescent Arc/Arg3.1 indicator mice: A versatile tool to study brain activity changes in vitro and in vivo. Journal of Neuroscience Methods, 2009, 184, 25-36.	2.5	43
90	Selective Gating of Glutamatergic Inputs to Excitatory Neurons of Amygdala by Presynaptic GABAb Receptor. Neuron, 2009, 61, 917-929.	8.1	68

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91	Tuning of the Zernike phase-plate for visualization of detailed ultrastructure in complex biological specimens. Journal of Structural Biology, 2009, 168, 476-484.	2.8	37
92	Developmental clustering of glutamate receptors in the Calyx of Held Synapses. Neuroscience Research, 2009, 65, S142.	1.9	0
93	In vivo remodeling of postsynaptic glutamate receptor organization revealed by freeze-fracture replica labeling. Neuroscience Research, 2009, 65, S144.	1.9	0
94	The GABA_{B1a}Isoform Mediates Heterosynaptic Depression at Hippocampal Mossy Fiber Synapses. Journal of Neuroscience, 2009, 29, 1414-1423.	3.6	54
95	Analysis of neuroligin-3 knock-in mice relevant to autism spectrum disorders. Neuroscience Research, 2009, 65, S257.	1.9	0
96	BK channels in Purkinje cell plasma membranes are concentrated in plasmerosomes at sites of hypolemmal cisternae. BMC Pharmacology, 2008, 8, .	0.4	0
97	The presence of pacemaker HCN channels identifies theta rhythmic GABAergic neurons in the medial septum. Journal of Physiology, 2008, 586, 3893-3915.	2.9	103
98	Increased social interaction in mice deficient of the striatal medium spiny neuronâ€specific phosphodiesterase 10A2. Journal of Neurochemistry, 2008, 105, 546-556.	3.9	100
99	Connexin45-Containing Neuronal Gap Junctions in Rodent Retina Also Contain Connexin36 in Both Apposing Hemiplaques, Forming Bihomotypic Gap Junctions, with Scaffolding Contributed by Zonula Occludens-1. Journal of Neuroscience, 2008, 28, 9769-9789.	3.6	117
100	Numbers, Densities, and Colocalization of AMPA- and NMDA-Type Glutamate Receptors at Individual Synapses in the Superficial Spinal Dorsal Horn of Rats. Journal of Neuroscience, 2008, 28, 9692-9701.	3.6	64
101	Left-right asymmetry of the hippocampal synapses with differential subunit allocation of glutamate receptors. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19498-19503.	7.1	172
102	Dendritic I_h Ensures High-Fidelity Dendritic Spike Responses of Motion-Sensitive Neurons in Rat Superior Colliculus. Journal of Neurophysiology, 2008, 99, 2066-2076.	1.8	28
103	Right Isomerism of the Brain in Inversus Viscerum Mutant Mice. PLoS ONE, 2008, 3, e1945.	2.5	36
104	HCN2 and HCN4 Isoforms Self-assemble and Co-assemble with Equal Preference to Form Functional Pacemaker Channels. Journal of Biological Chemistry, 2007, 282, 22900-22909.	3.4	51
105	Localization of HCN1 Channels to Presynaptic Compartments: Novel Plasticity That May Contribute to Hippocampal Maturation. Journal of Neuroscience, 2007, 27, 4697-4706.	3.6	65
106	Number and Density of AMPA Receptors in Individual Synapses in the Rat Cerebellum as Revealed by SDS-Digested Freeze-Fracture Replica Labeling. Journal of Neuroscience, 2007, 27, 2135-2144.	3.6	157
107	Morphology and synaptic input of substance P receptor-immunoreactive interneurons in control and epileptic human hippocampus. Neuroscience, 2007, 144, 495-508.	2.3	18
108	Metabotropic glutamate receptor 4-immunopositive terminals of medium-sized spiny neurons selectively form synapses with cholinergic interneurons in the rat neostriatum. Journal of Comparative Neurology, 2007, 500, 908-922.	1.6	12

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109	Functional presynaptic HCN channels in the rat globus pallidus. European Journal of Neuroscience, 2007, 25, 2081-2092.	2.6	46
110	Developing oligodendrocytes express functional GABABreceptors that stimulate cell proliferation and migration. Journal of Neurochemistry, 2007, 100, 822-840.	3.9	81
111	The coexistence of multiple receptors in a single nerve terminal provides evidence for pre-synaptic integration. Journal of Neurochemistry, 2007, 103, 2314-2326.	3.9	12
112	High-resolution quantitative visualization of glutamate and GABA receptors at central synapses. Current Opinion in Neurobiology, 2007, 17, 387-393.	4.2	103
113	Expression of group II metabotropic glutamate receptors in rat gustatory papillae. Cell and Tissue Research, 2007, 328, 57-63.	2.9	24
114	Differential localization and regulation of stargazin-like protein, Î³-8 and stargazin in the plasma membrane of hippocampal and cortical neurons. Neuroscience Research, 2006, 55, 45-53.	1.9	51
115	Differential Compartmentalization and Distinct Functions of GABAB Receptor Variants. Neuron, 2006, 50, 589-601.	8.1	289
116	A CaV2.1 calcium channel mutationrockerreduces the number of postsynaptic AMPA receptors in parallel fiber-Purkinje cell synapses. European Journal of Neuroscience, 2006, 24, 2993-3007.	2.6	27
117	Generalization of amygdala LTP and conditioned fear in the absence of presynaptic inhibition. Nature Neuroscience, 2006, 9, 1028-1035.	14.8	181
118	Metabotropic glutamate receptors. Cell and Tissue Research, 2006, 326, 483-504.	2.9	488
119	Quantitative Analysis and Subcellular Distribution of mRNA and Protein Expression of the Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels throughout Development in Rat Hippocampus. Cerebral Cortex, 2006, 17, 702-712.	2.9	88
120	Compartment-Dependent Colocalization of Kir3.2-Containing K+ Channels and GABAB Receptors in Hippocampal Pyramidal Cells. Journal of Neuroscience, 2006, 26, 4289-4297.	3.6	131
121	Preferential localization of the hyperpolarization-activated cyclic nucleotide-gated cation channel subunit HCN1 in basket cell terminals of the rat cerebellum. European Journal of Neuroscience, 2005, 21, 2073-2082.	2.6	67
122	GABABand CB1cannabinoid receptor expression identifies two types of septal cholinergic neurons. European Journal of Neuroscience, 2005, 21, 3034-3042.	2.6	49
123	Differential distribution of release-related proteins in the hippocampal CA3 area as revealed by freeze-fracture replica labeling. Journal of Comparative Neurology, 2005, 489, 195-216.	1.6	89
124	Neurogliaform Neurons Form a Novel Inhibitory Network in the Hippocampal CA1 Area. Journal of Neuroscience, 2005, 25, 6775-6786.	3.6	233
125	Metabotropic Glutamate Receptor 8-Expressing Nerve Terminals Target Subsets of GABAergic Neurons in the Hippocampus. Journal of Neuroscience, 2005, 25, 10520-10536.	3.6	124
126	Target-Cell-Specific Left-Right Asymmetry of NMDA Receptor Content in Schaffer Collateral Synapses in A1/NR2A Knock-Out Mice. Journal of Neuroscience, 2005, 25, 9213-9226.	3.6	47

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127	Number and Density of AMPA Receptors in Single Synapses in Immature Cerebellum. Journal of Neuroscience, 2005, 25, 799-807.	3.6	150
128	Morphological evidence for GABA/glycine-cocontaining terminals in synaptic contact with neurokinin-1 receptor-expressing neurons in the sacral dorsal commissural nucleus of the rat. Neuroscience Letters, 2005, 388, 144-148.	2.1	8
129	Cellular Localization of GABA and GABAB Receptor Subunit Proteins During Spermiogenesis in Rat Testis. Journal of Andrology, 2005, 26, 485-493.	2.0	23
130	Downregulation of a Metabotropic Glutamate Receptor in the Parkinsonian Basal Ganglia. , 2005, , 255-263.		0
131	Bidirectional Interactions between H-Channels and Na+-K+ Pumps in Mesencephalic Trigeminal Neurons. Journal of Neuroscience, 2004, 24, 3694-3702.	3.6	28
132	HCN2 and HCN1 Channels Govern the Regularity of Autonomous Pacemaking and Synaptic Resetting in Globus Pallidus Neurons. Journal of Neuroscience, 2004, 24, 9921-9932.	3.6	158
133	GABAergic basket cells expressing cholecystokinin contain vesicular glutamate transporter type 3 (VGLUT3) in their synaptic terminals in hippocampus and isocortex of the rat. European Journal of Neuroscience, 2004, 19, 552-569.	2.6	179
134	Immunocytochemical localization of the alpha1A subunit of the P/Q-type calcium channel in the rat cerebellum. European Journal of Neuroscience, 2004, 19, 2169-2178.	2.6	83
135	Depression of GABAergic input to identified hippocampal neurons by group III metabotropic glutamate receptors in the rat. European Journal of Neuroscience, 2004, 19, 2727-2740.	2.6	55
136	Immunolocalization of metabotropic glutamate receptor 1? (mGluR1?) in distinct classes of interneuron in the CA1 region of the rat hippocampus. Hippocampus, 2004, 14, 193-215.	1.9	116
137	Distribution of metabotropic GABA receptor subunits GABAB1a/band GABAB2in the rat hippocampus during prenatal and postnatal development. Hippocampus, 2004, 14, 836-848.	1.9	74
138	Immunohistochemical localization of I_h channel subunits, HCN1â€“4, in the rat brain. Journal of Comparative Neurology, 2004, 471, 241-276.	1.6	497
139	Localization of the GABABreceptor 1a/b subunit relative to glutamatergic synapses in the dorsal cochlear nucleus of the rat. Journal of Comparative Neurology, 2004, 475, 36-46.	1.6	43
140	Expression of metabotropic glutamate receptor group I in rat gustatory papillae. Cell and Tissue Research, 2003, 313, 29-35.	2.9	104
141	Mechanisms underlying cerebellar motor deficits due to mGluR1-autoantibodies. Annals of Neurology, 2003, 53, 325-336.	5.3	169
142	Subtype-specific coupling with ADP-ribosyl cyclase of metabotropic glutamate receptors in retina, cervical superior ganglion and NG108-15 cells. Journal of Neurochemistry, 2003, 85, 1148-1158.	3.9	19
143	Long-term potentiation of mGluR1 activity by depolarization-induced Homer1a in mouse cerebellar Purkinje neurons. European Journal of Neuroscience, 2003, 17, 1023-1032.	2.6	41
144	High level of mGluR7 in the presynaptic active zones of select populations of GABAergic terminals innervating interneurons in the rat hippocampus. European Journal of Neuroscience, 2003, 17, 2503-2520.	2.6	85

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145	Cell type-dependent expression of HCN1 in the main olfactory bulb. European Journal of Neuroscience, 2003, 18, 344-354.	2.6	36
146	The density of AMPA receptors activated by a transmitter quantum at the climbing fibreâ€Purkinje cell synapse in immature rats. Journal of Physiology, 2003, 549, 75-92.	2.9	58
147	Asymmetrical Allocation of NMDA Receptor epsilon2 Subunits in Hippocampal Circuitry. Science, 2003, 300, 990-994.	12.6	215
148	Co-expression of Metabotropic Glutamate Receptor 7 and N-type Ca2+ Channels in Single Cerebrocortical Nerve Terminals of Adult Rats. Journal of Biological Chemistry, 2003, 278, 23955-23962.	3.4	31
149	Blockade of GABAB Receptors Alters the Tangential Migration of Cortical Neurons. Cerebral Cortex, 2003, 13, 932-942.	2.9	122
150	Differential expression patterns of mGluR1Î± in monkey nigral dopamine neurons. NeuroReport, 2003, 14, 947-950.	1.2	9
151	Differential expression patterns of mGluR1Î± in monkey nigral dopamine neurons. NeuroReport, 2003, 14, 947-950.	1.2	14
152	Subcellular Localization of Metabotropic GABABReceptor Subunits GABAB1a/band GABAB2in the Rat Hippocampus. Journal of Neuroscience, 2003, 23, 11026-11035.	3.6	215
153	Enrichment of mGluR7a in the Presynaptic Active Zones of GABAergic and Non-GABAergic Terminals on Interneurons in the Rat Somatosensory Cortex. Cerebral Cortex, 2002, 12, 961-974.	2.9	98
154	The Inhibition of Glutamate Release by Metabotropic Glutamate Receptor 7 Affects Both [Ca2+] and cAMP. Journal of Biological Chemistry, 2002, 277, 14092-14101.	3.4	75
155	Subtype-specific Expression of Group III Metabotropic Glutamate Receptors and Ca2+ Channels in Single Nerve Terminals. Journal of Biological Chemistry, 2002, 277, 47796-47803.	3.4	32
156	Expression of the Metabotropic Glutamate Receptor, mGluR4a, in the Taste Hairs of Taste Buds in Rat Gustatory Papillae.. Archives of Histology and Cytology, 2002, 65, 91-96.	0.2	54
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