Michisuke Yuzaki

List of Publications by Year
in descending order

172 papers	14,570 citations	30551 56 h-index	22488 117 g-index
199 all docs	199 docs citations	199 times ranked	22952 citing authors

#	Article	IF	Citations
1	Coordination chemogenetics for activation of GPCR-type glutamate receptors in brain tissue. Nature Communications, 2022, 13, .	5.8	7
2	Site-specific covalent labeling of His-tag fused proteins with N-acyl-N-alkyl sulfonamide reagent. Bioorganic and Medicinal Chemistry, 2021, 30, 115947.	1.4	12
3	Ligand-directed two-step labeling to quantify neuronal glutamate receptor trafficking. Nature Communications, 2021, 12, 831.	5.8	24
4	The autism-associated protein CHD8 is required for cerebellar development and motor function. Cell Reports, 2021, 35, 108932.	2.9	27
5	Masao Itoâ€"A Visionary Neuroscientist with a Passion for the Cerebellum. Neuroscience, 2021, 462, 1-3.	1.1	2
6	Destroy the old to build the new: Activity-dependent lysosomal exocytosis in neurons. Neuroscience Research, 2021, 167, 38-46.	1.0	9
7	â€œScrap & buildâ€•functional circuits: Molecular and cellular basis of neural remodeling. Neuroscience Research, 2021, 167, 1-2.	1.0	3
8	Subunit-dependent and subunit-independent rules of AMPA receptor trafficking during chemical long-term depression in hippocampal neurons. Journal of Biological Chemistry, 2021, 297, 100949.	1.6	2
9	MeCP2 Levels Regulate the 3D Structure of Heterochromatic Foci in Mouse Neurons. Journal of Neuroscience, 2020, 40, 8746-8766.	1.7	18
10	Resilience to capsaicin-induced mitochondrial damage in trigeminal ganglion neurons. Molecular Pain, 2020, 16, 174480692096085.	1.0	3
11	A synthetic synaptic organizer protein restores glutamatergic neuronal circuits. Science, 2020, 369, .	6.0	78
12	Calsyntenin-3 interacts with both Î±- and Î²-neurexins in the regulation of excitatory synaptic innervation in specific Schaffer collateral pathways. Journal of Biological Chemistry, 2020, 295, 9244-9262.	1.6	14
13	Visualization of AMPA receptors in living human brain with positron emission tomography. Nature Medicine, 2020, 26, 281-288.	15.2	50
14	Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 2020, 106, 37-65.e5.	3.8	109
15	Novel optogenetic and chemogenetic tools for understanding of molecular mechanismsÂwhich underlieÂlearning and memory.. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 1-S08-3.	0.0	0
16	Hyaluronan synthesis supports glutamate transporter activity. Journal of Neurochemistry, 2019, 150, 249-263.	2.1	6
17	In vivo Two-Photon Imaging of Anesthesia-Specific Alterations in Microglial Surveillance and Photodamage-Directed Motility in Mouse Cortex. Frontiers in Neuroscience, 2019, 13, 421.	1.4	39
18	Mice lacking EFA6C/Psd2, a guanine nucleotide exchange factor for Arf6, exhibit lower Purkinje cell synaptic density but normal cerebellar motor functions. PLoS ONE, 2019, 14, e0216960.	1.1	1

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19	Activity-Dependent Secretion of Synaptic Organizer Cbln1 from Lysosomes in Granule Cell Axons. Neuron, 2019, 102, 1184-1198.e10.	3.8	42
20	PIP3-Phldb2 is crucial for LTP regulating synaptic NMDA and AMPA receptor density and PSD95 turnover. Scientific Reports, 2019, 9, 4305.	1.6	13
21	PhotonSABER: new tool shedding light on endocytosis and learning mechanisms <i>in vivo</i>. Communicative and Integrative Biology, 2019, 12, 34-37.	0.6	0
22	Interneuronal NMDA receptors regulate longâ€term depression and motor learning in the cerebellum. Journal of Physiology, 2019, 597, 903-920.	1.3	31
23	Improvement of cerebellar ataxic gait by injecting Cbln1 into the cerebellum of cbln1-null mice. Scientific Reports, 2018, 8, 6184.	1.6	12
24	Functional interactions between transient receptor potential M8 and transient receptor potential V1 in the trigeminal system: Relevance to migraine pathophysiology. Cephalalgia, 2018, 38, 833-845.	1.8	36
25	Two Classes of Secreted Synaptic Organizers in the Central Nervous System. Annual Review of Physiology, 2018, 80, 243-262.	5.6	93
26	Spatiotemporal regulation of the GPCR activity of BAI3 by C1qL4 and Stabilin-2 controls myoblast fusion. Nature Communications, 2018, 9, 4470.	5.8	40
27	La Dolce Vita of Neurexin: Synaptic Partnerships through Glycosaminoglycans. Cell, 2018, 174, 1337-1338.	13.5	1
28	Caveolin-1 Promotes Early Neuronal Maturation via Caveolae-Independent Trafficking of N-Cadherin and L1. IScience, 2018, 7, 53-67.	1.9	31
29	Cellular and Subcellular Localization of Endogenous Neuroligin-1 in the Cerebellum. Cerebellum, 2018, 17, 709-721.	1.4	8
30	Nav1.2 haplodeficiency in excitatory neurons causes absence-like seizures in mice. Communications Biology, 2018, 1, 96.	2.0	75
31	Optogenetic Control of Synaptic AMPA Receptor Endocytosis Reveals Roles of LTD in Motor Learning. Neuron, 2018, 99, 985-998.e6.	3.8	71
32	Rab family small GTPases-mediated regulation of intracellular logistics in neural development. Histology and Histopathology, 2018, 33, 765-771.	0.5	21
33	Delta Glutamate Receptor (GluD1, GluD2). , 2018, , 1345-1352.		0
34	Cbln1. , 2018, , 776-782.		0
35	AP-4. , 2018, , 342-347.		0
36	A GluD Coming-Of-Age Story. Trends in Neurosciences, 2017, 40, 138-150.	4.2	75

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37	The C1q complement family of synaptic organizers: not just complementary. Current Opinion in Neurobiology, 2017, 45, 9-15.	2.0	70
38	Rapid differentiation of human pluripotent stem cells into functional neurons by mRNAs encoding transcription factors. Scientific Reports, 2017, 7, 42367.	1.6	83
39	MTCL1 plays an essential role in maintaining Purkinje neuron axon initial segment. EMBO Journal, 2017, 36, 1227-1242.	3.5	38
40	Neural differentiation of human embryonic stem cells induced by the transgene-mediated overexpression of single transcription factors. Biochemical and Biophysical Research Communications, 2017, 490, 296-301.	1.0	30
41	Chemical labelling for visualizing native AMPA receptors in live neurons. Nature Communications, 2017, 8, 14850.	5.8	75
42	Dendritic Homeostasis Disruption in a Novel Frontotemporal Dementia Mouse Model Expressing Cytoplasmic Fused in Sarcoma. EBioMedicine, 2017, 24, 102-115.	2.7	25
43	Signaling Pathways Relevant to Nerve Growth Factor-induced Upregulation of Transient Receptor Potential M8 Expression. Neuroscience, 2017, 367, 178-188.	1.1	7
44	Glutamate transporter GLAST controls synaptic wrapping by Bergmann glia and ensures proper wiring of Purkinje cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7438-7443.	3.3	54
45	A novel ALS/FTD model mouse expressing cytoplasmic mutant FUS leads neurodegeneration via dendritic homeostasis disruption. Journal of the Neurological Sciences, 2017, 381, 62.	0.3	0
46	Long-Term Depression at Parallel Fiber-Purkinje Cell Synapses. , 2016, , 329-334.		0
47	Transsynaptic Modulation of Kainate Receptor Functions by C1q-like Proteins. Neuron, 2016, 90, 752-767.	3.8	150
48	Structural basis for integration of GluD receptors within synaptic organizer complexes. Science, 2016, 353, 295-299.	6.0	128
49	Roles of Cbln1 in Non-Motor Functions of Mice. Journal of Neuroscience, 2016, 36, 11801-11816.	1.7	63
50	A novel non-canonical Notch signaling regulates expression of synaptic vesicle proteins in excitatory neurons. Scientific Reports, 2016, 6, 23969.	1.6	13
51	Allosteric activation of membrane-bound glutamate receptors using coordination chemistry within living cells. Nature Chemistry, 2016, 8, 958-967.	6.6	23
52	A Computational Model for the AMPA Receptor Phosphorylation Master Switch Regulating Cerebellar Long-Term Depression. PLoS Computational Biology, 2016, 12, e1004664.	1.5	22
53	Cbln1. , 2016, , 1-6.		0
54	Physiological Functions of d-Serine Mediated Through Î´2 Glutamate Receptors in the Cerebellum. , 2016, , 65-80.		0

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55	Delta Glutamate Receptor (GluD1, GluD2). , 2016, , 1-8.		0
56	Involvement of GluD2 in Fear-Conditioned Bradycardia in Mice. PLoS ONE, 2016, 11, e0166144.	1.1	2
57	Controlling the Regional Identity of hPSC-Derived Neurons to Uncover Neuronal Subtype Specificity of Neurological Disease Phenotypes. Stem Cell Reports, 2015, 5, 1010-1022.	2.3	84
58	Anterograde C1ql1 Signaling Is Required in Order to Determine and Maintain a Single-Winner Climbing Fiber in the Mouse Cerebellum. Neuron, 2015, 85, 316-329.	3.8	161
59	RORÂ Regulates Multiple Aspects of Dendrite Development in Cerebellar Purkinje Cells In Vivo. Journal of Neuroscience, 2015, 35, 12518-12534.	1.7	47
60	Axonal Localization of Ca2+-Dependent Activator Protein for Secretion 2 Is Critical for Subcellular Locality of Brain-Derived Neurotrophic Factor and Neurotrophin-3 Release Affecting Proper Development of Postnatal Mouse Cerebellum. PLoS ONE, 2014, 9, e99524.	1.1	15
61	Cbln1 downregulates the formation and function of inhibitory synapses in mouse cerebellar Purkinje cells. European Journal of Neuroscience, 2014, 39, 1268-1280.	1.2	13
62	Neural ECM and synaptogenesis. Progress in Brain Research, 2014, 214, 29-51.	0.9	41
63	Enriched Expression of GluD1 in Higher Brain Regions and Its Involvement in Parallel Fiberâ€"Interneuron Synapse Formation in the Cerebellum. Journal of Neuroscience, 2014, 34, 7412-7424.	1.7	89
64	The role of Cbln1 on Purkinje cell synapse formation. Neuroscience Research, 2014, 83, 64-68.	1.0	14
65	Minimum Information about a Spinal Cord Injury Experiment: A Proposed Reporting Standard for Spinal Cord Injury Experiments. Journal of Neurotrauma, 2014, 31, 1354-1361.	1.7	74
66	Reprogramming non-human primate somatic cells into functional neuronal cells by defined factors. Molecular Brain, 2014, 7, 24.	1.3	26
67	Rab8a and Rab8b are essential for several apical transport pathways but insufficient for ciliogenesis. Development (Cambridge), 2014, 141, e406-e406.	1.2	0
68	Cerebellar LTD vs. motor learningâ€"Lessons learned from studying GluD2. Neural Networks, 2013, 47, 36-41.	3.3	42
69	Stargazin regulates AMPA receptor trafficking through adaptor protein complexes during long-term depression. Nature Communications, 2013, 4, 2759.	5.8	62
70	Rab8a and Rab8b are essential for multiple apical transport pathways but insufficient for ciliogenesis. Journal of Cell Science, 2013, 127, 422-31.	1.2	102
71	Unlocking the secrets of the Î´2 glutamate receptor. Communicative and Integrative Biology, 2013, 6, e26466.	0.6	11
72	CAPS1 Deficiency Perturbs Dense-Core Vesicle Trafficking and Golgi Structure and Reduces Presynaptic Release Probability in the Mouse Brain. Journal of Neuroscience, 2013, 33, 17326-17334.	1.7	20

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73	Deletions in <i>GRID2</i> lead to a recessive syndrome of cerebellar ataxia and tonic upgaze in humans. Neurology, 2013, 81, 1378-1386.	1.5	88
74	The Î´2 glutamate receptor gates long-term depression by coordinating interactions between two AMPA receptor phosphorylation sites. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E948-57.	3.3	81
75	Reevaluation of the role of parallel fiber synapses in delay eyeblink conditioning in mice using Cbln1 as a tool. Frontiers in Neural Circuits, 2013, 7, 180.	1.4	21
76	Presynaptically Released Cbln1 Induces Dynamic Axonal Structural Changes by Interacting with GluD2 during Cerebellar Synapse Formation. Neuron, 2012, 76, 549-564.	3.8	66
77	NMDA Receptor-Mediated PIP5K Activation to Produce PI(4,5)P2 Is Essential for AMPA Receptor Endocytosis during LTD. Neuron, 2012, 73, 135-148.	3.8	63
78	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
79	Alpha-2-Macroglobulin Receptor (A2MR). , 2012, , 100-100.		0
80	Characteristics of Gait Ataxia in Î´2 Glutamate Receptor Mutant Mice, ho15J. PLoS ONE, 2012, 7, e47553.	1.1	16
81	Efficient Derivation of Multipotent Neural Stem/Progenitor Cells from Non-Human Primate Embryonic Stem Cells. PLoS ONE, 2012, 7, e49469.	1.1	26
82	Cbln1 and the Delta2 Glutamate Receptorâ€"An Orphan Ligand and an Orphan Receptor Find Their Partners. Cerebellum, 2012, 11, 78-84.	1.4	19
83	The Ins and Outs of GluD2â€"Why and How Purkinje Cells Use the Special Glutamate Receptor. Cerebellum, 2012, 11, 438-439.	1.4	6
84	Cerebellar longâ€term depression requires dephosphorylation of TARP in Purkinje cells. European Journal of Neuroscience, 2012, 35, 402-410.	1.2	31
85	Selective and regulated gene expression in murine Purkinje cells by <i>in utero</i> electroporation. European Journal of Neuroscience, 2012, 36, 2867-2876.	1.2	28
86	Serotonin Mediates Cross-Modal Reorganization of Cortical Circuits. Neuron, 2011, 69, 780-792.	3.8	119
87	Cbln family proteins promote synapse formation by regulating distinct neurexin signaling pathways in various brain regions. European Journal of Neuroscience, 2011, 33, 1447-1461.	1.2	140
88	Cbln1 and its family proteins in synapse formation and maintenance. Current Opinion in Neurobiology, 2011, 21, 215-220.	2.0	65
89	A New Rapid Protocol for Eyeblink Conditioning to Assess Cerebellar Motor Learning. Neurochemical Research, 2011, 36, 1314-1322.	1.6	1
90	D-Serine regulates cerebellar LTD and motor coordination through the Î´2 glutamate receptor. Nature Neuroscience, 2011, 14, 603-611.	7.1	158

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91	Efficient generation of mature cerebellar Purkinje cells from mouse embryonic stem cells. Journal of Neuroscience Research, 2010, 88, 234-247.	1.3	36
92	Distinct expression of C1qâ€like family mRNAs in mouse brain and biochemical characterization of their encoded proteins. European Journal of Neuroscience, 2010, 31, 1606-1615.	1.2	65
93	Synapse formation and maintenance by C1q family proteins: a new class of secreted synapse organizers. European Journal of Neuroscience, 2010, 32, 191-197.	1.2	41
94	Therapeutic potential of appropriately evaluated safe-induced pluripotent stem cells for spinal cord injury. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12704-12709.	3.3	489
95	Reevaluation of Neurodegeneration in<i>lurcher</i>Mice: Constitutive Ion Fluxes Cause Cell Death with, Not by, Autophagy. Journal of Neuroscience, 2010, 30, 2177-2187.	1.7	32
96	A response to Dr. Yue's commentary. Autophagy, 2010, 6, 573-573.	4.3	1
97	Dynein- and activity-dependent retrograde transport of autophagosomes in neuronal axons. Autophagy, 2010, 6, 378-385.	4.3	75
98	Excitotoxicity and autophagy:Lurchermay not be a model of "autophagic cell death". Autophagy, 2010, 6, 568-570.	4.3	17
99	Cerebellar LTD and regulation by TARPs. Neuroscience Research, 2010, 68, e342.	1.0	0
100	Cbln1 Is a Ligand for an Orphan Glutamate Receptor Î´2, a Bidirectional Synapse Organizer. Science, 2010, 328, 363-368.	6.0	315
101	New mechanisms regulating stability and dynamics of AMPA receptors. Neuroscience Research, 2010, 68, e7.	1.0	0
102	Cbln1 and its receptor: A unique and essential bidirectional synaptic organizer complex. Neuroscience Research, 2010, 68, e34.	1.0	0
103	Snapin Snaps into the Dynein Complex for Late Endosome-Lysosome Trafficking and Autophagy. Neuron, 2010, 68, 4-6.	3.8	12
104	Cbln1 induces structural changes of parallel fibers at defined sites by interactions with glutamate receptor delta 2. Neuroscience Research, 2010, 68, e335.	1.0	0
105	Ionotropic Glutamate Receptor AMPA 1 Is Associated with Ovulation Rate. PLoS ONE, 2010, 5, e13817.	1.1	25
106	The N-Terminal Domain of GluD2 (GluRÎ´2) Recruits Presynaptic Terminals and Regulates Synaptogenesis in the Cerebellum<i>In Vivo</i>. Journal of Neuroscience, 2009, 29, 5738-5748.	1.7	65
107	Activity-Dependent Repression of Cbln1 Expression: Mechanism for Developmental and Homeostatic Regulation of Synapses in the Cerebellum. Journal of Neuroscience, 2009, 29, 5425-5434.	1.7	33
108	Cbln1 accumulates and colocalizes with Cbln3 and GluRÎ´2 at parallel fiberâ€“Purkinje cell synapses in the mouse cerebellum. European Journal of Neuroscience, 2009, 29, 693-706.	1.2	38

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109	Cbln1 binds to specific postsynaptic sites at parallel fiberâ€"Purkinje cell synapses in the cerebellum. European Journal of Neuroscience, 2009, 29, 707-717.	1.2	10
110	New (but old) molecules regulating synapse integrity and plasticity: Cbln1 and the Î´2 glutamate receptor. Neuroscience, 2009, 162, 633-643.	1.1	45
111	Polarized sorting of AMPA receptors to the somatodendritic domain is regulated by adaptor protein AP-4. Neuroscience Research, 2009, 65, 1-5.	1.0	15
112	Cbln and C1q family proteins â€" New transneuronal cytokines. Cellular and Molecular Life Sciences, 2008, 65, 1698-1705.	2.4	69
113	Delta Receptors. , 2008, , 159-178.		0
114	Accumulation of AMPA Receptors in Autophagosomes in Neuronal Axons Lacking Adaptor Protein AP-4. Neuron, 2008, 57, 730-745.	3.8	143
115	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	4.3	2,064
116	Cbln1 Regulates Rapid Formation and Maintenance of Excitatory Synapses in Mature Cerebellar Purkinje Cells In Vitro and In Vivo. Journal of Neuroscience, 2008, 28, 5920-5930.	1.7	104
117	Differential Regulation of Synaptic Plasticity and Cerebellar Motor Learning by the C-Terminal PDZ-Binding Motif of GluRÎ´2. Journal of Neuroscience, 2008, 28, 1460-1468.	1.7	83
118	AP-4: Auto-phagy 4 mislocalized proteins in axons. Autophagy, 2008, 4, 815-816.	4.3	10
119	Phosphorylation of Delta2 Glutamate Receptors at Serine 945 is Not Required for Cerebellar Long-term Depression. Keio Journal of Medicine, 2008, 57, 105-110.	0.5	7
120	Impaired Cerebellar Development and Function in Mice Lacking CAPS2, a Protein Involved in Neurotrophin Release. Journal of Neuroscience, 2007, 27, 2472-2482.	1.7	137
121	Aberrant Membranes and Double-Membrane Structures Accumulate in the Axons of<i>Atg5</i>-Null Purkinje Cells before Neuronal Death. Autophagy, 2007, 3, 591-596.	4.3	145
122	Ca2+permeability of the channel pore is not essential for the Î´2 glutamate receptor to regulate synaptic plasticity and motor coordination. Journal of Physiology, 2007, 579, 729-735.	1.3	38
123	The Î´2 â€˜ionotropicâ€™ glutamate receptor functions as a nonâ€ionotropic receptor to control cerebellar synaptic plasticity. Journal of Physiology, 2007, 584, 89-96.	1.3	60
124	Characterization of a transneuronal cytokine family Cblnâ€ƒâ€"â€ƒregulation of secretion by heteromeric assembly. European Journal of Neuroscience, 2007, 25, 1049-1057.	1.2	54
125	The extreme C-terminus of GluRÎ´2 is essential for induction of long-term depression in cerebellar slices. European Journal of Neuroscience, 2007, 25, 1357-1362.	1.2	47
126	The Lurcher mouse: Fresh insights from an old mutant. Brain Research, 2007, 1140, 4-18.	1.1	66

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127	Ho15Jâ€"A new hotfoot allele in a hot spot in the gene encoding the Î´2 glutamate receptor. Brain Research, 2007, 1140, 153-160.	1.1	24
128	Distinct expression of Cbln family mRNAs in developing and adult mouse brains. European Journal of Neuroscience, 2006, 24, 750-760.	1.2	106
129	ERK1/2 but not p38 MAP kinase is essential for the long-term depression in mouse cerebellar slices. European Journal of Neuroscience, 2006, 24, 1617-1622.	1.2	26
130	Characterization of the Î´2 Glutamate Receptor-binding Protein Delphilin. Journal of Biological Chemistry, 2006, 281, 25577-25587.	1.6	41
131	A New Motif Necessary and Sufficient for Stable Localization of the Î´2 Glutamate Receptors at Postsynaptic Spines. Journal of Biological Chemistry, 2006, 281, 17501-17509.	1.6	10
132	Induction of long-term depression and phosphorylation of the Î´2 glutamate receptor by protein kinase C in cerebellar slices. European Journal of Neuroscience, 2005, 22, 1817-1820.	1.2	30
133	Cbln1 is essential for synaptic integrity and plasticity in the cerebellum. Nature Neuroscience, 2005, 8, 1534-1541.	7.1	301
134	Rescue of abnormal phenotypes of the Î´2 glutamate receptorâ€null mice by mutant Î´2 transgenes. EMBO Reports, 2005, 6, 90-95.	2.0	56
135	Transgenic rescue for characterizing orphan receptors: a review of Î´2 glutamate receptor. Transgenic Research, 2005, 14, 117-121.	1.3	15
136	Hzf protein regulates dendritic localization and BDNF-induced translation of type 1 inositol 1,4,5-trisphosphate receptor mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17190-17195.	3.3	24
137	Roles of the N-terminal Domain on the Function and Quaternary Structure of the Ionotropic Glutamate Receptor. Journal of Biological Chemistry, 2005, 280, 20021-20029.	1.6	28
138	Potential functional neural repair with grafted neural stem cells of early embryonic neuroepithelial origin. Neuroscience Research, 2005, 52, 276-286.	1.0	26
139	From The Cover: A mechanism underlying AMPA receptor trafficking during cerebellar long-term potentiation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17846-17851.	3.3	99
140	The C-terminal juxtamembrane region of the delta2 glutamate receptor controls its export from the endoplasmic reticulum. European Journal of Neuroscience, 2004, 19, 1683-1690.	1.2	13
141	The Î´2 glutamate receptor: a key molecule controlling synaptic plasticity and structure in Purkinje cells. Cerebellum, 2004, 3, 89-93.	1.4	60
142	A hot spot forhotfootmutations in the gene encoding the Î´2 glutamate receptor. European Journal of Neuroscience, 2003, 17, 1581-1590.	1.2	41
143	New role of Î´2-glutamate receptors in AMPA receptor trafficking and cerebellar function. Nature Neuroscience, 2003, 6, 869-876.	7.1	123
144	The Î´2 glutamate receptor: 10 years later. Neuroscience Research, 2003, 46, 11-22.	1.0	109

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145	Heteromer formation of Î´2 glutamate receptors with AMPA or kainate receptors. Molecular Brain Research, 2003, 110, 27-37.	2.5	32
146	Differential expression and function of apoptosis-associated tyrosine kinase (AATYK) in the developing mouse brain. Molecular Brain Research, 2003, 112, 103-112.	2.5	26
147	Specific Assembly with the NMDA Receptor 3B Subunit Controls Surface Expression and Calcium Permeability of NMDA Receptors. Journal of Neuroscience, 2003, 23, 10064-10073.	1.7	120
148	New insights into the structure and function of glutamate receptors: the orphan receptor .DELTA.2 reveals its family's secrets.. Keio Journal of Medicine, 2003, 52, 92-99.	0.5	14
149	Cloning and characterization of a novel NMDA receptor subunit NR3B: a dominant subunit that reduces calcium permeability. Molecular Brain Research, 2002, 100, 43-52.	2.5	162
150	Mutation inhotfoot-4Jmice results in retention of Î´2 glutamate receptors in ER. European Journal of Neuroscience, 2002, 16, 1507-1516.	1.2	48
151	Antibody Against a Putative Ligand-Binding Site Reveals Delta2 Glutamate Receptor Function. Annals of the New York Academy of Sciences, 2002, 978, 519-519.	1.8	0
152	Purification of Purkinje cells by fluorescence-activated cell sorting from transgenic mice that express green fluorescent protein. European Journal of Neuroscience, 2001, 14, 57-63.	1.2	78
153	Characterization of the apoptosis-associated tyrosine kinase (AATYK) expressed in the CNS. Oncogene, 2001, 20, 1022-1032.	2.6	35
154	Mutation of a glutamate receptor motif reveals its role in gating and Î´2 receptor channel properties. Nature Neuroscience, 2000, 3, 315-322.	7.1	199
155	Characterization of l-Homocysteateâ€"Induced Currents in Purkinje Cells From Wild-Type and NMDA Receptor Knockout Mice. Journal of Neurophysiology, 1999, 82, 2820-2826.	0.9	17
156	Neuronal Interleukin-16 (NIL-16): A Dual Function PDZ Domain Protein. Journal of Neuroscience, 1999, 19, 7770-7780.	1.7	84
157	Selective Activation of Calcium Permeability by Aspartate in Purkinje Cells. Science, 1996, 273, 1112-1114.	6.0	36
158	Functional NMDA Receptors Are Transiently Active and Support the Survival of Purkinje Cells in Culture. Journal of Neuroscience, 1996, 16, 4651-4661.	1.7	51
159	An Additional Form of Rat Bcl-x, Bcl-xÎ², Generated by an Unspliced RNA, Promotes Apoptosis in Promyeloid Cells. Journal of Biological Chemistry, 1996, 271, 13258-13265.	1.6	70
160	Targeted disruption of NMDA receptor 1 gene abolishes NMDA response and results in neonatal death. Neuron, 1994, 13, 325-338.	3.8	457
161	Cerebellar Astrocytes Specifically Support the Survival of Purkinje Cells in Culture. Biochemical and Biophysical Research Communications, 1993, 197, 123-129.	1.0	13
162	Characterization of Metabotropic Glutamate Receptors in Cultured Purkinje Cells. Annals of the New York Academy of Sciences, 1993, 707, 505-508.	1.8	0

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163	Block of Ca2+ wave and Ca2+ oscillation by antibody to the inositol 1,4,5-trisphosphate receptor in fertilized hamster eggs. Science, 1992, 257, 251-255.	6.0	510
164	Antibody to the inositol trisphosphate receptor blocks thimerosalenhanced Ca2+-induced Ca2+release and Ca2+oscillations in hamster eggs. FEBS Letters, 1992, 309, 180-184.	1.3	87
165	Pharmacological and immunocytochemical characterization of metabotropic glutamate receptors in cultured Purkinje cells. Journal of Neuroscience, 1992, 12, 4253-4263.	1.7	120
166	Molecular cloning and characterization of the inositol 1,4,5-trisphosphate receptor in Drosophila melanogaster. Journal of Biological Chemistry, 1992, 267, 16613-9.	1.6	128
167	MK-801 blocked the functional NMDA receptors in identified cerebellar neurons. Neuroscience Letters, 1990, 119, 19-22.	1.0	7
168	Mode of blockade by MK-801 of N-methyl-d-aspartate-induced increase in intracellular Ca2+ in cultured mouse hippocampal neurons. Brain Research, 1990, 517, 51-56.	1.1	32
169	Multiple deletions in mitochondrial DNA at direct repeats of non-D-loop regions in cases of familial mitochondrial myopathy. Biochemical and Biophysical Research Communications, 1989, 164, 1352-1357.	1.0	91
170	Autoradiographic visualization of a calcium channel antagonist, [125I]Ï‰-conotoxin GVIA, binding site in the brains of normal and cerebellar mutant mice (pcd andweaver). Brain Research, 1989, 489, 21-30.	1.1	24
171	Cation permeability change caused by l-glutamate in cultured rat hippocampal neurons. Brain Research, 1988, 443, 85-94.	1.1	20
172	Patch-clamp studies of chloride channels activated by gamma-aminobutyric acid in cultured hippocampal neurones of the rat. Neuroscience Research, 1984, 1, 275-293.	1.0	42