

Kazuko Sakata

List of Publications by Year in descending order

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29
papers

2,662
citations

304743

22
h-index

526287

27
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29
all docs

29
docs citations

29
times ranked

3870
citing authors

#	ARTICLE	IF	CITATIONS
1	Cleavage of proBDNF by tPA/Plasmin Is Essential for Long-Term Hippocampal Plasticity. <i>Science</i> , 2004, 306, 487-491.	12.6	1,014
2	Critical role of promoter IV-driven BDNF transcription in GABAergic transmission and synaptic plasticity in the prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5942-5947.	7.1	183
3	NT-3 facilitates hippocampal plasticity and learning and memory by regulating neurogenesis. <i>Learning and Memory</i> , 2006, 13, 307-315.	1.3	158
4	Cloning of a lymphatic peptide/histidine transporter. <i>Biochemical Journal</i> , 2001, 356, 53-60.	3.7	117
5	Role of activity-dependent BDNF expression in hippocampal prefrontal cortical regulation of behavioral perseverance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15103-15108.	7.1	116
6	Hsp90 Chaperone Inhibitor 17-AAG Attenuates A β -Induced Synaptic Toxicity and Memory Impairment. <i>Journal of Neuroscience</i> , 2014, 34, 2464-2470.	3.6	102
7	Altered Synapse Formation in the Adult Somatosensory Cortex of Brain-Derived Neurotrophic Factor Heterozygote Mice. <i>Journal of Neuroscience</i> , 2004, 24, 2394-2400.	3.6	95
8	Lack of promoter IV-driven BDNF transcription results in depression-like behavior. <i>Genes, Brain and Behavior</i> , 2010, 9, 712-721.	2.2	85
9	Cloning of a lymphatic peptide/histidine transporter. <i>Biochemical Journal</i> , 2001, 356, 53.	3.7	78
10	A key mechanism underlying sensory experience-dependent maturation of neocortical GABAergic circuits in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12131-12136.	7.1	77
11	Thioredoxin-Interacting Protein (TXNIP) Associated NLRP3 Inflammasome Activation in Human Alzheimer's Disease Brain. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 255-265.	2.6	77
12	Enriched environment treatment reverses depression-like behavior and restores reduced hippocampal neurogenesis and protein levels of brain-derived neurotrophic factor in mice lacking its expression through promoter IV. <i>Translational Psychiatry</i> , 2011, 1, e40-e40.	4.8	71
13	Cerebellar Deficits and Hyperactivity in Mice Lacking Smad4. <i>Journal of Biological Chemistry</i> , 2003, 278, 42313-42320.	3.4	60
14	Expression pattern of messenger RNAs for prostanoid receptors in glial cell cultures. <i>Brain Research</i> , 1996, 707, 282-287.	2.2	56
15	Lack of BDNF expression through promoter IV disturbs expression of monoamine genes in the frontal cortex and hippocampus. <i>Neuroscience</i> , 2014, 260, 265-275.	2.3	47
16	Activated cAMP-response Element-binding Protein Regulates Neuronal Expression of Presenilin-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 9688-9698.	3.4	42
17	A CNS-permeable Hsp90 inhibitor rescues synaptic dysfunction and memory loss in APP-overexpressing Alzheimer's mouse model via an HSF1-mediated mechanism. <i>Molecular Psychiatry</i> , 2017, 22, 990-1001.	7.9	40
18	Bidirectional interplay of HSF1 degradation and UPR activation promotes tau hyperphosphorylation. <i>PLoS Genetics</i> , 2017, 13, e1006849.	3.5	39

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19	Antidepressive and BDNF effects of enriched environment treatment across ages in mice lacking BDNF expression through promoter IV. <i>Translational Psychiatry</i> , 2016, 6, e896-e896.	4.8	33
20	ER stress associated TXNIP-NLRP3 inflammasome activation in hippocampus of human Alzheimer's disease. <i>Neurochemistry International</i> , 2021, 148, 105104.	3.8	33
21	Characterization of glycine release mediated by glycine transporter 1 stably expressed in HEK-293 cells. <i>Molecular Brain Research</i> , 1997, 49, 89-94.	2.3	30
22	BDNF may play a differential role in the protective effect of the mGluR2/3 agonist LY379268 on striatal projection neurons in R6/2 Huntington's disease mice. <i>Brain Research</i> , 2012, 1473, 161-172.	2.2	29
23	BDNF deficiency and enriched environment treatment affect neurotransmitter gene expression differently across ages. <i>Journal of Neurochemistry</i> , 2020, 154, 41-55.	3.9	23
24	Effects of antidepressant treatment on mice lacking brain-derived neurotrophic factor expression through promoter IV. <i>European Journal of Neuroscience</i> , 2013, 37, 1863-1874.	2.6	22
25	The effect of enriched environment across ages: A study of anhedonia and BDNF gene induction. <i>Genes, Brain and Behavior</i> , 2018, 17, e12485.	2.2	13
26	Promoter IV- β -BDNF deficiency disturbs cholinergic gene expression of CHRNA5, CHRMA2, and CHRMA5: effects of drug and environmental treatments. <i>Journal of Neurochemistry</i> , 2017, 143, 49-64.	3.9	12
27	Cloning of a bovine orphan transporter and its short splicing variant. <i>FEBS Letters</i> , 1999, 443, 267-270.	2.8	10
28	Stimulation of Cyclic AMP Formation by Pituitary Adenylate Cyclase-Activating Polypeptide Is Attenuated by Glutamate in Rat Brain Slices. <i>The Japanese Journal of Pharmacology</i> , 1995, 67, 399-402.	1.2	0
29	Hsp90 inhibitor induces nuclear translocation of HSF1 predominantly in hippocampal CA1 region. <i>Molecular Psychiatry</i> , 2017, 22, 935-935.	7.9	0