

Hongjun Fu

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,008
citations

236833

25
h-index

243529

44
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49
all docs

49
docs citations

49
times ranked

4757
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal activity enhances tau propagation and tau pathology in vivo. <i>Nature Neuroscience</i> , 2016, 19, 1085-1092.	7.1	569
2	Selective vulnerability in neurodegenerative diseases. <i>Nature Neuroscience</i> , 2018, 21, 1350-1358.	7.1	384
3	Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimer's Disease. <i>Neuron</i> , 2017, 93, 533-541.e5.	3.8	210
4	A tau homeostasis signature is linked with the cellular and regional vulnerability of excitatory neurons to tau pathology. <i>Nature Neuroscience</i> , 2019, 22, 47-56.	7.1	154
5	Environmental Novelty Activates β 2-Adrenergic Signaling to Prevent the Impairment of Hippocampal LTP by $A\beta$ Oligomers. <i>Neuron</i> , 2013, 77, 929-941.	3.8	152
6	scGNN is a novel graph neural network framework for single-cell RNA-Seq analyses. <i>Nature Communications</i> , 2021, 12, 1882.	5.8	139
7	Complement component C3 and complement receptor type 3 contribute to the phagocytosis and clearance of fibrillar $A\beta$ by microglia. <i>Glia</i> , 2012, 60, 993-1003.	2.5	136
8	Bis(7)-tacrine attenuates β 2 amyloid-induced neuronal apoptosis by regulating L-type calcium channels. <i>Journal of Neurochemistry</i> , 2006, 98, 1400-1410.	2.1	99
9	Novel Dimeric Acetylcholinesterase Inhibitor Bis(7)-tacrine, but Not Donepezil, Prevents Glutamate-induced Neuronal Apoptosis by Blocking N-Methyl-d-aspartate Receptors. <i>Journal of Biological Chemistry</i> , 2005, 280, 18179-18188.	1.6	94
10	A shared disease-associated oligodendrocyte signature among multiple CNS pathologies. <i>Nature Neuroscience</i> , 2022, 25, 876-886.	7.1	84
11	Amyloid- β ; Immunotherapy for Alzheimer's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 197-206.	0.8	80
12	scREAD: A Single-Cell RNA-Seq Database for Alzheimer's Disease. <i>IScience</i> , 2020, 23, 101769.	1.9	77
13	Promising anti-Alzheimer's dimer bis(7)-tacrine reduces β 2-amyloid generation by directly inhibiting BACE-1 activity. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 631-636.	1.0	60
14	ϵ -box/ <sc>LRR</sc> repeat protein 7 is genetically associated with Alzheimer's disease. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 810-820.	1.7	54
15	MER5101, a Novel $A\beta$ 1-15:DT Conjugate Vaccine, Generates a Robust Anti- $A\beta$ Antibody Response and Attenuates $A\beta$ Pathology and Cognitive Deficits in APP ^{swe} /PS1 ^{E9} Transgenic Mice. <i>Journal of Neuroscience</i> , 2013, 33, 7027-7037.	1.7	50
16	Synergistic Neuroprotection by Bis(7)-tacrine via Concurrent Blockade of N-Methyl-d-aspartate Receptors and Neuronal Nitric-Oxide Synthase. <i>Molecular Pharmacology</i> , 2007, 71, 1258-1267.	1.0	48
17	Aluminum-induced apoptosis in cultured cortical neurons and its effect on SAPK/JNK signal transduction pathway. <i>Brain Research</i> , 2003, 980, 11-23.	1.1	46
18	Maternal low-level lead exposure reduces the expression of PSA-NCAM and the activity of sialyltransferase in the hippocampi of neonatal rat pups. <i>NeuroToxicology</i> , 2008, 29, 675-681.	1.4	40

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19	ANKRD16 prevents neuron loss caused by an editing-defective tRNA synthetase. <i>Nature</i> , 2018, 557, 510-515.	13.7	37
20	Pathologically Activated Neuroprotection via Uncompetitive Blockade of N-Methyl-d-aspartate Receptors with Fast Off-rate by Novel Multifunctional Dimer Bis(propyl)-cognitin. <i>Journal of Biological Chemistry</i> , 2010, 285, 19947-19958.	1.6	32
21	Effects of low-level organic selenium on lead-induced alterations in neural cell adhesion molecules. <i>Brain Research</i> , 2013, 1530, 76-81.	1.1	32
22	Mitochondrial Proteomic Analysis and Characterization of the Intracellular Mechanisms of Bis(7)-tacrine in Protecting against Glutamate-Induced Excitotoxicity in Primary Cultured Neurons. <i>Journal of Proteome Research</i> , 2007, 6, 2435-2446.	1.8	30
23	Protection against $\text{A}\beta$ -amyloid-induced synaptic and memory impairments via altering $\text{A}\beta$ -amyloid assembly by bis(heptyl)-cognitin. <i>Scientific Reports</i> , 2015, 5, 10256.	1.6	29
24	Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimer's disease. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 696-717.	1.7	28
25	Changes of Mandibular Movement Tracings After the Correction of Mandibular Protrusion by Bilateral Sagittal Split Ramus Osteotomy. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009, 67, 2238-2244.	0.5	27
26	Role of Synaptic Structural Plasticity in Impairments of Spatial Learning and Memory Induced by Developmental Lead Exposure in Wistar Rats. <i>PLoS ONE</i> , 2014, 9, e115556.	1.1	27
27	3D Visualization of the Temporal and Spatial Spread of Tau Pathology Reveals Extensive Sites of Tau Accumulation Associated with Neuronal Loss and Recognition Memory Deficit in Aged Tau Transgenic Mice. <i>PLoS ONE</i> , 2016, 11, e0159463.	1.1	27
28	Neuroprotection via inhibition of nitric oxide synthase by bis(7)-tacrine. <i>NeuroReport</i> , 2006, 17, 471-474.	0.6	25
29	Promising multifunctional anti-Alzheimer's dimer bis(7)-Cognitin acting as an activator of protein kinase C regulates activities of $\text{A}\beta$ -secretase and BACE-1 concurrently. <i>European Journal of Pharmacology</i> , 2009, 623, 14-21.	1.7	24
30	Function of WFS1 and WFS2 in the Central Nervous System: Implications for Wolfram Syndrome and Alzheimer's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 775-783.	2.9	22
31	An update on the association between traumatic brain injury and Alzheimer's disease: Focus on Tau pathology and synaptic dysfunction. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 120, 372-386.	2.9	22
32	Wolframin is a novel regulator of tau pathology and neurodegeneration. <i>Acta Neuropathologica</i> , 2022, 143, 547-569.	3.9	22
33	Low-level lead exposure attenuates the expression of three major isoforms of neural cell adhesion molecule. <i>NeuroToxicology</i> , 2011, 32, 255-260.	1.4	20
34	Effects of selenium on lead-induced alterations in $\text{A}\beta$ production and Bcl-2 family proteins. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 221-228.	2.0	18
35	Novel dimeric bis(7)-tacrine proton-dependently inhibits NMDA-activated currents. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 505-509.	1.0	17
36	Mecamylamine prevents neuronal apoptosis induced by glutamate and low potassium via differential anticholinergic-independent mechanisms. <i>Neuropharmacology</i> , 2008, 54, 755-765.	2.0	14

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37	Bis(7)-tacrine prevents glutamate-induced excitotoxicity more potently than memantine by selectively inhibiting NMDA receptors. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1007-1011.	1.0	14
38	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. <i>Science Advances</i> , 2020, 6, .	4.7	14
39	Microglia Do Not Take Up Soluble Amyloid-beta Peptides, But Partially Degrade Them by Secreting Insulin-degrading Enzyme. <i>Neuroscience</i> , 2020, 443, 30-43.	1.1	14
40	Promising tacrine/huperzine A-based dimeric acetylcholinesterase inhibitors for neurodegenerative disorders: From relieving symptoms to modifying diseases through multitarget. <i>Journal of Neurochemistry</i> , 2021, 158, 1381-1393.	2.1	13
41	Use of scREAD to explore and analyze single-cell and single-nucleus RNA-seq data for Alzheimer's disease. <i>STAR Protocols</i> , 2021, 2, 100513.	0.5	3
42	Deficiency of WFS1 increases vulnerability to pathological tau in vitro and in vivo. <i>Alzheimer's and Dementia</i> , 2020, 16, e042085.	0.4	1
43	Spatial transcriptomics of human middle temporal gyrus reveals layer-specific gene expression in early Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, e050540.	0.4	1
44	O20104: CELL TYPE-SPECIFIC TAU HOMEOSTASIS SIGNATURES ASSOCIATED WITH SELECTIVE VULNERABILITY OF EXCITATORY NEURONS TO TAU PATHOLOGY. <i>Alzheimer's and Dementia</i> , 2018, 14, P609.	0.4	0
45	One-Compound-Multi-Targets at Amyloid β^2 Cascade Offered By Bis(7)-Cognitin, a Novel Anti-Alzheimer's Dimer. , 2010, , 165-183.		0