

# Se Hoon Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,879  
citations

516710  
16  
h-index

677142  
22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

4463  
citing authors

#	ARTICLE	IF	CITATIONS
1	A three-dimensional human neural cell culture model of Alzheimer's disease. <i>Nature</i> , 2014, 515, 274-278.	27.8	950
2	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimer's mouse model. <i>Science</i> , 2018, 361, .	12.6	536
3	TREM2 Acts Downstream of CD33 in Modulating Microglial Pathology in Alzheimer's Disease. <i>Neuron</i> , 2019, 103, 820-835.e7.	8.1	222
4	A 3D human neural cell culture system for modeling Alzheimer's disease. <i>Nature Protocols</i> , 2015, 10, 985-1006.	12.0	209
5	Non-Cell-Autonomous Effects of Presenilin 1 Variants on Enrichment-Mediated Hippocampal Progenitor Cell Proliferation and Differentiation. <i>Neuron</i> , 2008, 59, 568-580.	8.1	159
6	Astrocytic interleukin-3 programs microglia and limits Alzheimer's disease. <i>Nature</i> , 2021, 595, 701-706.	27.8	157
7	Exercise hormone irisin is a critical regulator of cognitive function. <i>Nature Metabolism</i> , 2021, 3, 1058-1070.	11.9	134
8	3D culture models of Alzheimer's disease: a road map to a "culture-in-a-dish". <i>Molecular Neurodegeneration</i> , 2016, 11, 75.	10.8	109
9	Amyloid- $\beta$ 42/40 ratio drives tau pathology in 3D human neural cell culture models of Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 1377.	12.8	88
10	Alzheimer's in 3D culture: Challenges and perspectives. <i>BioEssays</i> , 2015, 37, 1139-1148.	2.5	83
11	Is Alzheimer's Disease a Neurogenesis Disorder?. <i>Cell Stem Cell</i> , 2019, 25, 7-8.	11.1	65
12	Soluble Gamma-secretase Modulators Attenuate Alzheimer's $\beta$ -amyloid Pathology and Induce Conformational Changes in Presenilin 1. <i>EBioMedicine</i> , 2017, 24, 93-101.	6.1	23
13	iPSCs to the Rescue in Alzheimer's Research. <i>Cell Stem Cell</i> , 2012, 10, 235-236.	11.1	21
14	BACE1 Regulates Proliferation and Neuronal Differentiation of Newborn Cells in the Adult Hippocampus in Mice. <i>ENeuro</i> , 2018, 5, ENEURO.0067-18.2018.	1.9	21
15	Recapitulating Amyloid $\beta$ and Tau Pathology in Human Neural Cell Culture Models—Clinical Implications. <i>US Neurology</i> , 2015, 11, 102.	0.2	19
16	Rapid Biomarker Screening of Alzheimer's Disease by Interpretable Machine Learning and Graphene-Assisted Raman Spectroscopy. <i>ACS Nano</i> , 2022, 16, 6426-6436.	14.6	19
17	Upregulation of Alzheimer's Disease Amyloid- $\beta$ Protein Precursor in Astrocytes Both in vitro and in vivo. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1071-1082.	2.6	18
18	Molecular imaging of Alzheimer's disease-related gamma-secretase in mice and nonhuman primates. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	17

#	ARTICLE	IF	CITATIONS
19	Development of a potential PET probe for HDAC6 imaging in Alzheimer's disease. Acta Pharmaceutica Sinica B, 2022, 12, 3891-3904.	12.0	11
20	Degradation and inhibition of epigenetic regulatory protein BRD4 exacerbate Alzheimer's disease-related neuropathology in cell models. Journal of Biological Chemistry, 2022, 298, 101794.	3.4	8
21	Elevated Levels of BMP6 Impair Neurogenesis in Alzheimer's Disease. Journal of Neuroscience, 2011, 31, 371-372.	3.6	5
22	Natural medicine HLXL targets multiple pathways of amyloid-mediated neuroinflammation and immune response in treating alzheimer's disease. Phytomedicine, 2022, 104, 154158.	5.3	2