

Won-Suk Chung

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

9,183
citations

331259

21
h-index

476904

29
g-index

33
all docs

33
docs citations

33
times ranked

14175
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxic reactive astrocytes are induced by activated microglia. <i>Nature</i> , 2017, 541, 481-487.	13.7	4,977
2	Astrocytes mediate synapse elimination through MEGF10 and MERTK pathways. <i>Nature</i> , 2013, 504, 394-400.	13.7	1,004
3	Astrocytes Control Synapse Formation, Function, and Elimination. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a020370.	2.3	560
4	Human glioblastoma arises from subventricular zone cells with low-level driver mutations. <i>Nature</i> , 2018, 560, 243-247.	13.7	460
5	Do glia drive synaptic and cognitive impairment in disease?. <i>Nature Neuroscience</i> , 2015, 18, 1539-1545.	7.1	344
6	Development of a Method for the Purification and Culture of Rodent Astrocytes. <i>Neuron</i> , 2011, 71, 799-811.	3.8	341
7	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, 10186-10191.	3.3	179
8	Astrocytes phagocytose adult hippocampal synapses for circuit homeostasis. <i>Nature</i> , 2021, 590, 612-617.	13.7	173
9	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.	3.3	155
10	Cloche is a bHLH-PAS transcription factor that drives haemato-vascular specification. <i>Nature</i> , 2016, 535, 294-298.	13.7	151
11	Bmp2 Signaling Regulates the Hepatic versus Pancreatic Fate Decision. <i>Developmental Cell</i> , 2008, 15, 738-748.	3.1	142
12	Phagocytic Roles of Glial Cells in Healthy and Diseased Brains. <i>Biomolecules and Therapeutics</i> , 2018, 26, 350-357.	1.1	89
13	Intra-Endodermal Interactions Are Required for Pancreatic β^2 Cell Induction. <i>Developmental Cell</i> , 2008, 14, 582-593.	3.1	88
14	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. <i>Nature Communications</i> , 2021, 12, 6943.	5.8	84
15	The role of glial cells in synapse elimination. <i>Current Opinion in Neurobiology</i> , 2012, 22, 438-445.	2.0	77
16	Glial Control of Synapse Number in Healthy and Diseased Brain. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 42.	1.8	67
17	Multiple roles for Med12 in vertebrate endoderm development. <i>Developmental Biology</i> , 2008, 317, 467-479.	0.9	45
18	Microglial MERTK eliminates phosphatidylserine ϵ -displaying inhibitory post ϵ synapses. <i>EMBO Journal</i> , 2021, 40, e107121.	3.5	43

#	ARTICLE	IF	CITATIONS
19	Suppression of Alk8-mediated Bmp signaling cell-autonomously induces pancreatic β^2 -cells in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1142-1147.	3.3	38
20	Lysosomal Machinery Drives Extracellular Acidification to Direct Non-apoptotic Cell Death. Cell Reports, 2019, 27, 11-19.e3.	2.9	32
21	The roles of astrocytic phagocytosis in maintaining homeostasis of brains. Journal of Pharmacological Sciences, 2021, 145, 223-227.	1.1	29
22	Pharmacokinetics of DA-7867, a New Oxazolidinone, after Intravenous or Oral Administration to Rats: Intestinal First-Pass Effect. Antimicrobial Agents and Chemotherapy, 2004, 48, 659-662.	1.4	25
23	Effects of recombinant human growth hormone on the pharmacokinetics of intravenous chlorzoxazone in rats with acute renal failure induced by uranyl nitrate. Life Sciences, 2003, 73, 253-263.	2.0	19
24	Distinct dual roles of p-Tyr42 RhoA GTPase in tau phosphorylation and ATP citrate lyase activation upon different $A\beta^2$ concentrations. Redox Biology, 2020, 32, 101446.	3.9	16
25	A Novel In Vitro&/em> Live-imaging Assay of Astrocyte-mediated Phagocytosis Using pH Indicator-conjugated Synaptosomes. Journal of Visualized Experiments, 2018, , .	0.2	12
26	Lomitapide, a cholesterol-lowering drug, is an anticancer agent that induces autophagic cell death via inhibiting mTOR. Cell Death and Disease, 2022, 13, .	2.7	10
27	Insulin induces phosphorylation of pyruvate dehydrogenase through RhoA activation pathway in HepG2 cells. FASEB Journal, 2019, 33, 2072-2083.	0.2	9
28	Selective Remodeling: Refining Neural Connectivity at the Neuromuscular Junction. PLoS Biology, 2009, 7, e1000185.	2.6	8
29	In Vitro Engulfment Assay to Measure Phagocytic Activity of Astrocytes Using Synaptosomes. Methods in Molecular Biology, 2019, 1938, 155-168.	0.4	2
30	[PLA α 01 α 01]: INGE GRUNDKE α QBAL AWARD FOR ALZHEIMER'S RESEARCH: NOVEL ALLELE α DEPENDENT ROLE FOR APOE IN CONTROLLING THE RATE OF SYNAPSE PRUNING BY ASTROCYTES. Alzheimer's and Dementia, 2017, 13, P1224.	0.4	0