

Katsunori Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,480
citations

257450

24
h-index

302126

39
g-index

46
all docs

46
docs citations

46
times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	Impairment of Hippocampal Mossy Fiber LTD in Mice Lacking mGluR2. <i>Science</i> , 1996, 273, 645-647.	12.6	321
2	Alpha-CaMKII deficiency causes immature dentate gyrus, a novel candidate endophenotype of psychiatric disorders. <i>Molecular Brain</i> , 2008, 1, 6.	2.6	261
3	Reversal of hippocampal neuronal maturation by serotonergic antidepressants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8434-8439.	7.1	187
4	Dihydropyridine-sensitive calcium current mediates neurotransmitter release from bipolar cells of the goldfish retina. <i>Journal of Neuroscience</i> , 1993, 13, 2898-2909.	3.6	176
5	Presynaptic Long-Term Depression at the Hippocampal Mossy Fiber-CA3 Synapse. <i>Science</i> , 1996, 273, 648-650.	12.6	156
6	Synapsin I deficiency results in the structural change in the presynaptic terminals in the murine nervous system. <i>Journal of Cell Biology</i> , 1995, 131, 1789-1800.	5.2	155
7	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. <i>Neuropsychopharmacology</i> , 2013, 38, 1409-1425.	5.4	143
8	Functional coupling of the nociceptin/orphanin FQ receptor with the G-protein-activated K ⁺ (GIRK) channel. <i>Molecular Brain Research</i> , 1997, 45, 117-126.	2.3	119
9	Spike Train Timing-Dependent Associative Modification of Hippocampal CA3 Recurrent Synapses by Mossy Fibers. <i>Neuron</i> , 2004, 41, 445-454.	8.1	98
10	Targeting the Hippocampal Mossy Fiber Synapse for the Treatment of Psychiatric Disorders. <i>Molecular Neurobiology</i> , 2009, 39, 24-36.	4.0	63
11	Chronic Fluoxetine Bidirectionally Modulates Potentiating Effects of Serotonin on the Hippocampal Mossy Fiber Synaptic Transmission. <i>Journal of Neuroscience</i> , 2008, 28, 6272-6280.	3.6	61
12	Doc2 β is an activity-dependent modulator of excitatory synaptic transmission. <i>European Journal of Neuroscience</i> , 1999, 11, 4262-4268.	2.6	59
13	Dopamine selectively potentiates hippocampal mossy fiber to CA3 synaptic transmission. <i>Neuropharmacology</i> , 2007, 52, 552-561.	4.1	57
14	The immature dentate gyrus represents a shared phenotype of mouse models of epilepsy and psychiatric disease. <i>Bipolar Disorders</i> , 2013, 15, 405-421.	1.9	57
15	Synaptosomal-associated protein 25 mutation induces immaturity of the dentate granule cells of adult mice. <i>Molecular Brain</i> , 2013, 6, 12.	2.6	51
16	Role of the 5-HT ₄ receptor in chronic fluoxetine treatment-induced neurogenic activity and granule cell dematuration in the dentate gyrus. <i>Molecular Brain</i> , 2015, 8, 29.	2.6	49
17	Developmental Decrease in Synaptic Facilitation at the Mouse Hippocampal Mossy Fibre Synapse. <i>Journal of Physiology</i> , 2003, 553, 37-48.	2.9	47
18	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. <i>Molecular Brain</i> , 2012, 5, 43.	2.6	47

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19	Chronic Fluoxetine Selectively Upregulates Dopamine D1-Like Receptors in the Hippocampus. <i>Neuropsychopharmacology</i> , 2012, 37, 1500-1508.	5.4	44
20	Rapid and stable changes in maturation-related phenotypes of the adult hippocampal neurons by electroconvulsive treatment. <i>Molecular Brain</i> , 2017, 10, 8.	2.6	40
21	Platelet-activating factor receptor is not required for long-term potentiation in the hippocampal CA1 region. <i>European Journal of Neuroscience</i> , 1999, 11, 1313-1316.	2.6	37
22	Calcium-dependent mechanisms involved in presynaptic long-term depression at the hippocampal mossy fibre-CA3 synapse. <i>European Journal of Neuroscience</i> , 1999, 11, 1633-1638.	2.6	35
23	Behavioral destabilization induced by the selective serotonin reuptake inhibitor fluoxetine. <i>Molecular Brain</i> , 2011, 4, 12.	2.6	33
24	Locomotor activity correlates with modifications of hippocampal mossy fibre synaptic transmission. <i>European Journal of Neuroscience</i> , 2006, 24, 1867-1873.	2.6	27
25	Targeted deletion of the C-terminus of the mouse adenomatous polyposis coli tumor suppressor results in neurologic phenotypes related to schizophrenia. <i>Molecular Brain</i> , 2014, 7, 21.	2.6	24
26	Rapid and lasting enhancement of dopaminergic modulation at the hippocampal mossy fiber synapse by electroconvulsive treatment. <i>Journal of Neurophysiology</i> , 2017, 117, 284-289.	1.8	18
27	Improving the Efficacy of EGFR Inhibitors by Topical Treatment of Cutaneous Squamous Cell Carcinoma with miR-634 Ointment. <i>Molecular Therapy - Oncolytics</i> , 2020, 19, 294-307.	4.4	17
28	Corticosterone Facilitates Fluoxetine-Induced Neuronal Plasticity in the Hippocampus. <i>PLoS ONE</i> , 2013, 8, e63662.	2.5	16
29	Correlated Alterations in Serotonergic and Dopaminergic Modulations at the Hippocampal Mossy Fiber Synapse in Mice Lacking Dysbindin. <i>PLoS ONE</i> , 2011, 6, e18113.	2.5	16
30	Hippocampal Mossy Fiber Synaptic Transmission and Its Modulation. <i>Vitamins and Hormones</i> , 2010, 82, 65-85.	1.7	12
31	Dihydropyridine-Sensitive Calcium Current Mediates Neurotransmitter Release from Retinal Bipolar Cells. <i>Annals of the New York Academy of Sciences</i> , 1993, 707, 359-361.	3.8	11
32	Enhanced stability of hippocampal place representation caused by reduced magnesium block of NMDA receptors in the dentate gyrus. <i>Molecular Brain</i> , 2014, 7, 44.	2.6	10
33	Silencing of PD-L2/B7-DC by Topical Application of Small Interfering RNA Inhibits Elicitation of Contact Hypersensitivity. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2164-2173.e1.	0.7	9
34	Predominant Role of Serotonin at the Hippocampal Mossy Fiber Synapse with Redundant Monoaminergic Modulation. <i>IScience</i> , 2020, 23, 101025.	4.1	7
35	Attenuated bidirectional short-term synaptic plasticity in the dentate gyrus of Schnurri-2 knockout mice, a model of schizophrenia. <i>Molecular Brain</i> , 2018, 11, 56.	2.6	6
36	Synapse-selective rapid potentiation of hippocampal synaptic transmission by 7,8-dihydroxyflavone. <i>Neuropsychopharmacology Reports</i> , 2018, 38, 197-203.	2.3	6

#	ARTICLE	IF	CITATIONS
37	Activity modifies adult brain maturity. <i>Oncotarget</i> , 2017, 8, 46708-46709.	1.8	2
38	Slitrk2 deficiency causes hyperactivity with altered vestibular function and serotonergic dysregulation. <i>IScience</i> , 2022, 25, 104604.	4.1	2
39	Augmentation of lenvatinib efficacy by topical treatment of miR-634 ointment in anaplastic thyroid cancer. <i>Biochemistry and Biophysics Reports</i> , 2021, 26, 101009.	1.3	1
40	1. Neuroscience Series From Hippocampal Synapse to Psychiatric Disorder(3). <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2008, 4, 111-114.	0.0	0
41	Antidepressant Action and Hippocampal Neuronal Plasticity. <i>Nihon Ika Daigaku Igakkai Zasshi</i> , 2014, 10, 6-12.	0.0	0