

Masanobu Kano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

20,855
citations

81
h-index

140
g-index

287
ext. papers

23,030
ext. citations

8.6
avg. IF

6.62
L-index

#	Paper	IF	Citations
238	Synaptogenesis and Synapse Elimination 2022 , 309-332		
237	A Flp-dependent G-CaMP9a transgenic mouse for neuronal imaging .. <i>Cell Reports Methods</i> , 2022 , 2, 100168		0
236	Endocannabinoid-Mediated Control of Neural Circuit Excitability and Epileptic Seizures.. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 781113	3.5	1
235	mGluR1 Is a Molecular Hub For Synapse Elimination in the Developing Cerebellum. <i>Contemporary Clinical Neuroscience</i> , 2021 , 77-89	0.1	
234	Combining electrophysiology and optogenetics for functional screening of pyramidal neurons in the mouse prefrontal cortex. <i>STAR Protocols</i> , 2021 , 2, 100469	1.4	
233	An Autism-Associated Neuroligin-3 Mutation Affects Developmental Synapse Elimination in the Cerebellum. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 676891	3.5	1
232	Phospholipase C β is Required for Climbing Fiber Synapse Elimination in Aldolase C-positive Compartments of the Developing Mouse Cerebellum. <i>Neuroscience</i> , 2021 , 462, 36-43	3.9	2
231	Calcium imaging of adult-born neurons in freely moving mice. <i>STAR Protocols</i> , 2021 , 2, 100238	1.4	3
230	mGluR1 signaling in cerebellar Purkinje cells: Subcellular organization and involvement in cerebellar function and disease. <i>Neuropharmacology</i> , 2021 , 194, 108629	5.5	1
229	Carbon powder-filled microelectrode: An easy-to-fabricate probe for cellular electrochemistry. <i>Analytical Biochemistry</i> , 2021 , 629, 114316	3.1	0
228	Combined glyoxalase 1 dysfunction and vitamin B6 deficiency in a schizophrenia model system causes mitochondrial dysfunction in the prefrontal cortex. <i>Redox Biology</i> , 2021 , 45, 102057	11.3	5
227	genome editing in single mammalian brain neurons through CRISPR-Cas9 and cytosine base editors. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 2477-2485	6.8	
226	AUTS2 Governs Cerebellar Development, Purkinje Cell Maturation, Motor Function and Social Communication. <i>iScience</i> , 2020 , 23, 101820	6.1	9
225	A test potential booster for fast-scan cyclic voltammetry with an electrophysiological amplifier. <i>Analytical Biochemistry</i> , 2020 , 610, 113934	3.1	1
224	A recurrent PJA1 variant in trigonocephaly and neurodevelopmental disorders. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 1117-1131	5.3	5
223	Sparse Activity of Hippocampal Adult-Born Neurons during REM Sleep Is Necessary for Memory Consolidation. <i>Neuron</i> , 2020 , 107, 552-565.e10	13.9	35
222	A Glial-Neuronal Circuit in the Median Eminence Regulates Thyrotropin-Releasing Hormone-Release via the Endocannabinoid System. <i>iScience</i> , 2020 , 23, 100921	6.1	10

221	Comprehensive analysis of a novel mouse model of the 22q11.2 deletion syndrome: a model with the most common 3.0-Mb deletion at the human 22q11.2 locus. <i>Translational Psychiatry</i> , 2020 , 10, 35	8.6	14
220	G Protein-Coupled Glutamate and GABA Receptors Form Complexes and Mutually Modulate Their Signals. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 567-578	5.7	4
219	Cerebellar circuits 2020 , 79-102		
218	Autism spectrum disorder-like behavior caused by reduced excitatory synaptic transmission in pyramidal neurons of mouse prefrontal cortex. <i>Nature Communications</i> , 2020 , 11, 5140	17.4	23
217	Tonic GABAergic Inhibition Is Essential for Nerve Injury-Induced Afferent Remodeling in the Somatosensory Thalamus and Ectopic Sensations. <i>Cell Reports</i> , 2020 , 31, 107797	10.6	2
216	Setd1a Insufficiency in Mice Attenuates Excitatory Synaptic Function and Recapitulates Schizophrenia-Related Behavioral Abnormalities. <i>Cell Reports</i> , 2020 , 32, 108126	10.6	13
215	Improved hyperacuity estimation of spike timing from calcium imaging. <i>Scientific Reports</i> , 2020 , 10, 178449	4.9	6
214	Traceable stimulus-dependent rapid molecular changes in dendritic spines in the brain. <i>Scientific Reports</i> , 2020 , 10, 15266	4.9	0
213	Rational Engineering of XCaMPs, a Multicolor GECI Suite for InVivo Imaging of Complex Brain Circuit Dynamics. <i>Cell</i> , 2019 , 177, 1346-1360.e24	56.2	111
212	mGluR1 in cerebellar Purkinje cells is essential for the formation but not expression of associative eyeblink memory. <i>Scientific Reports</i> , 2019 , 9, 7353	4.9	4
211	Monoacylglycerol lipase blockade impairs fine motor coordination and triggers cerebellar neuroinflammation through cyclooxygenase-2. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 399-409	16.6	7
210	Endocannabinoid Signaling from 2-Arachidonoylglycerol to CB Cannabinoid Receptor Facilitates Reward-based Learning of Motor Sequence. <i>Neuroscience</i> , 2019 , 421, 1-16	3.9	3
209	Developmental synapse remodeling in the cerebellum and visual thalamus. <i>F1000Research</i> , 2019 , 8,	3.6	15
208	Modular organization of cerebellar climbing fiber inputs during goal-directed behavior. <i>ELife</i> , 2019 , 8,	8.9	22
207	Synaptogenesis and Synapse Elimination 2019 , 1-24		
206	Hyperactivation of mTORC1 disrupts cellular homeostasis in cerebellar Purkinje cells. <i>Scientific Reports</i> , 2019 , 9, 2799	4.9	8
205	Monoacylglycerol lipase deficiency affects diet-induced obesity, fat absorption, and feeding behavior in CB cannabinoid receptor-deficient mice. <i>FASEB Journal</i> , 2019 , 33, 2484-2497	0.9	13
204	Retrograde Signaling from Progranulin to Sort1 Counteracts Synapse Elimination in the Developing Cerebellum. <i>Neuron</i> , 2018 , 97, 796-805.e5	13.9	20

203	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics. <i>Science</i> , 2018 , 359, 679-684	33.3	564
202	A mutant HCN4 channel in a family with bradycardia, left bundle branch block, and left ventricular noncompaction. <i>Heart and Vessels</i> , 2018 , 33, 802-819	2.1	11
201	Type 1 metabotropic glutamate receptor and its signaling molecules as therapeutic targets for the treatment of cerebellar disorders. <i>Current Opinion in Pharmacology</i> , 2018 , 38, 51-58	5.1	8
200	Presynaptic Mechanisms Mediating Retrograde Semaphorin Signals for Climbing Fiber Synapse Elimination During Postnatal Cerebellar Development. <i>Cerebellum</i> , 2018 , 17, 17-22	4.3	11
199	Multiple Phases of Climbing Fiber Synapse Elimination in the Developing Cerebellum. <i>Cerebellum</i> , 2018 , 17, 722-734	4.3	39
198	Control of excessive neural circuit excitability and prevention of epileptic seizures by endocannabinoid signaling. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 2793-2811	10.3	15
197	Ectopic positioning of Bergmann glia and impaired cerebellar wiring in Mlc1-over-expressing mice. <i>Journal of Neurochemistry</i> , 2018 , 147, 344-360	6	2
196	Supramammillary Nucleus Afferents to the Dentate Gyrus Co-release Glutamate and GABA and Potentiate Granule Cell Output. <i>Cell Reports</i> , 2018 , 25, 2704-2715.e4	10.6	28
195	Alternative splicing in the C-terminal tail of Cav2.1 is essential for preventing a neurological disease in mice. <i>Human Molecular Genetics</i> , 2017 , 26, 3094-3104	5.6	6
194	Retrograde BDNF to TrkB signaling promotes synapse elimination in the developing cerebellum. <i>Nature Communications</i> , 2017 , 8, 195	17.4	66
193	Glutamate transporter GLAST controls synaptic wrapping by Bergmann glia and ensures proper wiring of Purkinje cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7438-7443	11.5	34
192	Serotonin rebalances cortical tuning and behavior linked to autism symptoms in 15q11-13 CNV mice. <i>Science Advances</i> , 2017 , 3, e1603001	14.3	44
191	Maturation of Cerebellar Purkinje Cell Population Activity during Postnatal Refinement of Climbing Fiber Network. <i>Cell Reports</i> , 2017 , 21, 2066-2073	10.6	19
190	Type-1 metabotropic glutamate receptor signaling in cerebellar Purkinje cells in health and disease. <i>F1000Research</i> , 2017 , 6, 416	3.6	20
189	The Metabotropic Glutamate Receptor Subtype 1 Mediates Experience-Dependent Maintenance of Mature Synaptic Connectivity in the Visual Thalamus. <i>Neuron</i> , 2016 , 91, 1097-1109	13.9	16
188	Crucial Roles of the Endocannabinoid 2-Arachidonoylglycerol in the Suppression of Epileptic Seizures. <i>Cell Reports</i> , 2016 , 16, 1405-1415	10.6	42
187	Contribution of postsynaptic T-type calcium channels to parallel fibre-Purkinje cell synaptic responses. <i>Journal of Physiology</i> , 2016 , 594, 915-36	3.9	12
186	Emerging roles of ARHGAP33 in intracellular trafficking of TrkB and pathophysiology of neuropsychiatric disorders. <i>Nature Communications</i> , 2016 , 7, 10594	17.4	24

185	SCN5A(K817E), a novel Brugada syndrome-associated mutation that alters the activation gating of NaV1.5 channel. <i>Heart Rhythm</i> , 2016 , 13, 1113-1120	6.7	5
184	Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2282-7	11.5	46
183	Consensus Paper: Cerebellar Development. <i>Cerebellum</i> , 2016 , 15, 789-828	4.3	216
182	Spatiotemporal dynamics of lesion-induced axonal sprouting and its relation to functional architecture of the cerebellum. <i>Nature Communications</i> , 2016 , 7, 12938	17.4	5
181	Conditional Knockout of Cav2.1 Disrupts the Accuracy of Spatial Recognition of CA1 Place Cells and Spatial/Contextual Recognition Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 214	3.5	6
180	Synaptogenesis and Synapse Elimination in Developing Cerebellum 2016 , 161-165		
179	Transsynaptic Modulation of Kainate Receptor Functions by C1q-like Proteins. <i>Neuron</i> , 2016 , 90, 752-67	13.9	95
178	Ionic Basis for Membrane Potential Resonance in Neurons of the Inferior Olive. <i>Cell Reports</i> , 2016 , 16, 994-1004	10.6	24
177	LTD-like molecular pathways in developmental synaptic pruning. <i>Nature Neuroscience</i> , 2016 , 19, 1299-3105	5.5	60
176	Structure-function relationships between aldolase C/zebrin II expression and complex spike synchrony in the cerebellum. <i>Journal of Neuroscience</i> , 2015 , 35, 843-52	6.6	46
175	Weeding out bad waves: towards selective cannabinoid circuit control in epilepsy. <i>Nature Reviews Neuroscience</i> , 2015 , 16, 264-77	13.5	101
174	Genetic inactivation and prolonged pharmacologic inhibition of monoacylglycerol lipase have opposite effects on anesthetic sensitivity to propofol. <i>European Journal of Pharmacology</i> , 2015 , 765, 268-73	5.3	
173	Rational design of a high-affinity, fast, red calcium indicator R-CaMP2. <i>Nature Methods</i> , 2015 , 12, 64-70	21.6	179
172	The Susceptibilities of Human Ether- α -Go-Go-Related Gene Channel with the G487R Mutation to Arrhythmogenic Factors. <i>Biological and Pharmaceutical Bulletin</i> , 2015 , 38, 781-4	2.3	1
171	Association of low back pain and fat content of paraspinal muscle using MR spectroscopy. <i>Pain Research</i> , 2015 , 30, 230-237	0	
170	Task-specific enhancement of hippocampus-dependent learning in mice deficient in monoacylglycerol lipase, the major hydrolyzing enzyme of the endocannabinoid 2-arachidonoylglycerol. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 134	3.5	23
169	Fever Is Mediated by Conversion of Endocannabinoid 2-Arachidonoylglycerol to Prostaglandin E2. <i>PLoS ONE</i> , 2015 , 10, e0133663	3.7	23
168	Retrograde signaling for climbing fiber synapse elimination. <i>Cerebellum</i> , 2015 , 14, 4-7	4.3	7

167	Astroglial glutamate transporter deficiency increases synaptic excitability and leads to pathological repetitive behaviors in mice. <i>Neuropsychopharmacology</i> , 2015 , 40, 1569-79	8.7	89
166	Implicit Memory in Monkeys: Development of a Delay Eyeblink Conditioning System with Parallel Electromyographic and High-Speed Video Measurements. <i>PLoS ONE</i> , 2015 , 10, e0129828	3.7	3
165	Endocannabinoid-mediated retrograde modulation of synaptic transmission. <i>Current Opinion in Neurobiology</i> , 2014 , 29, 1-8	7.6	151
164	The synaptic targeting of mGluR1 by its carboxyl-terminal domain is crucial for cerebellar function. <i>Journal of Neuroscience</i> , 2014 , 34, 2702-12	6.6	56
163	Retrograde semaphorin signaling regulates synapse elimination in the developing mouse brain. <i>Science</i> , 2014 , 344, 1020-3	33.3	91
162	Global scaling down of excitatory postsynaptic responses in cerebellar Purkinje cells impairs developmental synapse elimination. <i>Cell Reports</i> , 2014 , 8, 1119-29	10.6	16
161	A highly sensitive fluorescent indicator dye for calcium imaging of neural activity in vitro and in vivo. <i>European Journal of Neuroscience</i> , 2014 , 39, 1720-8	3.5	82
160	Selective activation of mTORC1 signaling recapitulates microcephaly, tuberous sclerosis, and neurodegenerative diseases. <i>Cell Reports</i> , 2014 , 7, 1626-1639	10.6	57
159	Augmented tonic pain-related behavior in knockout mice lacking monoacylglycerol lipase, a major degrading enzyme for the endocannabinoid 2-arachidonoylglycerol. <i>Behavioural Brain Research</i> , 2014 , 271, 51-8	3.4	13
158	Activity-dependent gating of calcium spikes by A-type K ⁺ channels controls climbing fiber signaling in Purkinje cell dendrites. <i>Neuron</i> , 2014 , 84, 137-151	13.9	43
157	Heterogeneous presynaptic distribution of monoacylglycerol lipase, a multipotent regulator of nociceptive circuits in the mouse spinal cord. <i>European Journal of Neuroscience</i> , 2014 , 39, 419-34	3.5	13
156	Cerebellar plasticity and motor learning deficits in a copy-number variation mouse model of autism. <i>Nature Communications</i> , 2014 , 5, 5586	17.4	107
155	Control of synaptic function by endocannabinoid-mediated retrograde signaling. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2014 , 90, 235-50	4	78
154	Synapse elimination in the developing cerebellum. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 4667-80	10.3	99
153	Functional labeling of neurons and their projections using the synthetic activity-dependent promoter E-SARE. <i>Nature Methods</i> , 2013 , 10, 889-95	21.6	104
152	Protocadherin 17 regulates presynaptic assembly in topographic corticobasal Ganglia circuits. <i>Neuron</i> , 2013 , 78, 839-54	13.9	52
151	Dendritic calcium signaling in cerebellar Purkinje cell. <i>Neural Networks</i> , 2013 , 47, 11-7	9.1	27
150	Calcium-dependent regulation of climbing fibre synapse elimination during postnatal cerebellar development. <i>Journal of Physiology</i> , 2013 , 591, 3151-8	3.9	13

149	Spatiotemporal dynamics of functional clusters of neurons in the mouse motor cortex during a voluntary movement. <i>Journal of Neuroscience</i> , 2013 , 33, 1377-90	6.6	60
148	The endocannabinoid 2-arachidonoylglycerol negatively regulates habituation by suppressing excitatory recurrent network activity and reducing long-term potentiation in the dentate gyrus. <i>Journal of Neuroscience</i> , 2013 , 33, 3588-601	6.6	15
147	Arc/Arg3.1 is a postsynaptic mediator of activity-dependent synapse elimination in the developing cerebellum. <i>Neuron</i> , 2013 , 78, 1024-35	13.9	82
146	Spike timing-dependent selective strengthening of single climbing fibre inputs to Purkinje cells during cerebellar development. <i>Nature Communications</i> , 2013 , 4, 2732	17.4	32
145	Functional cooperation of metabotropic adenosine and glutamate receptors regulates postsynaptic plasticity in the cerebellum. <i>Journal of Neuroscience</i> , 2013 , 33, 18661-71	6.6	19
144	Acute inhibition of diacylglycerol lipase blocks endocannabinoid-mediated retrograde signalling: evidence for on-demand biosynthesis of 2-arachidonoylglycerol. <i>Journal of Physiology</i> , 2013 , 591, 4765-76 ⁹	7.6	41
143	Diacylglycerol lipase \uparrow manipulation reveals developmental roles for intercellular endocannabinoid signaling. <i>Scientific Reports</i> , 2013 , 3, 2093	4.9	19
142	Disruption of cerebellar microzonal organization in GluD2 (GluR δ) knockout mouse. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 130	3.5	15
141	Synaptogenesis and Synapse Elimination 2013 , 281-299		1
140	GABAergic inhibition regulates developmental synapse elimination in the cerebellum. <i>Neuron</i> , 2012 , 74, 384-96	13.9	85
139	Endocannabinoids and retrograde modulation of synaptic transmission. <i>Neuroscientist</i> , 2012 , 18, 119-32	7.6	70
138	The p250GAP gene is associated with risk for schizophrenia and schizotypal personality traits. <i>PLoS ONE</i> , 2012 , 7, e35696	3.7	17
137	Locally synchronized synaptic inputs. <i>Science</i> , 2012 , 335, 353-6	33.3	219
136	Activity-dependent maturation of climbing fiber to Purkinje cell synapses during postnatal cerebellar development. <i>Cerebellum</i> , 2012 , 11, 449-50	4.3	23
135	Organotypic coculture preparation for the study of developmental synapse elimination in mammalian brain. <i>Journal of Neuroscience</i> , 2012 , 32, 11657-70	6.6	21
134	Cav2.1 in cerebellar Purkinje cells regulates competitive excitatory synaptic wiring, cell survival, and cerebellar biochemical compartmentalization. <i>Journal of Neuroscience</i> , 2012 , 32, 1311-28	6.6	62
133	Synapse type-independent degradation of the endocannabinoid 2-arachidonoylglycerol after retrograde synaptic suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12195-200	11.5	43
132	Neuronal protease-activated receptor 1 drives synaptic retrograde signaling mediated by the endocannabinoid 2-arachidonoylglycerol. <i>Journal of Neuroscience</i> , 2011 , 31, 3104-9	6.6	21

131	Complementary synaptic distribution of enzymes responsible for synthesis and inactivation of the endocannabinoid 2-arachidonoylglycerol in the human hippocampus. <i>Neuroscience</i> , 2011 , 174, 50-63	3.9	50
130	Climbing fiber synapse elimination in cerebellar Purkinje cells. <i>European Journal of Neuroscience</i> , 2011 , 34, 1697-710	3.5	116
129	In vivo two-photon uncaging of glutamate revealing the structure-function relationships of dendritic spines in the neocortex of adult mice. <i>Journal of Physiology</i> , 2011 , 589, 2447-57	3.9	122
128	Molecular and morphological configuration for 2-arachidonoylglycerol-mediated retrograde signaling at mossy cell-granule cell synapses in the dentate gyrus. <i>Journal of Neuroscience</i> , 2011 , 31, 7700-14	6.6	68
127	Postsynaptic P/Q-type Ca ²⁺ channel in Purkinje cell mediates synaptic competition and elimination in developing cerebellum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9987-92	11.5	92
126	Unique inhibitory synapse with particularly rich endocannabinoid signaling machinery on pyramidal neurons in basal amygdaloid nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3059-64	11.5	91
125	A role for myosin Va in cerebellar plasticity and motor learning: a possible mechanism underlying neurological disorder in myosin Va disease. <i>Journal of Neuroscience</i> , 2011 , 31, 6067-78	6.6	29
124	Developmental switching of perisomatic innervation from climbing fibers to basket cell fibers in cerebellar Purkinje cells. <i>Journal of Neuroscience</i> , 2011 , 31, 16916-27	6.6	45
123	TARPs gamma-2 and gamma-7 are essential for AMPA receptor expression in the cerebellum. <i>European Journal of Neuroscience</i> , 2010 , 31, 2204-20	3.5	67
122	Role of pre- and postsynaptic activity in thalamocortical axon branching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7562-7	11.5	42
121	GABAB receptor-mediated modulation of metabotropic glutamate signaling and synaptic plasticity in central neurons. <i>Advances in Pharmacology</i> , 2010 , 58, 149-73	5.7	15
120	A new multiple-drug applicator with minimal drug cross-talk, leakage, and consumption. <i>Neuroscience Research</i> , 2010 , 66, 412-4	2.9	
119	The endocannabinoid 2-arachidonoylglycerol produced by diacylglycerol lipase alpha mediates retrograde suppression of synaptic transmission. <i>Neuron</i> , 2010 , 65, 320-7	13.9	352
118	Functional coupling between mGluR1 and Cav3.1 T-type calcium channels contributes to parallel fiber-induced fast calcium signaling within Purkinje cell dendritic spines. <i>Journal of Neuroscience</i> , 2009 , 29, 9668-82	6.6	75
117	Severe neurological phenotypes of Q129 DRPLA transgenic mice serendipitously created by en masse expansion of CAG repeats in Q76 DRPLA mice. <i>Human Molecular Genetics</i> , 2009 , 18, 723-36	5.6	37
116	Angiotensin receptor blocker prevented beta-amyloid-induced cognitive impairment associated with recovery of neurovascular coupling. <i>Hypertension</i> , 2009 , 54, 1345-52	8.5	125
115	Synapse elimination in the central nervous system. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 154-61	7.6	151
114	Validation of Abeta1-40 administration into mouse cerebroventricles as an animal model for Alzheimer disease. <i>Brain Research</i> , 2009 , 1280, 137-47	3.7	48

113	Involvement of NMDAR2A tyrosine phosphorylation in depression-related behaviour. <i>EMBO Journal</i> , 2009 , 28, 3717-29	13	73
112	Translocation of a "winner" climbing fiber to the Purkinje cell dendrite and subsequent elimination of "losers" from the soma in developing cerebellum. <i>Neuron</i> , 2009 , 63, 106-18	13.9	141
111	Not glutamate but endocannabinoids mediate retrograde suppression of cerebellar parallel fiber to Purkinje cell synaptic transmission in young adult rodents. <i>Neuropharmacology</i> , 2009 , 57, 157-63	5.5	19
110	Influence of parallel fiber-Purkinje cell synapse formation on postnatal development of climbing fiber-Purkinje cell synapses in the cerebellum. <i>Neuroscience</i> , 2009 , 162, 601-11	3.9	80
109	Endocannabinoid-mediated control of synaptic transmission. <i>Physiological Reviews</i> , 2009 , 89, 309-80	47.9	1039
108	Targeted patch-clamp recordings and single-cell electroporation of unlabeled neurons in vivo. <i>Nature Methods</i> , 2008 , 5, 61-7	21.6	273
107	Pharmacological evidence for the involvement of diacylglycerol lipase in depolarization-induced endocannabinoid release. <i>Neuropharmacology</i> , 2008 , 54, 58-67	5.5	77
106	Type-1 metabotropic glutamate receptor in cerebellar Purkinje cells: a key molecule responsible for long-term depression, endocannabinoid signalling and synapse elimination. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 2173-86	5.8	88
105	Endocannabinoids and synaptic function in the CNS. <i>Neuroscientist</i> , 2007 , 13, 127-37	7.6	141
104	Diminished climbing fiber innervation of Purkinje cells in the cerebellum of myosin Va mutant mice and rats. <i>Developmental Neurobiology</i> , 2007 , 67, 909-23	3.2	36
103	G protein-independent neuromodulatory action of adenosine on metabotropic glutamate signalling in mouse cerebellar Purkinje cells. <i>Journal of Physiology</i> , 2007 , 581, 693-708	3.9	26
102	Roles of phospholipase Cbeta and NMDA receptor in activity-dependent endocannabinoid release. <i>Journal of Physiology</i> , 2007 , 584, 373-80	3.9	31
101	Endocannabinoid signalling triggered by NMDA receptor-mediated calcium entry into rat hippocampal neurons. <i>Journal of Physiology</i> , 2007 , 584, 407-18	3.9	49
100	Postsynaptic GABAB receptor signalling enhances LTD in mouse cerebellar Purkinje cells. <i>Journal of Physiology</i> , 2007 , 585, 549-63	3.9	44
99	Junctophilin-mediated channel crosstalk essential for cerebellar synaptic plasticity. <i>EMBO Journal</i> , 2007 , 26, 1924-33	13	49
98	Involvement of protein-tyrosine phosphatase PTPMEG in motor learning and cerebellar long-term depression. <i>European Journal of Neuroscience</i> , 2007 , 26, 2269-78	3.5	37
97	Ca(2+)-assisted receptor-driven endocannabinoid release: mechanisms that associate presynaptic and postsynaptic activities. <i>Current Opinion in Neurobiology</i> , 2007 , 17, 360-5	7.6	67
96	Tonic enhancement of endocannabinoid-mediated retrograde suppression of inhibition by cholinergic interneuron activity in the striatum. <i>Journal of Neuroscience</i> , 2007 , 27, 496-506	6.6	112

95	Presynaptic monoacylglycerol lipase activity determines basal endocannabinoid tone and terminates retrograde endocannabinoid signaling in the hippocampus. <i>Journal of Neuroscience</i> , 2007 , 27, 1211-9	6.6	152
94	Subcellular arrangement of molecules for 2-arachidonoyl-glycerol-mediated retrograde signaling and its physiological contribution to synaptic modulation in the striatum. <i>Journal of Neuroscience</i> , 2007 , 27, 3663-76	6.6	314
93	Conditioned eyeblink learning is formed and stored without cerebellar granule cell transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16690-5	11.5	51
92	Metabotropic glutamate receptor subtype-1 is essential for motor coordination in the adult cerebellum. <i>Neuroscience Research</i> , 2007 , 57, 538-43	2.9	29
91	Motor discoordination of transgenic mice overexpressing a microtubule destabilizer, stathmin, specifically in Purkinje cells. <i>Neuroscience Research</i> , 2007 , 59, 93-100	2.9	13
90	Miniature synaptic events elicited by presynaptic Ca ²⁺ rise are selectively suppressed by cannabinoid receptor activation in cerebellar Purkinje cells. <i>Journal of Neuroscience</i> , 2006 , 26, 86-95	6.6	56
89	The CB1 cannabinoid receptor is the major cannabinoid receptor at excitatory presynaptic sites in the hippocampus and cerebellum. <i>Journal of Neuroscience</i> , 2006 , 26, 2991-3001	6.6	362
88	Localization of diacylglycerol lipase-alpha around postsynaptic spine suggests close proximity between production site of an endocannabinoid, 2-arachidonoyl-glycerol, and presynaptic cannabinoid CB1 receptor. <i>Journal of Neuroscience</i> , 2006 , 26, 4740-51	6.6	281
87	Hippocampal CA3 NMDA receptors are crucial for adaptive timing of trace eyeblink conditioned response. <i>Journal of Neuroscience</i> , 2006 , 26, 1562-70	6.6	55
86	Endogenous cannabinoid signaling through the CB1 receptor is essential for cerebellum-dependent discrete motor learning. <i>Journal of Neuroscience</i> , 2006 , 26, 8829-37	6.6	104
85	Disturbance of cerebellar synaptic maturation in mutant mice lacking BSRPs, a novel brain-specific receptor-like protein family. <i>FEBS Letters</i> , 2006 , 580, 4057-64	3.8	58
84	Endocannabinoid-mediated short-term suppression of excitatory synaptic transmission to medium spiny neurons in the striatum. <i>Neuroscience Research</i> , 2006 , 54, 159-64	2.9	41
83	Abundant distribution of TARP gamma-8 in synaptic and extrasynaptic surface of hippocampal neurons and its major role in AMPA receptor expression on spines and dendrites. <i>European Journal of Neuroscience</i> , 2006 , 24, 2177-90	3.5	110
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