

Lei Liu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

633
citations

758635

12
h-index

642321

23
g-index

33
all docs

33
docs citations

33
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. <i>Cell</i> , 2019, 179, 1483-1498.e22.	13.5	120
2	Stem cell-derived neurons reflect features of protein networks, neuropathology, and cognitive outcome of their aged human donors. <i>Neuron</i> , 2021, 109, 3402-3420.e9.	3.8	75
3	A cellular complex of BACE1 and β -secretase sequentially generates $A\beta$ from its full-length precursor. <i>Journal of Cell Biology</i> , 2019, 218, 644-663.	2.3	57
4	Decoding the synaptic dysfunction of bioactive human AD brain soluble $A\beta$ to inspire novel therapeutic avenues for Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2018, 6, 121.	2.4	46
5	Plasma N-terminal tau fragment levels predict future cognitive decline and neurodegeneration in healthy elderly individuals. <i>Nature Communications</i> , 2020, 11, 6024.	5.8	43
6	The FAM3 superfamily member ILEI ameliorates Alzheimer's disease-like pathology by destabilizing the penultimate amyloid- β precursor. <i>Nature Communications</i> , 2014, 5, 3917.	5.8	37
7	Variant-dependent heterogeneity in amyloid β burden in autosomal dominant Alzheimer's disease: cross-sectional and longitudinal analyses of an observational study. <i>Lancet Neurology</i> , The, 2022, 21, 140-152.	4.9	34
8	Hydrophilic loop 1 of Presenilin-1 and the APP GxxxG transmembrane motif regulate β -secretase function in generating Alzheimer-causing $A\beta$ peptides. <i>Journal of Biological Chemistry</i> , 2021, 296, 100393.	1.6	22
9	Altered conformation of α -synuclein drives dysfunction of synaptic vesicles in a synaptosomal model of Parkinson's disease. <i>Cell Reports</i> , 2021, 36, 109333.	2.9	22
10	Neuronal expression of ILEI/FAM3C and its reduction in Alzheimer's disease. <i>Neuroscience</i> , 2016, 330, 236-246.	1.1	21
11	Identification of the $A\beta$ 37/42 peptide ratio in CSF as an improved $A\beta$ biomarker for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2023, 19, 79-96.	0.4	21
12	An ultra-sensitive immunoassay detects and quantifies soluble $A\beta$ oligomers in human plasma. <i>Alzheimer's and Dementia</i> , 2022, 18, 1186-1202.	0.4	18
13	Multiple BACE1 inhibitors abnormally increase the BACE1 protein level in neurons by prolonging its half-life. <i>Alzheimer's and Dementia</i> , 2019, 15, 1183-1194.	0.4	17
14	Brain region-specific susceptibility of Lewy body pathology in synucleinopathies is governed by α -synuclein conformations. <i>Acta Neuropathologica</i> , 2022, 143, 453-469.	3.9	14
15	Age-related modulation of β -secretase activity in non-human primate brains. <i>Journal of Neurochemistry</i> , 2012, 123, 21-28.	2.1	12
16	Dilysine retrieval signal-containing p24 proteins collaborate in inhibiting β -cleavage of amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2010, 115, 771-781.	2.1	11
17	Verubecestat for Prodromal Alzheimer's Disease. <i>New England Journal of Medicine</i> , 2019, 381, 388-389.	13.9	10
18	$A\beta$ oligomers from human brain impair mossy fiber LTP in CA3 of hippocampus, but activating cAMP-PKA and cGMP-PKG prevents this. <i>Neurobiology of Disease</i> , 2022, 172, 105816.	2.1	8

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19	Pathogenic Mechanisms of Cytosolic and Membrane-Enriched β -Synuclein Converge on Fatty Acid Homeostasis. <i>Journal of Neuroscience</i> , 2022, 42, 2116-2130.	1.7	7
20	A calcium-sensitive antibody isolates soluble amyloid- β^2 aggregates and fibrils from Alzheimer's disease brain. <i>Brain</i> , 2022, , .	3.7	7
21	Pre-synaptic localization of the β -secretase-inhibiting protein p24 β in the mammalian brain. <i>Journal of Neurochemistry</i> , 2015, 133, 422-431.	2.1	6
22	Extracellular Release of ILEI/FAM3C and Amyloid- β^2 Is Associated with the Activation of Distinct Synapse Subpopulations. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 159-174.	1.2	5
23	Lipase regulation of cellular fatty acid homeostasis as a Parkinson's disease therapeutic strategy. <i>Npj Parkinson's Disease</i> , 2022, 8, .	2.5	5
24	A novel V272D presenilin mutation associated with logopenia, disorientation, and apraxia in an autosomal-dominant Alzheimer's disease family. <i>Neurobiology of Aging</i> , 2020, 85, 154.e5-154.e7.	1.5	4
25	Generation and application of semi-synthetic p-Tau181 calibrator for immunoassay calibration. <i>Biochemical and Biophysical Research Communications</i> , 2022, 611, 85-90.	1.0	4
26	Immunohistochemical detection of the delayed formation of nonfibrillar large amyloid- β^2 aggregates. <i>Genes To Cells</i> , 2016, 21, 200-211.	0.5	3
27	Discovery of aryl aminothiazole β -secretase modulators with novel effects on amyloid β^2 -peptide production. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 54, 128446.	1.0	3
28	Predicting development of AD clinical symptoms and their progression through a collection of novel plasma A β^2 immunoassays. <i>Alzheimer's and Dementia</i> , 2020, 16, e043670.	0.4	1
29	P3-025: P24 β INTERACTS WITH GAMMA-SECRETASE COMPLEX AT PRESYNAPTIC TERMINALS. , 2014, 10, P636-P636.		0
30	FAM3C in Alzheimer's disease. , 2020, , 293-307.		0