Jie Shen

List of Publications by Year
in descending order

33	1,772	331538	434063
papers	citations	21 h-index	31 g-index

37	37	37	4787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulation of gene expression by the APP family in the adult cerebral cortex. Scientific Reports, 2022, 12, 66.	1.6	8
2	Motor Impairments and Dopaminergic Defects Caused by Loss of Leucine-Rich Repeat Kinase Function in Mice. Journal of Neuroscience, 2022, 42, 4755-4765.	1.7	6
3	Three-dimensional nanolithography guided by DNA modular epitaxy. Nature Materials, 2021, 20, 683-690.	13.3	29
4	Inactivation of Presenilin in inhibitory neurons results in decreased GABAergic responses and enhanced synaptic plasticity. Molecular Brain, 2021, 14, 85.	1.3	4
5	Protocols for assessing neurodegenerative phenotypes in Alzheimerâ€™s mouse models. STAR Protocols, 2021, 2, 100654.	0.5	8
6	Differential modulation of short-term plasticity at hippocampal mossy fiber and Schaffer collateral synapses by mitochondrial Ca2+. PLoS ONE, 2020, 15, e0240610.	1.1	0
7	APP Family Regulates Neuronal Excitability and Synaptic Plasticity but Not Neuronal Survival. Neuron, 2020, 108, 676-690.e8.	3.8	51
8	Precise pitch-scaling of carbon nanotube arrays within three-dimensional DNA nanotrenches. Science, 2020, 368, 874-877.	6.0	97
9	3D Freestanding DNA Nanostructure Hybrid as a Low-Density High-Strength Material. ACS Nano, 2020, 14, 6582-6588.	7.3	12
10	Adult hippocampal neurogenesis occurs in the absence of Presenilin 1 and Presenilin 2. Scientific Reports, 2018, 8, 17931.	1.6	7
11	Presenilin-1 mutations and Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 629-631.	3.3	164
12	An Evolutionarily Conserved Role of Presenilin in Neuronal Protection in the Aging Drosophila Brain. Genetics, 2017, 206, 1479-1493.	1.2	19
13	Age-Dependent Dopaminergic Neurodegeneration and Impairment of the Autophagy-Lysosomal Pathway in LRRK-Deficient Mice. Neuron, 2017, 96, 796-807.e6.	3.8	100
14	Dominant negative mechanism of Presenilin-1 mutations in FAD. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12635-12637.	3.3	13
15	Presenilins regulate synaptic plasticity and mitochondrial calcium homeostasis in the hippocampal mossy fiber pathway. Molecular Neurodegeneration, 2017, 12, 48.	4.4	22
16	CRTC1 mediates preferential transcription at neuronal activity-regulated CRE/TATA promoters. Scientific Reports, 2017, 7, 18004.	1.6	30
17	Confined Growth of Metal Nanoparticles Within 3D DNA Origami Molds. Methods in Molecular Biology, 2017, 1500, 237-244.	0.4	0
18	Loss of AÎ²43 Production Caused by Presenilin-1 Mutations in the Knockin Mouse Brain. Neuron, 2016, 90, 417-422.	3.8	30

#	Article	IF	Citations
19	Programmably Shaped Carbon Nanostructure from Shape-Conserving Carbonization of DNA. ACS Nano, 2016, 10, 3069-3077.	7.3	37
20	A chemical genetic approach to probe the function of PINK1 in regulating mitochondrial dynamics. Cell Research, 2015, 25, 394-397.	5.7	12
21	Presenilin-1 Knockin Mice Reveal Loss-of-Function Mechanism for Familial Alzheimerâ€™s Disease. Neuron, 2015, 85, 967-981.	3.8	190
22	Parkin Regulates Mitosis and Genomic Stability through Cdc20/Cdh1. Molecular Cell, 2015, 60, 21-34.	4.5	74
23	Synaptic function of nicastrin in hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8973-8978.	3.3	27
24	Function and Dysfunction of Presenilin. Neurodegenerative Diseases, 2014, 13, 61-63.	0.8	32
25	Partial Loss of Presenilin Impairs Age-Dependent Neuronal Survival in the Cerebral Cortex. Journal of Neuroscience, 2014, 34, 15912-15922.	1.7	35
26	PINK1 Triggers Autocatalytic Activation of Parkin to Specify Cell Fate Decisions. Current Biology, 2014, 24, 1854-1865.	1.8	83
27	Brain region specific mitophagy capacity could contribute to selective neuronal vulnerability in Parkinson's disease. Proteome Science, 2011, 9, 59.	0.7	34
28	Impaired Neurotransmitter Release in Alzheimerâ€™s and Parkinsonâ€™s Diseases. Neurodegenerative Diseases, 2010, 7, 80-83.	0.8	31
29	The presenilin hypothesis of Alzheimer's disease: Evidence for a loss-of-function pathogenic mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 403-409.	3.3	416
30	Mitochondria and Dopamine. Neuron, 2004, 43, 301-304.	3.8	104
31	Protein Kinases Linked to the Pathogenesis of Parkinson's Disease. Neuron, 2004, 44, 575-577.	3.8	56
32	Heterogeneous populations of ES cells in the generation of a floxedPresenilin-1 allele. Genesis, 2000, 26, 5-8.	0.8	28
33	Role of Presenilinâ€1 in Murine Neural Development. Annals of the New York Academy of Sciences, 2000, 920, 165-170.	1.8	13