Katsunori Kobayashi

List of Publications by Year
in descending order

41 papers	2,480 citations	257357 24 h-index	302012 39 g-index
46 all docs	46 docs citations	46 times ranked	2708 citing authors

#	Article	IF	Citations
1	Slitrk2 deficiency causes hyperactivity with altered vestibular function and serotonergic dysregulation. IScience, 2022, 25, 104604.	1.9	2
2	Augmentation of lenvatinib efficacy by topical treatment of miR-634 ointment in anaplastic thyroid cancer. Biochemistry and Biophysics Reports, 2021, 26, 101009.	0.7	1
3	Predominant Role of Serotonin at the Hippocampal Mossy Fiber Synapse with Redundant Monoaminergic Modulation. IScience, 2020, 23, 101025.	1.9	7
4	Improving the Efficacy of EGFR Inhibitors by Topical Treatment of Cutaneous Squamous Cell Carcinoma with miR-634 Ointment. Molecular Therapy - Oncolytics, 2020, 19, 294-307.	2.0	17
5	Silencing of PD-L2/B7-DC by Topical Application of Small Interfering RNA Inhibits Elicitation of Contact Hypersensitivity. Journal of Investigative Dermatology, 2019, 139, 2164-2173.e1.	0.3	9
6	Attenuated bidirectional short-term synaptic plasticity in the dentate gyrus of Schnurri-2 knockout mice, a model of schizophrenia. Molecular Brain, 2018, 11, 56.	1.3	6
7	Synapseâ€selective rapid potentiation of hippocampal synaptic transmission by 7,8â€dihydroxyflavone. Neuropsychopharmacology Reports, 2018, 38, 197-203.	1.1	6
8	Rapid and stable changes in maturation-related phenotypes of the adult hippocampal neurons by electroconvulsive treatment. Molecular Brain, 2017, 10, 8.	1.3	40
9	Rapid and lasting enhancement of dopaminergic modulation at the hippocampal mossy fiber synapse by electroconvulsive treatment. Journal of Neurophysiology, 2017, 117, 284-289.	0.9	18
10	Activity modifies adult brain maturity. Oncotarget, 2017, 8, 46708-46709.	0.8	2
11	Role of the 5-HT4 receptor in chronic fluoxetine treatment-induced neurogenic activity and granule cell dematuration in the dentate gyrus. Molecular Brain, 2015, 8, 29.	1.3	49
12	Enhanced stability of hippocampal place representation caused by reduced magnesium block of NMDA receptors in the dentate gyrus. Molecular Brain, 2014, 7, 44.	1.3	10
13	Targeted deletion of the C-terminus of the mouse adenomatous polyposis coli tumor suppressor results in neurologic phenotypes related to schizophrenia. Molecular Brain, 2014, 7, 21.	1.3	24
14	Antidepressant Action and Hippocampal Neuronal Plasticity. Nihon Ika Daigaku Igakkai Zasshi, 2014, 10, 6-12.	0.0	0
15	Synaptosomal-associated protein 25 mutation induces immaturity of the dentate granule cells of adult mice. Molecular Brain, 2013, 6, 12.	1.3	51
16	The immature dentate gyrus represents a shared phenotype of mouse models of epilepsy and psychiatric disease. Bipolar Disorders, 2013, 15, 405-421.	1.1	57
17	Deficiency of Schnurri-2, an MHC Enhancer Binding Protein, Induces Mild Chronic Inflammation in the Brain and Confers Molecular, Neuronal, and Behavioral Phenotypes Related to Schizophrenia. Neuropsychopharmacology, 2013, 38, 1409-1425.	2.8	143
18	Corticosterone Facilitates Fluoxetine-Induced Neuronal Plasticity in the Hippocampus. PLoS ONE, 2013, 8, e63662.	1.1	16

#	Article	IF	Citations
19	Chronic Fluoxetine Selectively Upregulates Dopamine D1-Like Receptors in the Hippocampus. Neuropsychopharmacology, 2012, 37, 1500-1508.	2.8	44
20	Impaired synaptic clustering of postsynaptic density proteins and altered signal transmission in hippocampal neurons, and disrupted learning behavior in PDZ1 and PDZ2 ligand binding-deficient PSD-95 knockin mice. Molecular Brain, 2012, 5, 43.	1.3	47
21	Behavioral destabilization induced by the selective serotonin reuptake inhibitor fluoxetine. Molecular Brain, 2011, 4, 12.	1.3	33
22	Correlated Alterations in Serotonergic and Dopaminergic Modulations at the Hippocampal Mossy Fiber Synapse in Mice Lacking Dysbindin. PLoS ONE, 2011, 6, e18113.	1.1	16
23	Reversal of hippocampal neuronal maturation by serotonergic antidepressants. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8434-8439.	3.3	187
24	Hippocampal Mossy Fiber Synaptic Transmission and Its Modulation. Vitamins and Hormones, 2010, 82, 65-85.	0.7	12
25	Targeting the Hippocampal Mossy Fiber Synapse for the Treatment of Psychiatric Disorders. Molecular Neurobiology, 2009, 39, 24-36.	1.9	63
26	Alpha-CaMKII deficiency causes immature dentate gyrus, a novel candidate endophenotype of psychiatric disorders. Molecular Brain, 2008, 1, 6.	1.3	261
27	Chronic Fluoxetine Bidirectionally Modulates Potentiating Effects of Serotonin on the Hippocampal Mossy Fiber Synaptic Transmission. Journal of Neuroscience, 2008, 28, 6272-6280.	1.7	61
28	1. Neuroscience Series From Hippocampal Synapse to Psychiatric Disorder(3). Nihon Ika Daigaku Igakkai Zasshi, 2008, 4, 111-114.	0.0	0
29	Dopamine selectively potentiates hippocampal mossy fiber to CA3 synaptic transmission. Neuropharmacology, 2007, 52, 552-561.	2.0	57
30	Locomotor activity correlates with modifications of hippocampal mossy fibre synaptic transmission. European Journal of Neuroscience, 2006, 24, 1867-1873.	1.2	27
31	Spike Train Timing-Dependent Associative Modification of Hippocampal CA3 Recurrent Synapses by Mossy Fibers. Neuron, 2004, 41, 445-454.	3.8	98
32	Developmental Decrease in Synaptic Facilitation at the Mouse Hippocampal Mossy Fibre Synapse. Journal of Physiology, 2003, 553, 37-48.	1.3	47
33	Platelet-activating factor receptor is not required for long-term potentiation in the hippocampal CA1 region. European Journal of Neuroscience, 1999, 11, 1313-1316.	1.2	37
34	Calcium-dependent mechanisms involved in presynaptic long-term depression at the hippocampal mossy fibre-CA3 synapse. European Journal of Neuroscience, 1999, 11, 1633-1638.	1.2	35
35	Doc2Î± is an activity-dependent modulator of excitatory synaptic transmission. European Journal of Neuroscience, 1999, 11, 4262-4268.	1.2	59
36	Functional coupling of the nociceptin/orphanin FQ receptor with the G-protein-activated K+ (GIRK) channel. Molecular Brain Research, 1997, 45, 117-126.	2.5	119

#	Article	IF	Citations
37	Impairment of Hippocampal Mossy Fiber LTD in Mice Lacking mGluR2. Science, 1996, 273, 645-647.	6.0	321
38	Presynaptic Long-Term Depression at the Hippocampal Mossy Fiber--CA3 Synapse. Science, 1996, 273, 648-650.	6.0	156
39	Synapsin I deficiency results in the structural change in the presynaptic terminals in the murine nervous system.. Journal of Cell Biology, 1995, 131, 1789-1800.	2.3	155
40	Dihydropyridine-Sensitive Calcium Current Mediates Neurotransmitter Release from Retinal Bipolar Cells. Annals of the New York Academy of Sciences, 1993, 707, 359-361.	1.8	11
41	Dihydropyridine-sensitive calcium current mediates neurotransmitter release from bipolar cells of the goldfish retina. Journal of Neuroscience, 1993, 13, 2898-2909.	1.7	176