

Hyungju Park

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,382
citations

361388

20
h-index

501174

28
g-index

33
all docs

33
docs citations

33
times ranked

5566
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotrophin regulation of neural circuit development and function. <i>Nature Reviews Neuroscience</i> , 2013, 14, 7-23.	10.2	1,564
2	Channel-Mediated Tonic GABA Release from Glia. <i>Science</i> , 2010, 330, 790-796.	12.6	470
3	Astrocytes phagocytose adult hippocampal synapses for circuit homeostasis. <i>Nature</i> , 2021, 590, 612-617.	27.8	173
4	Essential Role of Presynaptic NMDA Receptors in Activity-Dependent BDNF Secretion and Corticostriatal LTP. <i>Neuron</i> , 2014, 84, 1009-1022.	8.1	116
5	Anterior cingulate cortex and its input to the basolateral amygdala control innate fear response. <i>Nature Communications</i> , 2018, 9, 2744.	12.8	111
6	Vascular endothelial growth factor (VEGF) signaling regulates hippocampal neurons by elevation of intracellular calcium and activation of calcium/calmodulin protein kinase II and mammalian target of rapamycin. <i>Cellular Signalling</i> , 2008, 20, 714-725.	3.6	101
7	Bestrophin-1 Encodes for the Ca ²⁺ -Activated Anion Channel in Hippocampal Astrocytes. <i>Journal of Neuroscience</i> , 2009, 29, 13063-13073.	3.6	101
8	Efficient derivation of cortical glutamatergic neurons from human pluripotent stem cells: A model system to study neurotoxicity in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2014, 62, 62-72.	4.4	84
9	Cofilin expression induces cofilin-actin rod formation and disrupts synaptic structure and function in <i>Aplysia</i> synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16072-16077.	7.1	65
10	Channel-mediated astrocytic glutamate release via Bestrophin-1 targets synaptic NMDARs. <i>Molecular Brain</i> , 2013, 6, 4.	2.6	65
11	Channel-mediated astrocytic glutamate modulates hippocampal synaptic plasticity by activating postsynaptic NMDA receptors. <i>Molecular Brain</i> , 2015, 8, 7.	2.6	64
12	High glutamate permeability and distal localization of Best1 channel in CA1 hippocampal astrocyte. <i>Molecular Brain</i> , 2013, 6, 54.	2.6	51
13	Nuclear Translocation of CAM-Associated Protein Activates Transcription for Long-Term Facilitation in <i>Aplysia</i> . <i>Cell</i> , 2007, 129, 801-812.	28.9	50
14	Protease activated receptor 1-induced glutamate release in cultured astrocytes is mediated by Bestrophin-1 channel but not by vesicular exocytosis. <i>Molecular Brain</i> , 2012, 5, 38.	2.6	50
15	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
16	Spike-timing-dependent BDNF secretion and synaptic plasticity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130132.	4.0	39
17	Tweety-homolog (<i>Ttyh</i>) Family Encodes the Pore-forming Subunits of the Swelling-dependent Volume-regulated Anion Channel (VRAC _{swell}) in the Brain. <i>Experimental Neurobiology</i> , 2019, 28, 183-215.	1.6	38
18	Microtubule-associated protein 2 mediates induction of long-term potentiation in hippocampal neurons. <i>FASEB Journal</i> , 2020, 34, 6965-6983.	0.5	35

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19	Postsynaptic density protein 95 (PSD-95) is transported by KIF5 to dendritic regions. <i>Molecular Brain</i> , 2019, 12, 97.	2.6	32
20	An Aplysia Type 4 Phosphodiesterase Homolog Localizes at the Presynaptic Terminals of Aplysia Neuron and Regulates Synaptic Facilitation. <i>Journal of Neuroscience</i> , 2005, 25, 9037-9045.	3.6	27
21	Cortical Axonal Secretion of BDNF in the Striatum Is Disrupted in the Mutant-huntingtin Knock-in Mouse Model of Huntington's Disease. <i>Experimental Neurobiology</i> , 2018, 27, 217-225.	1.6	25
22	Regulation of ApC/EBP mRNA by the Aplysia AU-rich element-binding protein, ApELAV, and its effects on 5-hydroxytryptamine-induced long-term facilitation. <i>Journal of Neurochemistry</i> , 2006, 98, 420-429.	3.9	22
23	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
24	Balanced actions of protein synthesis and degradation in memory formation. <i>Learning and Memory</i> , 2019, 26, 299-306.	1.3	11
25	Labeling Dual Presynaptic Inputs using cFork Anterograde Tracing System. <i>Experimental Neurobiology</i> , 2020, 29, 219-229.	1.6	8
26	Endocytic BDNF secretion regulated by Vamp3 in astrocytes. <i>Scientific Reports</i> , 2021, 11, 21203.	3.3	8
27	Adenomatous polyposis coli α -stimulated GEF 1 (Asef1) is a negative regulator of excitatory synaptic function. <i>Journal of Neurochemistry</i> , 2018, 147, 595-608.	3.9	5
28	Anterior cingulate cortex and its input to the basolateral amygdala control innate fear response. <i>IBRO Reports</i> , 2019, 6, S185.	0.3	0