Seong Su Kang

List of Publications by Year
in descending order

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34	2,065	361413	377865
papers	citations	20	34
		h-index	g-index

35	35	35	2083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cleavage of tau by asparagine endopeptidase mediates the neurofibrillary pathology in Alzheimer's disease. Nature Medicine, 2014, 20, 1254-1262.	30.7	367
2	Delta-secretase cleaves amyloid precursor protein and regulates the pathogenesis in Alzheimerâ€™s disease. Nature Communications, 2015, 6, 8762.	12.8	210
3	Asparagine endopeptidase cleaves Î±-synuclein and mediates pathologic activities in Parkinson's disease. Nature Structural and Molecular Biology, 2017, 24, 632-642.	8.2	159
4	FSH blockade improves cognition in mice with Alzheimerâ€™s disease. Nature, 2022, 603, 470-476.	27.8	131
5	The prodrug of 7,8-dihydroxyflavone development and therapeutic efficacy for treating Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 578-583.	7.1	123
6	Gut dysbiosis contributes to amyloid pathology, associated with C/EBPÎ²/AEP signaling activation in Alzheimerâ€™s disease mouse model. Science Advances, 2020, 6, eaba0466.	10.3	105
7	Inhibition of delta-secretase improves cognitive functions in mouse models of Alzheimerâ€™s disease. Nature Communications, 2017, 8, 14740.	12.8	96
8	TrkB neurotrophic activities are blocked by Î±-synuclein, triggering dopaminergic cell death in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10773-10778.	7.1	91
9	Î±â€Synuclein stimulation of monoamine oxidaseâ€B and legumain protease mediates the pathology of Parkinson's disease. EMBO Journal, 2018, 37, .	7.8	73
10	Initiation of Parkinsonâ€™s disease from gut to brain by Î´-secretase. Cell Research, 2020, 30, 70-87.	12.0	69
11	Norepinephrine metabolite DOPEGAL activates AEP and pathological Tau aggregation in locus coeruleus. Journal of Clinical Investigation, 2019, 130, 422-437.	8.2	65
12	Î´-Secretase-cleaved Tau stimulates AÎ² production via upregulating STAT1-BACE1 signaling in Alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 586-603.	7.9	54
13	Gut inflammation triggers C/EBPÎ²/Îˆâ€secretaseâ€dependent gutâ€toâ€brain propagation of AÎ² and Tau fibrils in Alzheimerâ€™s disease. EMBO Journal, 2021, 40, e106320.	7.8	54
14	Akt Phosphorylates NQO1 and Triggers its Degradation, Abolishing Its Antioxidative Activities in Parkinson's Disease. Journal of Neuroscience, 2019, 39, 7291-7305.	3.6	50
15	Î±-Synuclein binds and sequesters PIKE-L into Lewy bodies, triggering dopaminergic cell death via AMPK hyperactivation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1183-1188.	7.1	44
16	BDNF inhibits neurodegenerative diseaseâ€“associated asparaginyl endopeptidase activity via phosphorylation by AKT. JCI Insight, 2018, 3, .	5.0	37
17	Discovery of a dual inhibitor of NQO1 and GSTP1 for treating glioblastoma. Journal of Hematology and Oncology, 2020, 13, 141.	17.0	36
18	Netrinâ€1 and its receptor DCC modulate survival and death of dopamine neurons and Parkinsonâ€™s disease features. EMBO Journal, 2021, 40, e105537.	7.8	32

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19	Netrin1 deficiency activates MST1 via UNC5B receptor, promoting dopaminergic apoptosis in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24503-24513.	7.1	29
20	Mitochondrial dysfunction triggers the pathogenesis of Parkinsonâ€™s disease in neuronal C/EBPÎ² transgenic mice. Molecular Psychiatry, 2021, 26, 7838-7850.	7.9	26
21	BDNF and Netrin-1 repression by C/EBPÎ² in the gut triggers Parkinsonâ€™s disease pathologies, associated with constipation and motor dysfunctions. Progress in Neurobiology, 2021, 198, 101905.	5.7	24
22	Netrin-1 receptor UNC5C cleavage by active Î´-secretase enhances neurodegeneration, promoting Alzheimerâ€™s disease pathologies. Science Advances, 2021, 7, .	10.3	22
23	ApoE4 inhibition of VMAT2 in the locus coeruleus exacerbates Tau pathology in Alzheimerâ€™s disease. Acta Neuropathologica, 2021, 142, 139-158.	7.7	21
24	C/EBPÎ²/Î´-secretase signaling mediates Parkinsonâ€™s disease pathogenesis via regulating transcription and proteolytic cleavage of Î±-synuclein and MAOB. Molecular Psychiatry, 2021, 26, 568-585.	7.9	20
25	A delta-secretase-truncated APP fragment activates CEBPB, mediating Alzheimerâ€™s disease pathologies. Brain, 2021, 144, 1833-1852.	7.6	19
26	Delta-secretase cleavage of Tau mediates its pathology and propagation in Alzheimerâ€™s disease. Experimental and Molecular Medicine, 2020, 52, 1275-1287.	7.7	17
27	Neuronal ApoE4 stimulates C/EBPÎ² activation, promoting Alzheimerâ€™s disease pathology in a mouse model. Progress in Neurobiology, 2022, 209, 102212.	5.7	15
28	Tau modification by the norepinephrine metabolite DOPEGAL stimulates its pathology and propagation. Nature Structural and Molecular Biology, 2022, 29, 292-305.	8.2	14
29	C/EBPÎ²/AEP Signaling Regulates the Oxidative Stress in Malignant Cancers, Stimulating the Metastasis. Molecular Cancer Therapeutics, 2021, 20, 1640-1652.	4.1	13
30	High-fat diet-induced diabetes couples to Alzheimerâ€™s disease through inflammation-activated C/EBPÎ²/AEP pathway. Molecular Psychiatry, 2022, 27, 3396-3409.	7.9	12
31	Treating Parkinson's Disease via Activation of BDNF/TrkB Signaling Pathways and Inhibition of Delta-Secretase. Neurotherapeutics, 2022, 19, 1283-1297.	4.4	12
32	Neurotrophic signaling deficiency exacerbates environmental risks for Alzheimerâ€™s disease pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
33	UNC5C Receptor Proteolytic Cleavage by Active AEP Promotes Dopaminergic Neuronal Degeneration in Parkinson's Disease. Advanced Science, 2022, 9, e2103396.	11.2	9
34	Oral Treatments With the TrkB Ligand Prodrug, R13, Promote Enhanced Axon Regeneration Following Peripheral Nerve Injury. Frontiers in Cellular Neuroscience, 2022, 16, 857664.	3.7	6