Joo-Yong Lee

List of Publications by Year in descending order

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Version: 2024-02-01

35 papers	2,381 citations	236925 25 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	3417 citing authors

#	Article	IF	Citations
1	Contribution by synaptic zinc to the gender-disparate plaque formation in human Swedish mutant APP transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7705-7710.	7.1	409
2	Disparate roles of zinc in chemical hypoxia-induced neuronal death. Frontiers in Cellular Neuroscience, 2015, 9, 1.	3.7	232
3	The lipophilic metal chelator DP-109 reduces amyloid pathology in brains of human Î²-amyloid precursor protein transgenic mice. Neurobiology of Aging, 2004, 25, 1315-1321.	3.1	196
4	Inhibition of Drp1 Ameliorates Synaptic Depression, AÎ² Deposition, and Cognitive Impairment in an Alzheimer's Disease Model. Journal of Neuroscience, 2017, 37, 5099-5110.	3.6	176
5	Zinc released from metallothionein-iii may contribute to hippocampal CA1 and thalamic neuronal death following acute brain injury. Experimental Neurology, 2003, 184, 337-347.	4.1	150
6	Neuronal Zinc Exchange with the Blood Vessel Wall Promotes Cerebral Amyloid Angiopathy in an Animal Model of Alzheimer's Disease. Journal of Neuroscience, 2004, 24, 3453-3459.	3.6	135
7	Histochemically Reactive Zinc in Plaques of the Swedish Mutant Î²-Amyloid Precursor Protein Transgenic Mice. Journal of Neuroscience, 1999, 19, RC10-RC10.	3.6	116
8	Estrogen Decreases Zinc Transporter 3 Expression and Synaptic Vesicle Zinc Levels in Mouse Brain. Journal of Biological Chemistry, 2004, 279, 8602-8607.	3.4	80
9	Structure-mechanism-based engineering of chemical regulators targeting distinct pathological factors in Alzheimerâ€™s disease. Nature Communications, 2016, 7, 13115.	12.8	80
10	Alphaâ€synuclein in gastric and colonic mucosa in Parkinson's disease: Limited role as a biomarker. Movement Disorders, 2016, 31, 241-249.	3.9	69
11	A Redox-Active, Compact Molecule for Cross-Linking Amyloidogenic Peptides into Nontoxic, Off-Pathway Aggregates: In Vitro and In Vivo Efficacy and Molecular Mechanisms. Journal of the American Chemical Society, 2015, 137, 14785-14797.	13.7	65
12	A rationally designed small molecule for identifying an in vivo link between metalâ€“amyloid-Î² complexes and the pathogenesis of Alzheimer's disease. Chemical Science, 2015, 6, 1879-1886.	7.4	60
13	<scp>P</scp>in1 promotes neuronal death in stroke by stabilizing <scp>N</scp>otch intracellular domain. Annals of Neurology, 2015, 77, 504-516.	5.3	58
14	Dependence of the histofluorescently reactive zinc pool on zinc transporter-3 in the normal brain. Brain Research, 2011, 1418, 12-22.	2.2	43
15	Tissue plasminogen activator arrests Alzheimer's disease pathogenesis. Neurobiology of Aging, 2014, 35, 511-519.	3.1	40
16	Clusterin contributes to early stage of Alzheimer's disease pathogenesis. Brain Pathology, 2019, 29, 217-231.	4.1	37
17	Alteration of the Cerebral Zinc Pool in a Mouse Model of Alzheimer Disease. Journal of Neuropathology and Experimental Neurology, 2012, 71, 211-222.	1.7	34
18	N , N â€²-Diacetyl- p -phenylenediamine restores microglial phagocytosis and improves cognitive defects in Alzheimerâ€™s disease transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23426-23436.	7.1	34

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19	Epigenetic regulation of miR-29a/miR-30c/DNMT3A axis controls SOD2 and mitochondrial oxidative stress in human mesenchymal stem cells. Redox Biology, 2020, 37, 101716.	9.0	34
20	Cytosolic labile zinc accumulation in degenerating dopaminergic neurons of mouse brain after MPTP treatment. Brain Research, 2009, 1286, 208-214.	2.2	33
21	Upregulation of tPA/plasminogen proteolytic system in the periphery of amyloid deposits in the Tg2576 mouse model of Alzheimer's disease. Neuroscience Letters, 2007, 423, 82-87.	2.1	32
22	Induction of pro-apoptotic calsenilin/DREAM/KChIP3 in Alzheimer's disease and cultured neurons after amyloid-Î² exposure. Journal of Neurochemistry, 2004, 88, 1570-1570.	3.9	31
23	Ibudilast, a phosphodiesterase inhibitor with anti-inflammatory activity, protects against ischemic brain injury in rats. Brain Research, 2012, 1431, 97-106.	2.2	29
24	Impacts of aging and amyloid-Î² deposition on plasminogen activators and plasminogen activator inhibitor-1 in the Tg2576 mouse model of Alzheimer×³s disease. Brain Research, 2015, 1597, 159-167.	2.2	29
25	Association of metals with the risk and clinical characteristics of Parkinson's disease. Parkinsonism and Related Disorders, 2018, 55, 117-121.	2.2	29
26	Minimalistic Principles for Designing Small Molecules with Multiple Reactivities against Pathological Factors in Dementia. Journal of the American Chemical Society, 2020, 142, 8183-8193.	13.7	23
27	Apolipoprotein E ablation decreases synaptic vesicular zinc in the brain. BioMetals, 2010, 23, 1085-1095.	4.1	21
28	Contribution of Zinc-Dependent Delayed Calcium Influx via TRPC5 in Oxidative Neuronal Death and its Prevention by Novel TRPC Antagonist. Molecular Neurobiology, 2019, 56, 2822-2835.	4.0	20
29	Combination Treatment of Renal Cell Carcinoma with Belinostat and 5-Fluorouracil: A Role for Oxidative Stress Induced DNA Damage and HSP90 Regulated Thymidine Synthase. Journal of Urology, 2015, 193, 1660-1668.	0.4	19
30	Cytosolic labile zinc: a marker for apoptosis in the developing rat brain. European Journal of Neuroscience, 2006, 23, 435-442.	2.6	18
31	Associative Interactions among Zinc, Apolipoprotein E, and Amyloid-Î² in the Amyloid Pathology. International Journal of Molecular Sciences, 2020, 21, 802.	4.1	12
32	Superior Efficacy and Selectivity of Novel Small-Molecule Kinase Inhibitors of T790M-Mutant EGFR in Preclinical Models of Lung Cancer. Cancer Research, 2017, 77, 1200-1211.	0.9	11
33	Diverse Genetic Landscape of Suspected Retinitis Pigmentosa in a Large Korean Cohort. Genes, 2021, 12, 675.	2.4	10
34	Indomethacin preconditioning induces ischemic tolerance by modifying zinc availability in the brain. Neurobiology of Disease, 2015, 81, 186-195.	4.4	7
35	Clinical Characteristics Associated with the Development of Cystoid Macular Edema in Patients with Cytomegalovirus Retinitis. Microorganisms, 2021, 9, 1114.	3.6	3