

Jie Shen

List of Publications by Year in descending order

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33
papers

1,772
citations

331538

21
h-index

434063

31
g-index

37
all docs

37
docs citations

37
times ranked

4787
citing authors

#	ARTICLE	IF	CITATIONS
1	The presenilin hypothesis of Alzheimer's disease: Evidence for a loss-of-function pathogenic mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 403-409.	3.3	416
2	Presenilin-1 Knockin Mice Reveal Loss-of-Function Mechanism for Familial Alzheimer's Disease. <i>Neuron</i> , 2015, 85, 967-981.	3.8	190
3	Presenilin-1 mutations and Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 629-631.	3.3	164
4	Mitochondria and Dopamine. <i>Neuron</i> , 2004, 43, 301-304.	3.8	104
5	Age-Dependent Dopaminergic Neurodegeneration and Impairment of the Autophagy-Lysosomal Pathway in LRRK-Deficient Mice. <i>Neuron</i> , 2017, 96, 796-807.e6.	3.8	100
6	Precise pitch-scaling of carbon nanotube arrays within three-dimensional DNA nanotrenches. <i>Science</i> , 2020, 368, 874-877.	6.0	97
7	PINK1 Triggers Autocatalytic Activation of Parkin to Specify Cell Fate Decisions. <i>Current Biology</i> , 2014, 24, 1854-1865.	1.8	83
8	Parkin Regulates Mitosis and Genomic Stability through Cdc20/Cdh1. <i>Molecular Cell</i> , 2015, 60, 21-34.	4.5	74
9	Protein Kinases Linked to the Pathogenesis of Parkinson's Disease. <i>Neuron</i> , 2004, 44, 575-577.	3.8	56
10	APP Family Regulates Neuronal Excitability and Synaptic Plasticity but Not Neuronal Survival. <i>Neuron</i> , 2020, 108, 676-690.e8.	3.8	51
11	Programmably Shaped Carbon Nanostructure from Shape-Conserving Carbonization of DNA. <i>ACS Nano</i> , 2016, 10, 3069-3077.	7.3	37
12	Partial Loss of Presenilin Impairs Age-Dependent Neuronal Survival in the Cerebral Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 15912-15922.	1.7	35
13	Brain region specific mitophagy capacity could contribute to selective neuronal vulnerability in Parkinson's disease. <i>Proteome Science</i> , 2011, 9, 59.	0.7	34
14	Function and Dysfunction of Presenilin. <i>Neurodegenerative Diseases</i> , 2014, 13, 61-63.	0.8	32
15	Impaired Neurotransmitter Release in Alzheimer's and Parkinson's Diseases. <i>Neurodegenerative Diseases</i> , 2010, 7, 80-83.	0.8	31
16	Loss of A β 43 Production Caused by Presenilin-1 Mutations in the Knockin Mouse Brain. <i>Neuron</i> , 2016, 90, 417-422.	3.8	30
17	CRTC1 mediates preferential transcription at neuronal activity-regulated CRE/TATA promoters. <i>Scientific Reports</i> , 2017, 7, 18004.	1.6	30
18	Three-dimensional nanolithography guided by DNA modular epitaxy. <i>Nature Materials</i> , 2021, 20, 683-690.	13.3	29

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19	Heterogeneous populations of ES cells in the generation of a floxed Presenilin-1 allele. <i>Genesis</i> , 2000, 26, 5-8.	0.8	28
20	Synaptic function of nicastrin in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8973-8978.	3.3	27
21	Presenilins regulate synaptic plasticity and mitochondrial calcium homeostasis in the hippocampal mossy fiber pathway. <i>Molecular Neurodegeneration</i> , 2017, 12, 48.	4.4	22
22	An Evolutionarily Conserved Role of Presenilin in Neuronal Protection in the Aging <i>Drosophila</i> Brain. <i>Genetics</i> , 2017, 206, 1479-1493.	1.2	19
23	Role of Presenilin-1 in Murine Neural Development. <i>Annals of the New York Academy of Sciences</i> , 2000, 920, 165-170.	1.8	13
24	Dominant negative mechanism of Presenilin-1 mutations in FAD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12635-12637.	3.3	13
25	A chemical genetic approach to probe the function of PINK1 in regulating mitochondrial dynamics. <i>Cell Research</i> , 2015, 25, 394-397.	5.7	12
26	3D Freestanding DNA Nanostructure Hybrid as a Low-Density High-Strength Material. <i>ACS Nano</i> , 2020, 14, 6582-6588.	7.3	12
27	Protocols for assessing neurodegenerative phenotypes in Alzheimer's mouse models. <i>STAR Protocols</i> , 2021, 2, 100654.	0.5	8
28	Regulation of gene expression by the APP family in the adult cerebral cortex. <i>Scientific Reports</i> , 2022, 12, 66.	1.6	8
29	Adult hippocampal neurogenesis occurs in the absence of Presenilin 1 and Presenilin 2. <i>Scientific Reports</i> , 2018, 8, 17931.	1.6	7
30	Motor Impairments and Dopaminergic Defects Caused by Loss of Leucine-Rich Repeat Kinase Function in Mice. <i>Journal of Neuroscience</i> , 2022, 42, 4755-4765.	1.7	6
31	Inactivation of Presenilin in inhibitory neurons results in decreased GABAergic responses and enhanced synaptic plasticity. <i>Molecular Brain</i> , 2021, 14, 85.	1.3	4
32	Differential modulation of short-term plasticity at hippocampal mossy fiber and Schaffer collateral synapses by mitochondrial Ca ²⁺ . <i>PLoS ONE</i> , 2020, 15, e0240610.	1.1	0
33	Confined Growth of Metal Nanoparticles Within 3D DNA Origami Molds. <i>Methods in Molecular Biology</i> , 2017, 1500, 237-244.	0.4	0