

Deok-Jin Jang

List of Publications by Year in descending order

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47
papers

1,066
citations

516710

16
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

4039
citing authors

#	ARTICLE	IF	CITATIONS
1	PI3K β is required for NMDA receptor-dependent long-term depression and behavioral flexibility. <i>Nature Neuroscience</i> , 2011, 14, 1447-1454.	14.8	126
2	Effect of ablated hippocampal neurogenesis on the formation and extinction of contextual fear memory. <i>Molecular Brain</i> , 2009, 2, 1.	2.6	105
3	Autophagy regulates amyotrophic lateral sclerosis-linked fused in sarcoma-positive stress granules in neurons. <i>Neurobiology of Aging</i> , 2014, 35, 2822-2831.	3.1	99
4	The Brain-Enriched MicroRNA miR-9-3p Regulates Synaptic Plasticity and Memory. <i>Journal of Neuroscience</i> , 2016, 36, 8641-8652.	3.6	82
5	Autophagy Negatively Regulates Early Axon Growth in Cortical Neurons. <i>Molecular and Cellular Biology</i> , 2013, 33, 3907-3919.	2.3	78
6	Protein Kinase CK2 Regulates Cytoskeletal Reorganization during Ionizing Radiation-Induced Senescence of Human Mesenchymal Stem Cells. <i>Cancer Research</i> , 2009, 69, 8200-8207.	0.9	70
7	Development of LC 3/ GABARAP sensors containing a LIR and a hydrophobic domain to monitor autophagy. <i>EMBO Journal</i> , 2017, 36, 1100-1116.	7.8	57
8	Identification of a serotonin receptor coupled to adenylyl cyclase involved in learning-related heterosynaptic facilitation in <i>Aplysia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14634-14639.	7.1	48
9	Differential Effects of X-Rays and High-Energy 56Fe Ions on Human Mesenchymal Stem Cells. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 869-877.	0.8	41
10	TMEM106B, a frontotemporal lobar dementia (FTLD) modifier, associates with FTD-3-linked CHMP2B, a complex of ESCRT-III. <i>Molecular Brain</i> , 2015, 8, 85.	2.6	29
11	Sequestration of PRMT1 and Nd1-L mRNA into ALS-linked FUS mutant R521C-positive aggregates contributes to neurite degeneration upon oxidative stress. <i>Scientific Reports</i> , 2017, 7, 40474.	3.3	27
12	ALS/FTLD-linked TDP-43 regulates neurite morphology and cell survival in differentiated neurons. <i>Experimental Cell Research</i> , 2013, 319, 1998-2005.	2.6	26
13	Transcriptome analysis and identification of regulators for long-term plasticity in <i>Aplysia kurodai</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18602-18607.	7.1	25
14	Intracellular Membrane Association of the <i>Aplysia</i> cAMP Phosphodiesterase Long and Short Forms via Different Targeting Mechanisms. <i>Journal of Biological Chemistry</i> , 2014, 289, 25797-25811.	3.4	18
15	Proteomic and Biochemical Studies of Calcium- and Phosphorylation-Dependent Calmodulin Complexes in Mammalian Cells. <i>Journal of Proteome Research</i> , 2007, 6, 3718-3728.	3.7	17
16	N termini of apPDE4 isoforms are responsible for targeting the isoforms to different cellular membranes. <i>Learning and Memory</i> , 2010, 17, 469-479.	1.3	17
17	Dynamic phospholipid interaction of β 2e subunit regulates the gating of voltage-gated Ca ²⁺ channels. <i>Journal of General Physiology</i> , 2015, 145, 529-541.	1.9	14
18	The roles of phosphoinositides in mammalian autophagy. <i>Archives of Pharmacal Research</i> , 2016, 39, 1129-1136.	6.3	14

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19	Characterization of Novel Calmodulin Binding Domains within IQ Motifs of IQGAP1. <i>Molecules and Cells</i> , 2011, 32, 511-518.	2.6	13
20	Learning-Related Synaptic Growth Mediated by Internalization of <i>Aplysia</i> Cell Adhesion Molecule Is Controlled by Membrane Phosphatidylinositol 4,5-Bisphosphate Synthetic Pathway. <i>Journal of Neuroscience</i> , 2012, 32, 16296-16305.	3.6	13
21	The role of lipid binding for the targeting of synaptic proteins into synaptic vesicles. <i>BMB Reports</i> , 2009, 42, 1-5.	2.4	13
22	A transducible nuclear/nucleolar protein, mLLP, regulates neuronal morphogenesis and synaptic transmission. <i>Scientific Reports</i> , 2016, 6, 22892.	3.3	12
23	AU-rich element-binding protein negatively regulates CCAAT enhancer-binding protein mRNA stability during long-term synaptic plasticity in <i>Aplysia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15520-15525.	7.1	11
24	Monitoring LC3- or GABARAP-positive autophagic membranes using modified RavZ-based probes. <i>Scientific Reports</i> , 2019, 9, 16593.	3.3	10
25	LIR motifs and the membrane-targeting domain are complementary in the function of RavZ. <i>BMB Reports</i> , 2019, 52, 700-705.	2.4	10
26	Ca ²⁺ controls gating of voltage-gated calcium channels by releasing the Î²2e subunit from the plasma membrane. <i>Science Signaling</i> , 2016, 9, ra67.	3.6	8
27	Activation of <i>Aplysia</i> ARF6 induces neurite outgrowth and is sequestered by the overexpression of the PH domain of <i>Aplysia</i> Sec7 proteins. <i>Neurobiology of Learning and Memory</i> , 2017, 138, 31-38.	1.9	8
28	Nonmuscle myosin IIB regulates Parkin-mediated mitophagy associated with amyotrophic lateral sclerosis-linked TDP-43. <i>Cell Death and Disease</i> , 2020, 11, 952.	6.3	8
29	Autophagy pathway upregulation in a human iPSC-derived neuronal model of Cohen syndrome with VPS13B missense mutations. <i>Molecular Brain</i> , 2020, 13, 69.	2.6	8
30	Deciphering the molecular mechanisms underlying the plasma membrane targeting of PRMT8. <i>BMB Reports</i> , 2019, 52, 601-606.	2.4	8
31	State-Dependent Disruption of Short-Term Facilitation Due to Overexpression of the apPDE4 Supershort Form in <i>Aplysia</i> . <i>Molecules and Cells</i> , 2011, 31, 175-180.	2.6	7
32	AKAP1a is a signal-anchored protein in the mitochondrial outer membrane. <i>FEBS Letters</i> , 2016, 590, 954-961.	2.8	7
33	Development of GABARAP family protein-sensitive LIR-based probes for neuronal autophagy. <i>Molecular Brain</i> , 2019, 12, 33.	2.6	6
34	Assessment of the effects of virus-mediated limited Oct4 overexpression on the structure of the hippocampus and behavior in mice. <i>BMB Reports</i> , 2011, 44, 793-798.	2.4	6
35	Analysis of Phosphoinositide-Binding Properties and Subcellular Localization of GFP-Fusion Proteins. <i>Lipids</i> , 2015, 50, 427-436.	1.7	5
36	Dual roles of the N-terminal coiled-coil domain of an <i>Aplysia</i> sec7 protein: homodimer formation and nuclear export. <i>Journal of Neurochemistry</i> , 2016, 139, 1102-1112.	3.9	5

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37	Characterization of the cellular localization of C4orf34 as a novel endoplasmic reticulum resident protein. <i>BMB Reports</i> , 2014, 47, 563-568.	2.4	5
38	ApCPEB4, a non-prion domain containing homolog of ApCPEB, is involved in the initiation of long-term facilitation. <i>Molecular Brain</i> , 2016, 9, 91.	2.6	3
39	Novel GFP-fused protein probes for detecting phosphatidylinositol-4-phosphate in the plasma membrane. <i>Animal Cells and Systems</i> , 2019, 23, 164-169.	2.2	3
40	Elevated RalA activity in the hippocampus of PI3K β knock-out mice lacking NMDAR-dependent long-term depression. <i>BMB Reports</i> , 2013, 46, 103-106.	2.4	2
41	Specific Expression of <i>Aplysia</i> Phosphodiesterase 4 in Bag Cells Revealed by <i>in situ</i> Hybridization Analysis. <i>Experimental Neurobiology</i> , 2015, 24, 246-251.	1.6	1
42	Deciphering the role of a membrane-targeting domain in assisting endosomal and autophagic membrane localization of a RavZ protein catalytic domain. <i>BMB Reports</i> , 2021, 54, 118-123.	2.4	1
43	Development of a New Autophagosome Sensor With an LC3-interacting Region (LIR) Motif and a Hydrophobic Domain. <i>Microscopy and Microanalysis</i> , 2016, 22, 1188-1189.	0.4	0
44	Distinct regulations of ARF1 by two <i>Aplysia</i> Sec7 isoforms. <i>Animal Cells and Systems</i> , 2017, 21, 10-16.	2.2	0
45	PI4KII activity-dependent Golgi complex targeting of <i>Aplysia</i> phosphodiesterase 4 long-form mutant. <i>Animal Cells and Systems</i> , 2017, 21, 316-322.	2.2	0
46	Analysis of molecular mechanism of cellular localization of various N-terminal mutants of <i>Aplysia</i> PDE4 in HEK293T cells. <i>Analytical Science and Technology</i> , 2016, 29, 10-18.	0.3	0
47	Analysis of the Effects of Overexpression of Specific Phospholipid Binding Proteins on Cellular Morphological Changes in HEK293T Cells. <i>Journal of Life Science</i> , 2016, 26, 875-880.	0.2	0