

Won-Suk Chung

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.

30
papers

5,575
citations

18
h-index

33
g-index

33
ext. papers

7,636
ext. citations

15.5
avg, IF

5.63
L-index

#	Paper	IF	Citations
30	Neurotoxic reactive astrocytes are induced by activated microglia. <i>Nature</i> , 2017 , 541, 481-487	50.4	2875
29	Astrocytes mediate synapse elimination through MEGF10 and MERTK pathways. <i>Nature</i> , 2013 , 504, 394-400	40.4	690
28	Astrocytes Control Synapse Formation, Function, and Elimination. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7, a020370	10.2	354
27	Development of a method for the purification and culture of rodent astrocytes. <i>Neuron</i> , 2011 , 71, 799-811	13.9	258
26	Human glioblastoma arises from subventricular zone cells with low-level driver mutations. <i>Nature</i> , 2018 , 560, 243-247	50.4	257
25	Do glia drive synaptic and cognitive impairment in disease?. <i>Nature Neuroscience</i> , 2015 , 18, 1539-1545	25.5	248
24	Novel allele-dependent role for APOE in controlling the rate of synapse pruning by astrocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10186-91	11.5	132
23	Bmp2 signaling regulates the hepatic versus pancreatic fate decision. <i>Developmental Cell</i> , 2008 , 15, 738-48	48.2	118
22	Schwann cells use TAM receptor-mediated phagocytosis in addition to autophagy to clear myelin in a mouse model of nerve injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8072-E8080	11.5	101
21	Cloche is a bHLH-PAS transcription factor that drives haemato-vascular specification. <i>Nature</i> , 2016 , 535, 294-8	50.4	90
20	Intra-endodermal interactions are required for pancreatic beta cell induction. <i>Developmental Cell</i> , 2008 , 14, 582-93	10.2	76
19	The role of glial cells in synapse elimination. <i>Current Opinion in Neurobiology</i> , 2012 , 22, 438-45	7.6	59
18	Astrocytes phagocytose adult hippocampal synapses for circuit homeostasis. <i>Nature</i> , 2021 , 590, 612-617	50.4	49
17	Phagocytic Roles of Glial Cells in Healthy and Diseased Brains. <i>Biomolecules and Therapeutics</i> , 2018 , 26, 350-357	4.2	46
16	Glial Control of Synapse Number in Healthy and Diseased Brain. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 42	6.1	43
15	Multiple roles for Med12 in vertebrate endoderm development. <i>Developmental Biology</i> , 2008 , 317, 467-79	7.9	41
14	Suppression of Alk8-mediated Bmp signaling cell-autonomously induces pancreatic beta-cells in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1142-7	11.5	33

13	Pharmacokinetics of DA-7867, a new oxazolidinone, after intravenous or oral administration to rats: intestinal first-pass effect. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 659-62	5.9	24
12	Effects of recombinant human growth hormone on the pharmacokinetics of intravenous chlorzoxazone in rats with acute renal failure induced by uranyl nitrate. <i>Life Sciences</i> , 2003 , 73, 253-63	6.8	16
11	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. <i>Nature Communications</i> , 2021 , 12, 6943	17.4	15
10	Lysosomal Machinery Drives Extracellular Acidification to Direct Non-apoptotic Cell Death. <i>Cell Reports</i> , 2019 , 27, 11-19.e3	10.6	11
9	Distinct dual roles of p-Tyr42 RhoA GTPase in tau phosphorylation and ATP citrate lyase activation upon different A β concentrations. <i>Redox Biology</i> , 2020 , 32, 101446	11.3	7
8	Microglial MERTK eliminates phosphatidylserine-displaying inhibitory post-synapses. <i>EMBO Journal</i> , 2021 , 40, e107121	13	7
7	Selective remodeling: refining neural connectivity at the neuromuscular junction. <i>PLoS Biology</i> , 2009 , 7, e1000185	9.7	6
6	A Novel In Vitro Live-imaging Assay of Astrocyte-mediated Phagocytosis Using pH Indicator-conjugated Synaptosomes. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	5
5	The roles of astrocytic phagocytosis in maintaining homeostasis of brains. <i>Journal of Pharmacological Sciences</i> , 2021 , 145, 223-227	3.7	4
4	Insulin induces phosphorylation of pyruvate dehydrogenase through RhoA activation pathway in HepG2 cells. <i>FASEB Journal</i> , 2019 , 33, 2072-2083	0.9	4
3	CDC50A dependent phosphatidylserine exposure induces inhibitory post-synapse elimination by microglia		3
2	In Vitro Engulfment Assay to Measure Phagocytic Activity of Astrocytes Using Synaptosomes. <i>Methods in Molecular Biology</i> , 2019 , 1938, 155-168	1.4	2
1	[PL-040101]: INGE GRUNDKE-IQBAL AWARD FOR ALZHEIMER RESEARCH: NOVEL ALLELE-DEPENDENT ROLE FOR APOE IN CONTROLLING THE RATE OF SYNAPSE PRUNING BY ASTROCYTES 2017 , 13, P1224		