

# Chia-Chen Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

8,120  
citations

116194

36  
h-index

182931

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

12560  
citing authors

#	ARTICLE	IF	CITATIONS
1	ApoE4 reduction: An emerging and promising therapeutic strategy for Alzheimer's disease. <i>Neurobiology of Aging</i> , 2022, 115, 20-28.	1.5	20
2	Clinicopathologic Factors Associated With Reversion to Normal Cognition in Patients With Mild Cognitive Impairment. <i>Neurology</i> , 2022, 98, .	1.5	7
3	ApoE Cascade Hypothesis in the pathogenesis of Alzheimer's disease and related dementias. <i>Neuron</i> , 2022, 110, 1304-1317.	3.8	120
4	TREM2 interacts with TDP-43 and mediates microglial neuroprotection against TDP-43-related neurodegeneration. <i>Nature Neuroscience</i> , 2022, 25, 26-38.	7.1	52
5	Mitophagy alterations in Alzheimer's disease are associated with granulovacuolar degeneration and early tau pathology. <i>Alzheimer's and Dementia</i> , 2021, 17, 417-430.	0.4	34
6	Vascular ApoE4 Impairs Behavior by Modulating Gliovascular Function. <i>Neuron</i> , 2021, 109, 438-447.e6.	3.8	42
7	Generation and validation of APOE knockout human iPSC-derived cerebral organoids. <i>STAR Protocols</i> , 2021, 2, 100571.	0.5	4
8	Apolipoprotein E regulates lipid metabolism and $\beta$ -synuclein pathology in human iPSC-derived cerebral organoids. <i>Acta Neuropathologica</i> , 2021, 142, 807-825.	3.9	25
9	<i>APOE3</i> -Jacksonville (V236E) variant reduces self-aggregation and risk of dementia. <i>Science Translational Medicine</i> , 2021, 13, eabc9375.	5.8	37
10	Preparation of single cell suspensions enriched in mouse brain vascular cells for single-cell RNA sequencing. <i>STAR Protocols</i> , 2021, 2, 100715.	0.5	2
11	Astrocyte-derived clusterin suppresses amyloid formation in vivo. <i>Molecular Neurodegeneration</i> , 2020, 15, 71.	4.4	26
12	Activation of FAK/Rac1/Cdc42 GTPase signaling ameliorates impaired microglial migration response to $A\beta_{42}$ in triggering receptor expressed on myeloid cells 2 loss-of-function murine models. <i>FASEB Journal</i> , 2020, 34, 10984-10997.	0.2	24
13	APOE4 exacerbates synapse loss and neurodegeneration in Alzheimer's disease patient iPSC-derived cerebral organoids. <i>Nature Communications</i> , 2020, 11, 5540.	5.8	172
14	Tau and apolipoprotein E modulate cerebrovascular tight junction integrity independent of cerebral amyloid angiopathy in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, 1372-1383.	0.4	34
15	Alzheimer's Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. <i>Neuron</i> , 2020, 106, 727-742.e6.	3.8	152
16	APOE4 exacerbates $\beta$ -synuclein pathology and related toxicity independent of amyloid. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	90
17	Apolipoprotein E and Alzheimer disease: pathobiology and targeting strategies. <i>Nature Reviews Neurology</i> , 2019, 15, 501-518.	4.9	734
18	Soluble TREM2 ameliorates pathological phenotypes by modulating microglial functions in an Alzheimer's disease model. <i>Nature Communications</i> , 2019, 10, 1365.	5.8	217

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19	5-HT3 Antagonist Ondansetron Increases apoE Secretion by Modulating the LXR-ABCA1 Pathway. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1488.	1.8	14
20	APOE4-mediated amyloid- $\beta^2$ pathology depends on its neuronal receptor LRP1. <i>Journal of Clinical Investigation</i> , 2019, 129, 1272-1277.	3.9	96
21	Apolipoprotein E, Receptors, and Modulation of Alzheimer's Disease. <i>Biological Psychiatry</i> , 2018, 83, 347-357.	0.7	265
22	Behavioral and transcriptomic analysis of Trem2-null mice: not all knockout mice are created equal. <i>Human Molecular Genetics</i> , 2018, 27, 211-223.	1.4	50
23	Pericyte implantation in the brain enhances cerebral blood flow and reduces amyloid- $\beta^2$ pathology in amyloid model mice. <i>Experimental Neurology</i> , 2018, 300, 13-21.	2.0	53
24	Amyloid, tau, pathogen infection and antimicrobial protection in Alzheimer's disease – conformist, nonconformist, and realistic prospects for AD pathogenesis. <i>Translational Neurodegeneration</i> , 2018, 7, 34.	3.6	77
25	APOE $\beta^2$ is associated with increased tau pathology in primary tauopathy. <i>Nature Communications</i> , 2018, 9, 4388.	5.8	100
26	TREM2 Promotes Microglial Survival by Activating Wnt/ $\beta^2$ -Catenin Pathway. <i>Journal of Neuroscience</i> , 2017, 37, 1772-1784.	1.7	242
27	Soluble TREM2 induces inflammatory responses and enhances microglial survival. <i>Journal of Experimental Medicine</i> , 2017, 214, 597-607.	4.2	258
28	Astrocytic LRP1 Mediates Brain $\beta^2$ Clearance and Impacts Amyloid Deposition. <i>Journal of Neuroscience</i> , 2017, 37, 4023-4031.	1.7	175
29	Subacute ibuprofen treatment rescues the synaptic and cognitive deficits in advanced-aged mice. <i>Neurobiology of Aging</i> , 2017, 53, 112-121.	1.5	26
30	Apolipoprotein E4 Impairs Neuronal Insulin Signaling by Trapping Insulin Receptor in the Endosomes. <i>Neuron</i> , 2017, 96, 115-129.e5.	3.8	217
31	ApoE4 Accelerates Early Seeding of Amyloid Pathology. <i>Neuron</i> , 2017, 96, 1024-1032.e3.	3.8	258
32	Loss of clusterin shifts amyloid deposition to the cerebrovasculature via disruption of perivascular drainage pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6962-E6971.	3.3	96
33	Identification of plexin A4 as a novel clusterin receptor links two Alzheimer's disease risk genes. <i>Human Molecular Genetics</i> , 2016, 25, 3467-3475.	1.4	21
34	LRP1 modulates the microglial immune response via regulation of JNK and NF- $\beta$ signaling pathways. <i>Journal of Neuroinflammation</i> , 2016, 13, 304.	3.1	101
35	ABCA7 Deficiency Accelerates Amyloid- $\beta^2$ Generation and Alzheimer's Neuronal Pathology. <i>Journal of Neuroscience</i> , 2016, 36, 3848-3859.	1.7	109
36	Impact of sex and APOE4 on cerebral amyloid angiopathy in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 132, 225-234.	3.9	73

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37	Quercetin stabilizes apolipoprotein E and reduces brain A $\beta$ levels in amyloid model mice. <i>Neuropharmacology</i> , 2016, 108, 179-192.	2.0	52
38	Neuronal heparan sulfates promote amyloid pathology by modulating brain amyloid- $\beta$ clearance and aggregation in Alzheimer's disease. <i>Science Translational Medicine</i> , 2016, 8, 332ra44.	5.8	115
39	Apolipoprotein E lipoprotein particles inhibit amyloid- $\beta$ uptake through cell surface heparan sulphate proteoglycan. <i>Molecular Neurodegeneration</i> , 2016, 11, 37.	4.4	45
40	Rescuing effects of RXR agonist bexarotene on aging-related synapse loss depend on neuronal LRP1. <i>Experimental Neurology</i> , 2016, 277, 1-9.	2.0	50
41	Opposing roles of the triggering receptor expressed on myeloid cells 2 and triggering receptor expressed on myeloid cells-like transcript 2 in microglia activation. <i>Neurobiology of Aging</i> , 2016, 42, 132-141.	1.5	89
42	Vascular Cell Senescence Contributes to Blood-Brain Barrier Breakdown. <i>Stroke</i> , 2016, 47, 1068-1077.	1.0	167
43	Frontotemporal dementia-associated N279K tau mutant disrupts subcellular vesicle trafficking and induces cellular stress in iPSC-derived neural stem cells. <i>Molecular Neurodegeneration</i> , 2015, 10, 46.	4.4	58
44	Opposing effects of viral mediated brain expression of apolipoprotein E2 (apoE2) and apoE4 on apoE lipidation and A $\beta$ metabolism in apoE4-targeted replacement mice. <i>Molecular Neurodegeneration</i> , 2015, 10, 6.	4.4	114
45	TREM2 in CNS homeostasis and neurodegenerative disease. <i>Molecular Neurodegeneration</i> , 2015, 10, 43.	4.4	115
46	Neuronal LRP1 Regulates Glucose Metabolism and Insulin Signaling in the Brain. <i>Journal of Neuroscience</i> , 2015, 35, 5851-5859.	1.7	110
47	Decreased platelet 5-hydroxytryptamin (5-HT) levels: a response to antidepressants. <i>Journal of Affective Disorders</i> , 2015, 187, 84-90.	2.0	27
48	Apolipoprotein E Is a Ligand for Triggering Receptor Expressed on Myeloid Cells 2 (TREM2). <i>Journal of Biological Chemistry</i> , 2015, 290, 26043-26050.	1.6	395
49	Tyrosine-based Signal Mediates LRP6 Receptor Endocytosis and Desensitization of Wnt/ $\beta$ -Catenin Pathway Signaling. <i>Journal of Biological Chemistry</i> , 2014, 289, 27562-27570.	1.6	33
50	Retinoic Acid Isomers Facilitate Apolipoprotein E Production and Lipidation in Astrocytes through the Retinoid X Receptor/Retinoic Acid Receptor Pathway. <i>Journal of Biological Chemistry</i> , 2014, 289, 11282-11292.	1.6	62
51	Deficiency in LRP6-Mediated Wnt Signaling Contributes to Synaptic Abnormalities and Amyloid Pathology in Alzheimer's Disease. <i>Neuron</i> , 2014, 84, 63-77.	3.8	168
52	Apolipoprotein E and Alzheimer disease: risk, mechanisms and therapy. <i>Nature Reviews Neurology</i> , 2013, 9, 106-118.	4.9	2,482