

# Seong Su Kang

## List of Publications by Year in descending order

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34  
papers

2,065  
citations

361413

20  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal ApoE4 stimulates C/EBP $\beta$ activation, promoting Alzheimer's disease pathology in a mouse model. <i>Progress in Neurobiology</i> , 2022, 209, 102212.	5.7	15
2	UNC5C Receptor Proteolytic Cleavage by Active AEP Promotes Dopaminergic Neuronal Degeneration in Parkinson's Disease. <i>Advanced Science</i> , 2022, 9, e2103396.	11.2	9
3	FSH blockade improves cognition in mice with Alzheimer's disease. <i>Nature</i> , 2022, 603, 470-476.	27.8	131
4	Tau modification by the norepinephrine metabolite DOPEGAL stimulates its pathology and propagation. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 292-305.	8.2	14
5	Oral Treatments With the TrkB Ligand Prodrug, R13, Promote Enhanced Axon Regeneration Following Peripheral Nerve Injury. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 857664.	3.7	6
6	High-fat diet-induced diabetes couples to Alzheimer's disease through inflammation-activated C/EBP $\beta$ /AEP pathway. <i>Molecular Psychiatry</i> , 2022, 27, 3396-3409.	7.9	12
7	Treating Parkinson's Disease via Activation of BDNF/TrkB Signaling Pathways and Inhibition of Delta-Secretase. <i>Neurotherapeutics</i> , 2022, 19, 1283-1297.	4.4	12
8	C/EBP $\beta$ /Î-secretase signaling mediates Parkinson's disease pathogenesis via regulating transcription and proteolytic cleavage of Î-synuclein and MAOB. <i>Molecular Psychiatry</i> , 2021, 26, 568-585.	7.9	20
9	Î-Secretase-cleaved Tau stimulates AÎ $^2$ production via upregulating STAT1-BACE1 signaling in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2021, 26, 586-603.	7.9	54
10	BDNF and Netrin-1 repression by C/EBP $\beta$ in the gut triggers Parkinson's disease pathologies, associated with constipation and motor dysfunctions. <i>Progress in Neurobiology</i> , 2021, 198, 101905.	5.7	24
11	Netrin-1 receptor UNC5C cleavage by active Î-secretase enhances neurodegeneration, promoting Alzheimer's disease pathologies. <i>Science Advances</i> , 2021, 7, .	10.3	22
12	A delta-secretase-truncated APP fragment activates CEBPB, mediating Alzheimer's disease pathologies. <i>Brain</i> , 2021, 144, 1833-1852.	7.6	19
13	ApoE4 inhibition of VMAT2 in the locus coeruleus exacerbates Tau pathology in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2021, 142, 139-158.	7.7	21
14	Neurotrophic signaling deficiency exacerbates environmental risks for Alzheimer's disease pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
15	C/EBP $\beta$ /AEP Signaling Regulates the Oxidative Stress in Malignant Cancers, Stimulating the Metastasis. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1640-1652.	4.1	13
16	Gut inflammation triggers C/EBP $\beta$ /Î-secretase-dependent gut-to-brain propagation of AÎ $^2$ and Tau fibrils in Alzheimer's disease. <i>EMBO Journal</i> , 2021, 40, e106320.	7.8	54
17	Mitochondrial dysfunction triggers the pathogenesis of Parkinson's disease in neuronal C/EBP $\beta$ transgenic mice. <i>Molecular Psychiatry</i> , 2021, 26, 7838-7850.	7.9	26
18	Netrin-1 and its receptor DCC modulate survival and death of dopamine neurons and Parkinson's disease features. <i>EMBO Journal</i> , 2021, 40, e105537.	7.8	32

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19	Initiation of Parkinson's disease from gut to brain by $\beta$ -secretase. <i>Cell Research</i> , 2020, 30, 70-87.	12.0	69
20	Discovery of a dual inhibitor of NQO1 and GSTP1 for treating glioblastoma. <i>Journal of Hematology and Oncology</i> , 2020, 13, 141.	17.0	36
21	Gut dysbiosis contributes to amyloid pathology, associated with C/EBP $\beta$ /AEP signaling activation in Alzheimer's disease mouse model. <i>Science Advances</i> , 2020, 6, eaba0466.	10.3	105
22	Delta-secretase cleavage of Tau mediates its pathology and propagation in Alzheimer's disease. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1275-1287.	7.7	17
23	Netrin1 deficiency activates MST1 via UNC5B receptor, promoting dopaminergic apoptosis in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24503-24513.	7.1	29
24	Akt Phosphorylates NQO1 and Triggers its Degradation, Abolishing Its Antioxidative Activities in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2019, 39, 7291-7305.	3.6	50
25	Norepinephrine metabolite DOPEGAL activates AEP and pathological Tau aggregation in locus coeruleus. <i>Journal of Clinical Investigation</i> , 2019, 130, 422-437.	8.2	65
26	The prodrug of 7,8-dihydroxyflavone development and therapeutic efficacy for treating Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 578-583.	7.1	123
27	$\beta$ -Synuclein stimulation of monoamine oxidase-B and legumain protease mediates the pathology of Parkinson's disease. <i>EMBO Journal</i> , 2018, 37, .	7.8	73
28	BDNF inhibits neurodegenerative disease-associated asparaginyl endopeptidase activity via phosphorylation by AKT. <i>JCI Insight</i> , 2018, 3, .	5.0	37
29	$\beta$ -Synuclein binds and sequesters PIKE-L into Lewy bodies, triggering dopaminergic cell death via AMPK hyperactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1183-1188.	7.1	44
30	Inhibition of delta-secretase improves cognitive functions in mouse models of Alzheimer's disease. <i>Nature Communications</i> , 2017, 8, 14740.	12.8	96
31	TrkB neurotrophic activities are blocked by $\beta$ -synuclein, triggering dopaminergic cell death in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10773-10778.	7.1	91
32	Asparagine endopeptidase cleaves $\beta$ -synuclein and mediates pathologic activities in Parkinson's disease. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 632-642.	8.2	159
33	Delta-secretase cleaves amyloid precursor protein and regulates the pathogenesis in Alzheimer's disease. <i>Nature Communications</i> , 2015, 6, 8762.	12.8	210
34	Cleavage of tau by asparagine endopeptidase mediates the neurofibrillary pathology in Alzheimer's disease. <i>Nature Medicine</i> , 2014, 20, 1254-1262.	30.7	367