Wataru Kakegawa

List of Publications by Year
in descending order

22	2,040	430874	713466
papers	citations	18 h-index	21 g-index

25	25	25	2255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A synthetic synaptic organizer protein restores glutamatergic neuronal circuits. Science, 2020, 369, .	12.6	78
2	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.	2.5	1
3	PhotonSABER: new tool shedding light on endocytosis and learning mechanisms in vivo. Communicative and Integrative Biology, 2019, 12, 34-37.	1.4	0
4	Interneuronal NMDA receptors regulate longâ€term depression and motor learning in the cerebellum. Journal of Physiology, 2019, 597, 903-920.	2.9	31
5	Optogenetic Control of Synaptic AMPA Receptor Endocytosis Reveals Roles of LTD in Motor Learning. Neuron, 2018, 99, 985-998.e6.	8.1	71
6	Chemical labelling for visualizing native AMPA receptors in live neurons. Nature Communications, 2017, 8, 14850.	12.8	75
7	Transsynaptic Modulation of Kainate Receptor Functions by C1q-like Proteins. Neuron, 2016, 90, 752-767.	8.1	150
8	Structural basis for integration of GluD receptors within synaptic organizer complexes. Science, 2016, 353, 295-299.	12.6	128
9	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.	8.1	161
10	RORÂ Regulates Multiple Aspects of Dendrite Development in Cerebellar Purkinje Cells In Vivo. Journal of Neuroscience, 2015, 35, 12518-12534.	3.6	47
11	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.	2.5	15
12	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.	7.1	81
13	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.	2.8	21
14	D-Serine regulates cerebellar LTD and motor coordination through the Î´2 glutamate receptor. Nature Neuroscience, 2011, 14, 603-611.	14.8	158
15	Cbln1 Is a Ligand for an Orphan Glutamate Receptor Î´2, a Bidirectional Synapse Organizer. Science, 2010, 328, 363-368.	12.6	315
16	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.	3.6	83
17	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.	2.9	38
18	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.	2.9	60

#	Article	IF	Citations
19	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.	7.1	99
20	Functional NMDA receptor channels generated by NMDAR2B gene transfer in rat cerebellar Purkinje cells. European Journal of Neuroscience, 2003, 17, 887-891.	2.6	16
21	Glia-Synapse Interaction Through Ca2+-Permeable AMPA Receptors in Bergmann Glia. Science, 2001, 292, 926-929.	12.6	384
22	Sindbis viral-mediated expression of Ca2+-permeable AMPA receptors at hippocampal CA1 synapses and induction of NMDA receptor-independent long-term potentiation. European Journal of Neuroscience, 2001, 13, 1635-1643.	2.6	25