Kouichi Hashimoto

List of Publications by Year
in descending order

92	9,290	38742 50	51608 86
papers	citations	h-index	g-index

94	94	94	7889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-mobility group box 1-mediated hippocampal microglial activation induces cognitive impairment in mice with neuropathic pain. Experimental Neurology, 2022, 355, 114146.	4.1	14
2	Kv11 (etherâ€Ââ€goâ€goâ€related gene) voltageâ€dependent K⁺ channels promote resonance and oscillation of subthreshold membrane potentials. Journal of Physiology, 2021, 599, 547-569.	2.9	7
3	An Autism-Associated Neuroligin-3 Mutation Affects Developmental Synapse Elimination in the Cerebellum. Frontiers in Neural Circuits, 2021, 15, 676891.	2.8	11
4	Different cholinergic cell groups in the basal forebrain regulate social interaction and social recognition memory. Scientific Reports, 2021, 11, 13589.	3.3	11
5	Spike firing attenuation of serotonin neurons in learned helplessness rats is reversed by ketamine. Brain Communications, 2021, 3, fcab285.	3.3	2
6	Mechanisms for the resonant property in rodent neurons. Neuroscience Research, 2020, 156, 5-13.	1.9	4
7	Zonisamide can ameliorate the voltage-dependence alteration of the T-type calcium channel CaV3.1 caused by a mutation responsible for spinocerebellar ataxia. Molecular Brain, 2020, 13, 163.	2.6	3
8	Component of nicotine-induced intracellular calcium elevation mediated through Î±3- and Î±5-containing nicotinic acetylcholine receptors are regulated by cyclic AMP in SH-SY 5Y cells. PLoS ONE, 2020, 15, e0242349.	2.5	2
9	Title is missing!. , 2020, 15, e0242349.		0
10	Title is missing!. , 2020, 15, e0242349.		0
11	Title is missing!. , 2020, 15, e0242349.		0
12	Title is missing!. , 2020, 15, e0242349.		0
13	mGluR1 in cerebellar Purkinje cells is essential for the formation but not expression of associative eyeblink memory. Scientific Reports, 2019, 9, 7353.	3.3	10
14	Hyperactivation of mTORC1 disrupts cellular homeostasis in cerebellar Purkinje cells. Scientific Reports, 2019, 9, 2799.	3.3	15
15	Taskâ€dependent function of striatal cholinergic interneurons in behavioural flexibility. European Journal of Neuroscience, 2018, 47, 1174-1183.	2.6	18
16	Microglia permit climbing fiber elimination by promoting GABAergic inhibition in the developing cerebellum. Nature Communications, 2018, 9, 2830.	12.8	58
17	The anatomical pathway from the mesodiencephalic junction to the inferior olive relays perioral sensory signals to the cerebellum in the mouse. Journal of Physiology, 2018, 596, 3775-3791.	2.9	22
18	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.	7.1	54

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19	Serotonin rebalances cortical tuning and behavior linked to autism symptoms in 15q11-13 CNV mice. Science Advances, 2017, 3, e1603001.	10.3	64
20	Synaptogenesis and Synapse Elimination in Developing Cerebellum. , 2016, , 161-165.		0
21	Ionic Basis for Membrane Potential Resonance in Neurons of the Inferior Olive. Cell Reports, 2016, 16, 994-1004.	6.4	32
22	The Metabotropic Glutamate Receptor Subtype 1 Mediates Experience-Dependent Maintenance of Mature Synaptic Connectivity in the Visual Thalamus. Neuron, 2016, 91, 1097-1109.	8.1	30
23	CAPS1 RNA Editing Promotes Dense Core Vesicle Exocytosis. Cell Reports, 2016, 17, 2004-2014.	6.4	33
24	Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2282-2287.	7.1	66
25	A mutation in the low voltage-gated calcium channel CACNA1G alters the physiological properties of the channel, causing spinocerebellar ataxia. Molecular Brain, 2015, 8, 89.	2.6	80
26	A CDC42EP4/septin-based perisynaptic glial scaffold facilitates glutamate clearance. Nature Communications, 2015, 6, 10090.	12.8	21
27	Self-Organization of Polarized Cerebellar Tissue in 3D Culture of Human Pluripotent Stem Cells. Cell Reports, 2015, 10, 537-550.	6.4	531
28	Cerebellar plasticity and motor learning deficits in a copy-number variation mouse model of autism. Nature Communications, 2014, 5, 5586.	12.8	144
29	The Synaptic Targeting of mGluR1 by Its Carboxyl-Terminal Domain Is Crucial for Cerebellar Function. Journal of Neuroscience, 2014, 34, 2702-2712.	3.6	71
30	Global Scaling Down of Excitatory Postsynaptic Responses in Cerebellar Purkinje Cells Impairs Developmental Synapse Elimination. Cell Reports, 2014, 8, 1119-1129.	6.4	19
31	Synapse elimination in the developing cerebellum. Cellular and Molecular Life Sciences, 2013, 70, 4667-4680.	5.4	118
32	Calciumâ€dependent regulation of climbing fibre synapse elimination during postnatal cerebellar development. Journal of Physiology, 2013, 591, 3151-3158.	2.9	16
33	Autosomal recessive Andersen-Tawil syndrome with a novel mutation L94P in Kir2.1. Neurology and Clinical Neuroscience, 2013, 1, 131-137.	0.4	8
34	Spike timing-dependent selective strengthening of single climbing fibre inputs to Purkinje cells during cerebellar development. Nature Communications, 2013, 4, 2732.	12.8	35
35	Organotypic Coculture Preparation for the Study of Developmental Synapse Elimination in Mammalian Brain. Journal of Neuroscience, 2012, 32, 11657-11670.	3.6	26
36	Ca_v2.1 in Cerebellar Purkinje Cells Regulates Competitive Excitatory Synaptic Wiring, Cell Survival, and Cerebellar Biochemical Compartmentalization. Journal of Neuroscience, 2012, 32, 1311-1328.	3.6	74

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37	Synapse type-independent degradation of the endocannabinoid 2-arachidonoylglycerol after retrograde synaptic suppression. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12195-12200.	7.1	44
38	GABAergic Inhibition Regulates Developmental Synapse Elimination in the Cerebellum. Neuron, 2012, 74, 384-396.	8.1	90
39	Activity-Dependent Maturation of Climbing Fiber to Purkinje Cell Synapses during Postnatal Cerebellar Development. Cerebellum, 2012, 11, 449-450.	2.5	26
40	Postsynaptic P/Q-type Ca ²⁺ channel in Purkinje cell mediates synaptic competition and elimination in developing cerebellum. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9987-9992.	7.1	103
41	A Role for Myosin Va in Cerebellar Plasticity and Motor Learning: A Possible Mechanism Underlying Neurological Disorder in Myosin Va Disease. Journal of Neuroscience, 2011, 31, 6067-6078.	3.6	32
42	Developmental Switching of Perisomatic Innervation from Climbing Fibers to Basket Cell Fibers in Cerebellar Purkinje Cells. Journal of Neuroscience, 2011, 31, 16916-16927.	3.6	52
43	TARPs Î³â€2 and Î³â€7 are essential for AMPA receptor expression in the cerebellum. European Journal of Neuroscience, 2010, 31, 2204-2220.	2.6	76
44	The Endocannabinoid 2-Arachidonoylglycerol Produced by Diacylglycerol Lipase Î± Mediates Retrograde Suppression of Synaptic Transmission. Neuron, 2010, 65, 320-327.	8.1	407
45	Synapse elimination in the central nervous system. Current Opinion in Neurobiology, 2009, 19, 154-161.	4.2	161
46	Involvement of NMDAR2A tyrosine phosphorylation in depression-related behaviour. EMBO Journal, 2009, 28, 3717-3729.	7.8	86
47	Translocation of a â€œWinnerâ€•Climbing Fiber to the Purkinje Cell Dendrite and Subsequent Elimination of â€œLosersâ€•from the Soma in Developing Cerebellum. Neuron, 2009, 63, 106-118.	8.1	161
48	Not glutamate but endocannabinoids mediate retrograde suppression of cerebellar parallel fiber to Purkinje cell synaptic transmission in young adult rodents. Neuropharmacology, 2009, 57, 157-163.	4.1	19
49	Influence of parallel fiberâ€“Purkinje cell synapse formation on postnatal development of climbing fiberâ€“Purkinje cell synapses in the cerebellum. Neuroscience, 2009, 162, 601-611.	2.3	87
50	Type-1 metabotropic glutamate receptor in cerebellar Purkinje cells: a key molecule responsible for long-term depression, endocannabinoid signalling and synapse elimination. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2173-2186.	4.0	100
51	Tonic Enhancement of Endocannabinoid-Mediated Retrograde Suppression of Inhibition by Cholinergic Interneuron Activity in the Striatum. Journal of Neuroscience, 2007, 27, 496-506.	3.6	125
52	Motor discoordination of transgenic mice overexpressing a microtubule destabilizer, stathmin, specifically in Purkinje cells. Neuroscience Research, 2007, 59, 93-100.	1.9	13
53	Diminished climbing fiber innervation of Purkinje cells in the cerebellum of myosin Va mutant mice and rats. Developmental Neurobiology, 2007, 67, 909-923.	3.0	39
54	G protein-independent neuromodulatory action of adenosine on metabotropic glutamate signalling in mouse cerebellar Purkinje cells. Journal of Physiology, 2007, 581, 693-708.	2.9	27

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55	Junctophilin-mediated channel crosstalk essential for cerebellar synaptic plasticity. EMBO Journal, 2007, 26, 1924-1933.	7.8	57
56	Involvement of proteinâ€tyrosine phosphatase PTPMEG in motor learning and cerebellar longâ€term depression. European Journal of Neuroscience, 2007, 26, 2269-2278.	2.6	47
57	Disturbance of cerebellar synaptic maturation in mutant mice lacking BSRPs, a novel brain-specific receptor-like protein family. FEBS Letters, 2006, 580, 4057-4064.	2.8	69
58	Endocannabinoid-mediated short-term suppression of excitatory synaptic transmission to medium spiny neurons in the striatum. Neuroscience Research, 2006, 54, 159-164.	1.9	47
59	Depolarization-induced suppression of inhibition mediated by endocannabinoids at synapses from fast-spiking interneurons to medium spiny neurons in the striatum. European Journal of Neuroscience, 2006, 24, 2246-2252.	2.6	86
60	Miniature Synaptic Events Elicited by Presynaptic Ca2+ Rise Are Selectively Suppressed by Cannabinoid Receptor Activation in Cerebellar Purkinje Cells. Journal of Neuroscience, 2006, 26, 86-95.	3.6	64
61	Control of Synaptic Transmission in the CNS Through Endocannabinoid-Mediated Retrograde Signaling. , 2005, , 269-281.		0
62	Postnatal development and synapse elimination of climbing fiber to Purkinje cell projection in the cerebellum. Neuroscience Research, 2005, 53, 221-228.	1.9	102
63	ORP150/HSP12A Regulates Purkinje Cell Survival: A Role for Endoplasmic Reticulum Stress in Cerebellar Development. Journal of Neuroscience, 2004, 24, 1486-1496.	3.6	69
64	P/Q-Type Ca2+ Channel Â1A Regulates Synaptic Competition on Developing Cerebellar Purkinje Cells. Journal of Neuroscience, 2004, 24, 1734-1743.	3.6	134
65	Ca2+ activity at GABAB receptors constitutively promotes metabotropic glutamate signaling in the absence of GABA. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16952-16957.	7.1	104
66	Altered agonist sensitivity and desensitization of neuronal mGluR1 responses in knock-in mice by a single amino acid substitution at the PKC phosphorylation site. European Journal of Neuroscience, 2004, 20, 947-955.	2.6	11
67	Retrograde Modulation of Synaptic Transmission Mediated by Endogenous Cannabinoids. Current Neuropharmacology, 2004, 2, 49-57.	2.9	5
68	Impaired motor coordination in mice lacking neural recognition molecule NBâ€3 of the contactin/F3 subgroup. Journal of Neurobiology, 2003, 56, 252-265.	3.6	69
69	Functional Differentiation of Multiple Climbing Fiber Inputs during Synapse Elimination in the Developing Cerebellum. Neuron, 2003, 38, 785-796.	8.1	221
70	Motor Discoordination in Mutant Mice Lacking Junctophilin Type 3. Biochemical and Biophysical Research Communications, 2002, 292, 318-324.	2.1	68
71	A Long CAG Repeat in the Mouse Sca1 Locus Replicates SCA1 Features and Reveals the Impact of Protein Solubility on Selective Neurodegeneration. Neuron, 2002, 34, 905-919.	8.1	320
72	The Cannabinoid CB1 Receptor Mediates Retrograde Signals for Depolarization-Induced Suppression of Inhibition in Cerebellar Purkinje Cells. Journal of Neuroscience, 2002, 22, 1690-1697.	3.6	159

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73	Presynaptic Inhibition Caused by Retrograde Signal from Metabotropic Glutamate to Cannabinoid Receptors. Neuron, 2001, 31, 463-475.	8.1	496
74	PSD-93 Knock-Out Mice Reveal That Neuronal MAGUKs Are Not Required for Development or Function of Parallel Fiber Synapses in Cerebellum. Journal of Neuroscience, 2001, 21, 3085-3091.	3.6	101
75	Roles of Glutamate Receptor Î´2 Subunit (GluRÎ´2) and Metabotropic Glutamate Receptor Subtype 1 (mGluR1) in Climbing Fiber Synapse Elimination during Postnatal Cerebellar Development. Journal of Neuroscience, 2001, 21, 9701-9712.	3.6	152
76	Deficient long-term synaptic depression in the rostral cerebellum correlated with impaired motor learning in phospholipase C Î²4 mutant mice. European Journal of Neuroscience, 2001, 13, 1945-1954.	2.6	106
77	Roles of Phospholipase CÎ²4 in Synapse Elimination and Plasticity in Developing and Mature Cerebellum. Molecular Neurobiology, 2001, 23, 69-82.	4.0	40
78	Local Calcium Release in Dendritic Spines Required for Long-Term Synaptic Depression. Neuron, 2000, 28, 233-244.	8.1	233
79	mGluR1 in Cerebellar Purkinje Cells Essential for Long-Term Depression, Synapse Elimination, and Motor Coordination. Science, 2000, 288, 1832-1835.	12.6	396
80	Impairment of AMPA Receptor Function in Cerebellar Granule Cells of Ataxic Mutant MouseStargazer. Journal of Neuroscience, 1999, 19, 6027-6036.	3.6	245
81	Corticotropin-Releasing Factor Plays a Permissive Role in Cerebellar Long-Term Depression. Neuron, 1999, 22, 763-775.	8.1	122
82	Presynaptic origin of paired-pulse depression at climbing fibre-Purkinje cell synapses in the rat cerebellum. Journal of Physiology, 1998, 506, 391-405.	2.9	111
83	Motor discoordination and increased susceptibility to cerebellar injury in GLAST mutant mice. European Journal of Neuroscience, 1998, 10, 976-988.	2.6	369
84	Ablation of Cerebellar Golgi Cells Disrupts Synaptic Integration Involving GABA Inhibition and NMDA Receptor Activation in Motor Coordination. Cell, 1998, 95, 17-27.	28.9	210
85	Phospholipase CÂ4 is specifically involved in climbing fiber synapse elimination in the developing cerebellum. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15724-15729.	7.1	177
86	Persistent Multiple Climbing Fiber Innervationof Cerebellar Purkinje Cellsin Mice Lacking mGluR1. Neuron, 1997, 18, 71-79.	8.1	288
87	Impaired Parallel Fiberâ†'Purkinje Cell Synapse Stabilization during Cerebellar Development of Mutant Mice Lacking the Glutamate Receptor Î´2 Subunit. Journal of Neuroscience, 1997, 17, 9613-9623.	3.6	271
88	Impaired motor coordination and persistent multiple climbing fiber innervation of cerebellar Purkinje cells in mice lacking GÂq. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14089-14094.	7.1	252
89	Poster Session B. Keio Journal of Medicine, 1997, 46, A108-A119.	1.1	0
90	204 Pre-and post-synaptic mechanisms of paired pulse depression of climbing fiber to purkinje cell synapses in the cerebellum. Neuroscience Research, 1996, 25, S30.	1.9	1

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91	Impaired synapse elimination during cerebellar development in PKCÎ³ mutant mice. Cell, 1995, 83, 1223-1231.	28.9	426
92	Impaired motor coordination correlates with persistent multiple climbing fiber innervation in PKCÎ³ mutant mice. Cell, 1995, 83, 1233-1242.	28.9	410