

Hisatsugu Koshimizu

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,376
citations

393982

19
h-index

377514

34
g-index

37
all docs

37
docs citations

37
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	BDNF-induced recruitment of TrkB receptor into neuronal lipid rafts. <i>Journal of Cell Biology</i> , 2004, 167, 1205-1215.	2.3	177
2	Multiple functions of precursor BDNF to CNS neurons: negative regulation of neurite growth, spine formation and cell survival. <i>Molecular Brain</i> , 2009, 2, 27.	1.3	155
3	Brain-Derived Neurotrophic Factor Regulates Cholesterol Metabolism for Synapse Development. <i>Journal of Neuroscience</i> , 2007, 27, 6417-6427.	1.7	147
4	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.	2.8	143
5	Distinct signaling pathways of precursor BDNF and mature BDNF in cultured cerebellar granule neurons. <i>Neuroscience Letters</i> , 2010, 473, 229-232.	1.0	64
6	Absence of carboxypeptidase E leads to adult hippocampal neuronal degeneration and memory deficits. <i>Hippocampus</i> , 2008, 18, 1051-1063.	0.9	55
7	Roles of Amino Acid Residues near the Chromophore of Photoactive Yellow Protein. <i>Biochemistry</i> , 2001, 40, 4679-4685.	1.2	54
8	Serpinin: A Novel Chromogranin A-Derived, Secreted Peptide Up-Regulates Protease Nexin-1 Expression and Granule Biogenesis in Endocrine Cells. <i>Molecular Endocrinology</i> , 2011, 25, 732-744.	3.7	50
9	The novel chromogranin A-derived serpinin and pyroglutaminated serpinin peptides are positive cardiac β -adrenergic-like inotropes. <i>FASEB Journal</i> , 2012, 26, 2888-2898.	0.2	44
10	M4 muscarinic receptor knockout mice display abnormal social behavior and decreased prepulse inhibition. <i>Molecular Brain</i> , 2012, 5, 10.	1.3	44
11	Chromogranin A: A new proposal for trafficking, processing and induction of granule biogenesis. <i>Regulatory Peptides</i> , 2010, 160, 153-159.	1.9	39
12	Expression of cystatin C prevents oxidative stress-induced death in PC12 cells. <i>Brain Research Bulletin</i> , 2005, 67, 94-99.	1.4	35
13	Neuronal Roles of the Integrin-associated Protein (IAP/CD47) in Developing Cortical Neurons. <i>Journal of Biological Chemistry</i> , 2004, 279, 43245-43253.	1.6	33
14	Carboxypeptidase E knockout mice exhibit abnormal dendritic arborization and spine morphology in central nervous system neurons. <i>Journal of Neuroscience Research</i> , 2010, 88, 64-72.	1.3	30
15	Biogenesis and Transport of Secretory Granules to Release Site in Neuroendocrine Cells. <i>Journal of Molecular Neuroscience</i> , 2009, 37, 151-159.	1.1	28
16	ENU-mutagenesis mice with a non-synonymous mutation in Grin1 exhibit abnormal anxiety-like behaviors, impaired fear memory, and decreased acoustic startle response. <i>BMC Research Notes</i> , 2013, 6, 203.	0.6	27
17	Expression of CD47/integrin-associated protein induces death of cultured cerebral cortical neurons. <i>Journal of Neurochemistry</i> , 2002, 82, 249-257.	2.1	26
18	Role of pGlu-Serpinin, a Novel Chromogranin A-Derived Peptide in Inhibition of Cell Death. <i>Journal of Molecular Neuroscience</i> , 2011, 45, 294-303.	1.1	23

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19	Transcriptomic immaturity of the hippocampus and prefrontal cortex in patients with alcoholism. <i>Scientific Reports</i> , 2017, 7, 44531.	1.6	23
20	Comprehensive Behavioral Analysis of Cluster of Differentiation 47 Knockout Mice. <i>PLoS ONE</i> , 2014, 9, e89584.	1.1	22
21	Adenomatous polyposis coli heterozygous knockout mice display hypoactivity and age-dependent working memory deficits. <i>Frontiers in Behavioral Neuroscience</i> , 2011, 5, 85.	1.0	20
22	Shp-2 positively regulates brain-derived neurotrophic factor-promoted survival of cultured ventral mesencephalic dopaminergic neurons through a brain immunoglobulin-like molecule with tyrosine-based activation motifs/Shp substrate-1. <i>Journal of Neurochemistry</i> , 2002, 82, 353-364.	2.1	19
23	Apoptosis-Signal Regulating Kinase-1 Is Involved in the Low Potassium-Induced Activation of p38 Mitogen-Activated Protein Kinase and c-Jun in Cultured Cerebellar Granule Neurons. <i>Journal of Biochemistry</i> , 2003, 133, 719-724.	0.9	17
24	Neuroprotective Protein and Carboxypeptidase E. <i>Journal of Molecular Neuroscience</i> , 2009, 39, 1-8.	1.1	17
25	Functional interaction between BDNF and mGluR II in vitro: BDNF down-regulated mGluR II gene expression and an mGluR II agonist enhanced BDNF-induced BDNF gene expression in rat cerebral cortical neurons. <i>Peptides</i> , 2017, 89, 42-49.	1.2	15
26	Distinct usages of phospholipase C β 3 and Shc in intracellular signaling stimulated by neurotrophins. <i>Brain Research</i> , 2002, 955, 183-190.	1.1	14
27	Serpins: Role in Granule Biogenesis, Inhibition of Cell Death and Cardiac Function. <i>Current Medicinal Chemistry</i> , 2012, 19, 4086-4092.	1.2	11
28	Reprint of: Chromogranin A: A new proposal for trafficking, processing and induction of granule biogenesis. <i>Regulatory Peptides</i> , 2010, 165, 95-101.	1.9	9
29	Corticotropin-releasing hormone-binding protein is upregulated by brain-derived neurotrophic factor and is secreted in an activity-dependent manner in rat cerebral cortical neurons. <i>Journal of Neurochemistry</i> , 2018, 146, 99-110.	2.1	9
30	Genome-wide association study identifies a novel locus associated with psychological distress in the Japanese population. <i>Translational Psychiatry</i> , 2019, 9, 52.	2.4	7
31	Brain-derived neurotrophic factor predominantly regulates the expression of synapse-related genes in the striatum: Insights from <i>in vitro</i> transcriptomics. <i>Neuropsychopharmacology Reports</i> , 2021, 41, 485-495.	1.1	7
32	Comprehensive behavioral analysis and quantification of brain free amino acids of C57BL/6J congenic mice carrying the 1473G allele in tryptophan hydroxylase-2. <i>Neuropsychopharmacology Reports</i> , 2019, 39, 56-60.	1.1	6
33	BIT/SHPS-1 Promotes Antiapoptotic Effect of BDNF on Low Potassium-Induced Cell Death of Cultured Cerebellar Granule Neurons. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 1027-1032.	1.7	3
34	Vexin is upregulated in cerebral cortical neurons by brain-derived neurotrophic factor. <i>Neuropsychopharmacology Reports</i> , 2020, 40, 275-280.	1.1	3
35	BDNF stimulates neuronal cholesterol biosynthesis and accumulates presynaptic proteins in lipid rafts. <i>Neuroscience Research</i> , 2007, 58, S20.	1.0	0
36	A GENOME-WIDE ASSOCIATION STUDY IDENTIFIES A NOVEL LOCUS ASSOCIATED WITH DEPRESSIVE STATE IN THE JAPANESE POPULATION. <i>European Neuropsychopharmacology</i> , 2019, 29, S905.	0.3	0

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37	Role of Shp2 Tyrosine Phosphatase in Trophic Effects of BDNF in Cultured Dopaminergic Neurons of Substantia Nigra. <i>Advances in Behavioral Biology</i> , 2002, , 195-198.	0.2	0