Hongjun Fu

List of Publications by Year
in descending order

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45	3,008	236833	243529
papers	citations	25 h-index	44 g-index

49	49	49	4757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling neurodegenerative diseases with cerebral organoids and other three-dimensional culture systems: focus on Alzheimerâ€™s disease. Stem Cell Reviews and Reports, 2022, 18, 696-717.	1.7	28
2	Wolframin is a novel regulator of tau pathology and neurodegeneration. Acta Neuropathologica, 2022, 143, 547-569.	3.9	22
3	A shared disease-associated oligodendrocyte signature among multiple CNS pathologies. Nature Neuroscience, 2022, 25, 876-886.	7.1	84
4	An update on the association between traumatic brain injury and Alzheimerâ€™s disease: Focus on Tau pathology and synaptic dysfunction. Neuroscience and Biobehavioral Reviews, 2021, 120, 372-386.	2.9	22
5	scGNN is a novel graph neural network framework for single-cell RNA-Seq analyses. Nature Communications, 2021, 12, 1882.	5.8	139
6	Use of scREAD to explore and analyze single-cell and single-nucleus RNA-seq data for Alzheimerâ€™s disease. STAR Protocols, 2021, 2, 100513.	0.5	3
7	Promising tacrine/huperzine Aâ€based dimeric acetylcholinesterase inhibitors for neurodegenerative disorders: From relieving symptoms to modifying diseases through multitarget. Journal of Neurochemistry, 2021, 158, 1381-1393.	2.1	13
8	Spatial transcriptomics of human middle temporal gyrus reveals layerâ€specific gene expression in early Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, e050540.	0.4	1
9	Atrophy associated with tau pathology precedes overt cell death in a mouse model of progressive tauopathy. Science Advances, 2020, 6, .	4.7	14
10	Function of WFS1 and WFS2 in the Central Nervous System: Implications for Wolfram Syndrome and Alzheimerâ€™s disease. Neuroscience and Biobehavioral Reviews, 2020, 118, 775-783.	2.9	22
11	Microglia Do Not Take Up Soluble Amyloid-beta Peptides, But Partially Degrade Them by Secreting Insulin-degrading Enzyme. Neuroscience, 2020, 443, 30-43.	1.1	14
12	scREAD: A Single-Cell RNA-Seq Database for Alzheimer's Disease. IScience, 2020, 23, 101769.	1.9	77
13	Deficiency of WFS1 increases vulnerability to pathological tau in vitro and in vivo. Alzheimer's and Dementia, 2020, 16, e042085.	0.4	1
14	A tau homeostasis signature is linked with the cellular and regional vulnerability of excitatory neurons to tau pathology. Nature Neuroscience, 2019, 22, 47-56.	7.1	154
15	Selective vulnerability in neurodegenerative diseases. Nature Neuroscience, 2018, 21, 1350-1358.	7.1	384
16	O2â€01â€04: CELL TYPEâ€“SPECIFIC TAU HOMEOSTASIS SIGNATURES ASSOCIATED WITH SELECTIVE VULNERABILITY OF EXCITATORY NEURONS TO TAU PATHOLOGY. Alzheimer's and Dementia, 2018, 14, P609.	0.4	0
17	ANKRD16 prevents neuron loss caused by an editing-defective tRNA synthetase. Nature, 2018, 557, 510-515.	13.7	37
18	Tau Pathology Induces Excitatory Neuron Loss, Grid Cell Dysfunction, and Spatial Memory Deficits Reminiscent of Early Alzheimerâ€™s Disease. Neuron, 2017, 93, 533-541.e5.	3.8	210

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19	Neuronal activity enhances tau propagation and tau pathology in vivo. Nature Neuroscience, 2016, 19, 1085-1092.	7.1	569
20	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. PLoS ONE, 2016, 11, e0159463.	1.1	27
21	Fâ€box/ <scp>LRR</scp> â€repeat protein 7 is genetically associated with Alzheimer's disease. Annals of Clinical and Translational Neurology, 2015, 2, 810-820.	1.7	54
22	Protection against Î²-amyloid-induced synaptic and memory impairments via altering Î²-amyloid assembly by bis(heptyl)-cognitin. Scientific Reports, 2015, 5, 10256.	1.6	29
23	Effects of selenium on lead-induced alterations in AÎ² production and Bcl-2 family proteins. Environmental Toxicology and Pharmacology, 2015, 39, 221-228.	2.0	18
24	Role of Synaptic Structural Plasticity in Impairments of Spatial Learning and Memory Induced by Developmental Lead Exposure in Wistar Rats. PLoS ONE, 2014, 9, e115556.	1.1	27
25	Effects of low-level organic selenium on lead-induced alterations in neural cell adhesion molecules. Brain Research, 2013, 1530, 76-81.	1.1	32
26	Environmental Novelty Activates Î²2-Adrenergic Signaling to Prevent the Impairment of Hippocampal LTP by AÎ² Oligomers. Neuron, 2013, 77, 929-941.	3.8	152
27	MER5101, a Novel AÎ²1-15:DT Conjugate Vaccine, Generates a Robust Anti-AÎ² Antibody Response and Attenuates AÎ² Pathology and Cognitive Deficits in APPswe/PS1Î”E9 Transgenic Mice. Journal of Neuroscience, 2013, 33, 7027-7037.	1.7	50
28	Complement component C3 and complement receptor type 3 contribute to the phagocytosis and clearance of fibrillar AÎ² by microglia. Glia, 2012, 60, 993-1003.	2.5	136
29	Low-level lead exposure attenuates the expression of three major isoforms of neural cell adhesion molecule. NeuroToxicology, 2011, 32, 255-260.	1.4	20
30	Amyloid-β Immunotherapy for Alzheimers Disease. CNS and Neurological Disorders - Drug Targets, 2010, 9, 197-206.	0.8	80
31	Pathologically Activated Neuroprotection via Uncompetitive Blockade of N-Methyl-d-aspartate Receptors with Fast Off-rate by Novel Multifunctional Dimer Bis(propyl)-cognitin. Journal of Biological Chemistry, 2010, 285, 19947-19958.	1.6	32
32	One-Compound-Multi-Targets at Amyloid Î² Cascade Offered By Bis(7)-Cognitin, a Novel Anti-Alzheimerâ€™s Dimer. , 2010, , 165-183.		0
33	Changes of Mandibular Movement Tracings After the Correction of Mandibular Protrusion by Bilateral Sagittal Split Ramus Osteotomy. Journal of Oral and Maxillofacial Surgery, 2009, 67, 2238-2244.	0.5	27
34	Promising multifunctional anti-Alzheimer's dimer bis(7)-Cognitin acting as an activator of protein kinase C regulates activities of Î±-secretase and BACE-1 concurrently. European Journal of Pharmacology, 2009, 623, 14-21.	1.7	24
35	Maternal low-level lead exposure reduces the expression of PSA-NCAM and the activity of sialyltransferase in the hippocampi of neonatal rat pups. NeuroToxicology, 2008, 29, 675-681.	1.4	40
36	Mecamylamine prevents neuronal apoptosis induced by glutamate and low potassium via differential anticholinergic-independent mechanisms. Neuropharmacology, 2008, 54, 755-765.	2.0	14

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37	Promising anti-Alzheimerâ€™s dimer bis(7)-tacrine reduces Î²-amyloid generation by directly inhibiting BACE-1 activity. Biochemical and Biophysical Research Communications, 2008, 366, 631-636.	1.0	60
38	Bis(7)-tacrine prevents glutamate-induced excitotoxicity more potently than memantine by selectively inhibiting NMDA receptors. Biochemical and Biophysical Research Communications, 2008, 369, 1007-1011.	1.0	14
39	Synergistic Neuroprotection by Bis(7)-tacrine via Concurrent Blockade of N-Methyl-d-aspartate Receptors and Neuronal Nitric-Oxide Synthase. Molecular Pharmacology, 2007, 71, 1258-1267.	1.0	48
40	Novel dimeric bis(7)-tacrine proton-dependently inhibits NMDA-activated currents. Biochemical and Biophysical Research Communications, 2007, 361, 505-509.	1.0	17
41	Mitochondrial Proteomic Analysis and Characterization of the Intracellular Mechanisms of Bis(7)-tacrine in Protecting against Glutamate-Induced Excitotoxicity in Primary Cultured Neurons. Journal of Proteome Research, 2007, 6, 2435-2446.	1.8	30
42	Neuroprotection via inhibition of nitric oxide synthase by bis(7)-tacrine. NeuroReport, 2006, 17, 471-474.	0.6	25
43	Bis(7)-tacrine attenuates Î² amyloid-induced neuronal apoptosis by regulating L-type calcium channels. Journal of Neurochemistry, 2006, 98, 1400-1410.	2.1	99
44	Novel Dimeric Acetylcholinesterase Inhibitor Bis(7)-tacrine, but Not Donepezil, Prevents Glutamate-induced Neuronal Apoptosis by Blocking N-Methyl-d-aspartate Receptors. Journal of Biological Chemistry, 2005, 280, 18179-18188.	1.6	94
45	Aluminum-induced apoptosis in cultured cortical neurons and its effect on SAPK/JNK signal transduction pathway. Brain Research, 2003, 980, 11-23.	1.1	46