

Shigeki Moriguchi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,210
citations

331670

21
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of constitutively active calcineurin by calpain contributes to delayed neuronal death following mouse brain ischemia. <i>Journal of Neurochemistry</i> , 2006, 98, 310-320.	3.9	78
2	Stimulation of the Sigma-1 Receptor by DHEA Enhances Synaptic Efficacy and Neurogenesis in the Hippocampal Dentate Gyrus of Olfactory Bulbectomized Mice. <i>PLoS ONE</i> , 2013, 8, e60863.	2.5	75
3	Functional uncoupling between Ca ²⁺ release and afterhyperpolarization in mutant hippocampal neurons lacking junctophilins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10811-10816.	7.1	73
4	Decreased calcium/calmodulin-dependent protein kinase II and protein kinase C activities mediate impairment of hippocampal long-term potentiation in the olfactory bulbectomized mice. <i>Journal of Neurochemistry</i> , 2006, 97, 22-29.	3.9	72
5	Constitutively active calcineurin mediates delayed neuronal death through Fas-ligand expression via activation of NFAT and FKHR transcriptional activities in mouse brain ischemia. <i>Journal of Neurochemistry</i> , 2007, 102, 1506-1517.	3.9	72
6	Reduced calcium/calmodulin-dependent protein kinase II activity in the hippocampus is associated with impaired cognitive function in MPTP-treated mice. <i>Journal of Neurochemistry</i> , 2012, 120, 541-551.	3.9	71
7	Sigma-1 receptor stimulation by dehydroepiandrosterone ameliorates cognitive impairment through activation of CaM kinase II, protein kinase C and extracellular signal-regulated kinase in olfactory bulbectomized mice. <i>Journal of Neurochemistry</i> , 2011, 117, 879-891.	3.9	57
8	The T-type voltage-gated calcium channel as a molecular target of the novel cognitive enhancer ST101: enhancement of long-term potentiation and CaMKII autophosphorylation in rat cortical slices. <i>Journal of Neurochemistry</i> , 2012, 121, 44-53.	3.9	55
9	Mechanism of Action of Galantamine on N-Methyl-d-Aspartate Receptors in Rat Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 933-942.	2.5	52
10	A Novel Cognitive Enhancer, ZSET1446/ST101, Promotes Hippocampal Neurogenesis and Ameliorates Depressive Behavior in Olfactory Bulbectomized Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 43-50.	2.5	45
11	Spiro[imidazo[1,2-a]pyridine-3,2-indan]-2(3H)-one (ZSET1446/ST101) Treatment Rescues Olfactory Bulbectomy-Induced Memory Impairment by Activating Ca ²⁺ /Calmodulin Kinase II and Protein Kinase C in Mouse Hippocampus. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 127-134.	2.5	43
12	Stimulation of Sigma-1 Receptor Ameliorates Depressive-like Behaviors in CaMKIV Null Mice. <i>Molecular Neurobiology</i> , 2015, 52, 1210-1222.	4.0	42
13	Potentiation of N-Methyl-d-aspartate-Induced Currents by the Nootropic Drug Nefiracetam in Rat Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 160-167.	2.5	36
14	CaM kinase II and protein kinase C activations mediate enhancement of long-term potentiation by nefiracetam in the rat hippocampal CA1 region. <i>Journal of Neurochemistry</i> , 2008, 106, 1092-1103.	3.9	35
15	Nefiracetam Potentiates N-Methyl-d-aspartate (NMDA) Receptor Function via Protein Kinase C Activation and Reduces Magnesium Block of NMDA Receptor. <i>Molecular Pharmacology</i> , 2007, 71, 580-587.	2.3	33
16	Enhancement of N-methyl-D-aspartate receptor-mediated excitatory postsynaptic potentials in the neostriatum after methamphetamine sensitization. <i>Experimental Brain Research</i> , 2002, 144, 238-246.	1.5	31
17	Galantamine enhancement of long-term potentiation is mediated by calcium/calmodulin-dependent protein kinase II and protein kinase C activation. <i>Hippocampus</i> , 2009, 19, 844-854.	1.9	30
18	Effects of Ethanol on Excitatory and Inhibitory Synaptic Transmission in Rat Cortical Neurons. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 89-99.	2.4	29

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19	Nefiracetam activation of CaM kinase II and protein kinase C mediated by NMDA and metabotropic glutamate receptors in olfactory bulbectomized mice. <i>Journal of Neurochemistry</i> , 2009, 110, 170-181.	3.9	27
20	Modulation of N-Methyl-d-aspartate Receptors by Donepezil in Rat Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 125-135.	2.5	26
21	Reduced expression of Na ⁺ /Ca ²⁺ exchangers is associated with cognitive deficits seen in Alzheimer's disease model mice. <i>Neuropharmacology</i> , 2018, 131, 291-303.	4.1	23
22	Functional Genomic Analyses Identify Pathways Dysregulated in Animal Model of Autism. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 845-853.	3.9	22
23	Stimulation of the Sigma-1 Receptor and the Effects on Neurogenesis and Depressive Behaviors in Mice. <i>Advances in Experimental Medicine and Biology</i> , 2017, 964, 201-211.	1.6	19
24	Combined Memantine and Donepezil Treatment Improves Behavioral and Psychological Symptoms of Dementia-Like Behaviors in Olfactory Bulbectomized Mice. <i>Pharmacology</i> , 2017, 99, 160-171.	2.2	17
25	Pharmacological Study on Alzheimer's Drugs Targeting Calcium/Calmodulin-Dependent Protein Kinase II. <i>Journal of Pharmacological Sciences</i> , 2011, 117, 6-11.	2.5	16
26	CaMKII activity is essential for improvement of memory-related behaviors by chronic rivastigmine treatment. <i>Journal of Neurochemistry</i> , 2014, 128, 927-937.	3.9	16
27	The extracellular fragment of GPNMB (Glycoprotein nonmelanosoma protein B,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Neurochemistry</i> , 2015, 132, 583-594.	3.9	16
28	Reduced CaM Kinase II and CaM Kinase IV Activities Underlie Cognitive Deficits in NCKX2 Heterozygous Mice. <i>Molecular Neurobiology</i> , 2017, 55, 3889-3900.	4.0	13
29	Nicotine Rescues Depressive-like Behaviors via $\alpha 7$ -type Nicotinic Acetylcholine Receptor Activation in CaMKIV Null Mice. <i>Molecular Neurobiology</i> , 2020, 57, 4929-4940.	4.0	11
30	Ca ²⁺ /calmodulin-dependent protein kinase II and protein kinase C activities mediate extracellular glucose-regulated hippocampal synaptic efficacy. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 101-107.	2.2	10
31	Novel nootropic drug sunifiram improves cognitive deficits via CaM kinase II and protein kinase C activation in olfactory bulbectomized mice. <i>Behavioural Brain Research</i> , 2013, 242, 150-157.	2.2	10
32	Aberrant Behavioral Sensitization by Methamphetamine in Junctophilin-Deficient Mice. <i>Molecular Neurobiology</i> , 2015, 51, 533-542.	4.0	10
33	Novel nootropic drug sunifiram enhances hippocampal synaptic efficacy via glycine-binding site of N-methyl-D-aspartate receptor. <i>Hippocampus</i> , 2013, 23, 942-951.	1.9	9
34	Aberrant Amygdala-dependent Fear Memory in Corticosterone-treated Mice. <i>Neuroscience</i> , 2018, 388, 448-459.	2.3	9
35	Memantine Improves Depressive-like Behaviors via Kir6.1 Channel Inhibition in Olfactory Bulbectomized Mice. <i>Neuroscience</i> , 2020, 442, 264-273.	2.3	9
36	Memantine improves cognitive deficits via KATP channel inhibition in olfactory bulbectomized mice. <i>Molecular and Cellular Neurosciences</i> , 2021, 117, 103680.	2.2	8

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37	Propolis Promotes Memantine-Dependent Rescue of Cognitive Deficits in APP-KI Mice. <i>Molecular Neurobiology</i> , 2022, 59, 4630-4646.	4.0	4
38	Kir6.1 Heterozygous Mice Exhibit Aberrant Amygdala-Dependent Cued Fear Memory. <i>Molecular Neurobiology</i> , 2020, 57, 1622-1635.	4.0	3
39	Aberrant Amygdala-Dependent Cued Fear Memory in Na ⁺ /Ca ²⁺ Exchanger 1 Heterozygous Mice. <i>Molecular Neurobiology</i> , 2019, 56, 4381-4394.	4.0	1
40	KATP channel is novel targets for Alzheimer's disease therapeutics. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-40.	0.0	0