

Kwangwook Cho

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

3,469
citations

33
h-index

55
g-index

55
ext. papers

3,992
ext. citations

9.7
avg, IF

4.92
L-index

#	Paper	IF	Citations
53	Caspase-3 activation via mitochondria is required for long-term depression and AMPA receptor internalization. <i>Cell</i> , 2010 , 141, 859-71	56.2	403
52	Chronic Jet lag produces temporal lobe atrophy and spatial cognitive deficits. <i>Nature Neuroscience</i> , 2001 , 4, 567-8	25.5	259
51	α1-42 inhibition of LTP is mediated by a signaling pathway involving caspase-3, Akt1 and GSK-3β. <i>Nature Neuroscience</i> , 2011 , 14, 545-7	25.5	240
50	Synaptic accumulation of PSD-95 and synaptic function regulated by phosphorylation of serine-295 of PSD-95. <i>Neuron</i> , 2007 , 56, 488-502	13.9	203
49	Cholinergic neurotransmission is essential for perirhinal cortical plasticity and recognition memory. <i>Neuron</i> , 2003 , 38, 987-96	13.9	183
48	Microtubule-associated protein tau is essential for long-term depression in the hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130144	5.8	176
47	The Jak/STAT pathway is involved in synaptic plasticity. <i>Neuron</i> , 2012 , 73, 374-90	13.9	147
46	Altered hippocampal synaptic potentiation in P2X4 knock-out mice. <i>Journal of Neuroscience</i> , 2006 , 26, 9006-9	6.6	128
45	Tau phosphorylation at serine 396 residue is required for hippocampal LTD. <i>Journal of Neuroscience</i> , 2015 , 35, 4804-12	6.6	121
44	A pivotal role of GSK-3 in synaptic plasticity. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 13	6.1	119
43	An activity-regulated microRNA, miR-188, controls dendritic plasticity and synaptic transmission by downregulating neuropilin-2. <i>Journal of Neuroscience</i> , 2012 , 32, 5678-5687	6.6	90
42	Regulation of synaptic Rac1 activity, long-term potentiation maintenance, and learning and memory by BCR and ABR Rac GTPase-activating proteins. <i>Journal of Neuroscience</i> , 2010 , 30, 14134-44	6.6	82
41	Metabotropic glutamate receptor-mediated LTD involves two interacting Ca ²⁺ sensors, NCS-1 and PICK1. <i>Neuron</i> , 2008 , 60, 1095-111	13.9	81
40	Muscarinic receptors induce LTD of NMDAR EPSCs via a mechanism involving hippocalcin, AP2 and PSD-95. <i>Nature Neuroscience</i> , 2010 , 13, 1216-24	25.5	78
39	Acute stress causes rapid synaptic insertion of Ca ²⁺ -permeable AMPA receptors to facilitate long-term potentiation in the hippocampus. <i>Brain</i> , 2013 , 136, 3753-65	11.2	71
38	Rare individual amyloid-β oligomers act on astrocytes to initiate neuronal damage. <i>Biochemistry</i> , 2014 , 53, 2442-53	3.2	68
37	Ultradian corticosterone secretion is maintained in the absence of circadian cues. <i>European Journal of Neuroscience</i> , 2012 , 36, 3142-50	3.5	64

36	Human ProNGF: biological effects and binding profiles at TrkA, P75NTR and sortilin. <i>Journal of Neurochemistry</i> , 2008 , 107, 1124-35	6	58
35	Intracellular oligomeric amyloid-beta rapidly regulates GluA1 subunit of AMPA receptor in the hippocampus. <i>Scientific Reports</i> , 2015 , 5, 10934	4.9	54
34	A novel mechanism of hippocampal LTD involving muscarinic receptor-triggered interactions between AMPARs, GRIP and liprin-alpha. <i>Molecular Brain</i> , 2009 , 2, 18	4.5	53
33	Long-term depression of kainate receptor-mediated synaptic transmission. <i>Neuron</i> , 2006 , 49, 95-106	13.9	53
32	Translational Concepts of mGluR5 in Synaptic Diseases of the Brain. <i>Frontiers in Pharmacology</i> , 2012 , 3, 199	5.6	47
31	Regulation of kainate receptors by protein kinase C and metabotropic glutamate receptors. <i>Journal of Physiology</i> , 2003 , 548, 723-30	3.9	47
30	SALM5 trans-synaptically interacts with LAR-RPTPs in a splicing-dependent manner to regulate synapse development. <i>Scientific Reports</i> , 2016 , 6, 26676	4.9	43
29	False recognition in a mouse model of Alzheimer's disease: rescue with sensory restriction and memantine. <i>Brain</i> , 2012 , 135, 2103-14	11.2	42
28	Replenishment of microRNA-188-5p restores the synaptic and cognitive deficits in 5XFAD Mouse Model of Alzheimer's Disease. <i>Scientific Reports</i> , 2016 , 6, 34433	4.9	41
27	Experience-dependent modification of mechanisms of long-term depression. <i>Nature Neuroscience</i> , 2006 , 9, 170-2	25.5	40
26	Neuronal calcium sensors and synaptic plasticity. <i>Biochemical Society Transactions</i> , 2009 , 37, 1359-63	5.1	39
25	Corticosteroids: way upstream. <i>Molecular Brain</i> , 2010 , 3, 2	4.5	38
24	Stepwise, non-adherent differentiation of human pluripotent stem cells to generate basal forebrain cholinergic neurons via hedgehog signaling. <i>Stem Cell Research</i> , 2013 , 11, 1206-21	1.6	37
23	Physiological and Pathophysiological Implications of Synaptic Tau. <i>Neuroscientist</i> , 2017 , 23, 137-151	7.6	35
22	Cooperation between mglu receptors: a depressing mechanism?. <i>Trends in Neurosciences</i> , 2002 , 25, 405-13	11.3	34
21	Ca-permeable AMPA receptor: A new perspective on amyloid-beta mediated pathophysiology of Alzheimer's disease. <i>Neuropharmacology</i> , 2017 , 112, 221-227	5.5	33
20	Synaptic adhesion molecule IgSF11 regulates synaptic transmission and plasticity. <i>Nature Neuroscience</i> , 2016 , 19, 84-93	25.5	30
19	Beta amyloid aggregates induce sensitised TLR4 signalling causing long-term potentiation deficit and neuronal cell death. <i>Communications Biology</i> , 2020 , 3, 79	6.7	24

18	Activation of a synapse weakening pathway by human Val66 but not Met66 pro-brain-derived neurotrophic factor (proBDNF). <i>Pharmacological Research</i> , 2016 , 104, 97-107	10.2	22
17	Metabotropic glutamate receptor signalling in perirhinal cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2004 , 25, 275-87	4.8	22
16	Dendritic spine anomalies and PTEN alterations in a mouse model of VPA-induced autism spectrum disorder. <i>Pharmacological Research</i> , 2018 , 128, 110-121	10.2	21
15	Glucocorticoids activate a synapse weakening pathway culminating in tau phosphorylation in the hippocampus. <i>Pharmacological Research</i> , 2017 , 121, 42-51	10.2	20
14	Sensing change: the emerging role of calcium sensors in neuronal disease. <i>Seminars in Cell and Developmental Biology</i> , 2011 , 22, 530-5	7.5	17
13	Impairment of Release Site Clearance within the Active Zone by Reduced SCAMP5 Expression Causes Short-Term Depression of Synaptic Release. <i>Cell Reports</i> , 2018 , 22, 3339-3350	10.6	15
12	Cyclin Y inhibits plasticity-induced AMPA receptor exocytosis and LTP. <i>Scientific Reports</i> , 2015 , 5, 12624	4.9	15
11	Planar Airy beam light-sheet for two-photon microscopy. <i>Biomedical Optics Express</i> , 2020 , 11, 3927-3935	3.5	15
10	Atypical evening cortisol profile induces visual recognition memory deficit in healthy human subjects. <i>Molecular Brain</i> , 2008 , 1, 4	4.5	14
9	The role of neuronal calcium sensors in balancing synaptic plasticity and synaptic dysfunction. <i>Frontiers in Molecular Neuroscience</i> , 2012 , 5, 57	6.1	11
8	mGluR5 is involved in dendrite differentiation and excitatory synaptic transmission in NTERA2 human embryonic carcinoma cell-derived neurons. <i>Neuropharmacology</i> , 2007 , 52, 1403-14	5.5	10
7	Group I mGluR regulates the polarity of spike-timing dependent plasticity in substantia gelatinosa neurons. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 347, 509-16	3.4	10
6	M1 muscarinic acetylcholine receptor dysfunction in moderate Alzheimer's disease pathology. <i>Brain Communications</i> , 2020 , 2, fcaa058	4.5	5
5	Postsynaptic p47phox regulates long-term depression in the hippocampus. <i>Cell Discovery</i> , 2018 , 4, 44	22.3	4
4	The Role of Tau in the Post-synapse. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1184, 113-121	3.6	2
3	Synaptic Accumulation of PSD-95 and Synaptic Function Regulated by Phosphorylation of Serine-295 of PSD-95. <i>Neuron</i> , 2008 , 57, 326-327	13.9	1
2	The Anti-diabetic Drug Gliquidone Modulates Lipopolysaccharide-Mediated Microglial Neuroinflammatory Responses by Inhibiting the NLRP3 Inflammasome. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 754123	5.3	1
1	Regulation of Synapse Weakening through Interactions of the Microtubule Associated Protein Tau with PACSIN1. <i>Journal of Neuroscience</i> , 2021 , 41, 7162-7170	6.6	1

