

Binggui Sun

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,702
citations

394421

19
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

4731
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversing EphB2 depletion rescues cognitive functions in Alzheimer model. <i>Nature</i> , 2011, 469, 47-52.	27.8	371
2	Anti-amyloidogenic and Neuroprotective Functions of Cathepsin B: Implications for Alzheimer's Disease. <i>Neuron</i> , 2006, 51, 703-714.	8.1	362
3	Microglia mediate forgetting via complement-dependent synaptic elimination. <i>Science</i> , 2020, 367, 688-694.	12.6	351
4	Progranulin deficiency promotes neuroinflammation and neuron loss following toxin-induced injury. <i>Journal of Clinical Investigation</i> , 2012, 122, 3955-3959.	8.2	248
5	CX3CR1 Protein Signaling Modulates Microglial Activation and Protects against Plaque-independent Cognitive Deficits in a Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2011, 286, 32713-32722.	3.4	225
6	Cystatin C-Cathepsin B Axis Regulates Amyloid Beta Levels and Associated Neuronal Deficits in an Animal Model of Alzheimer's Disease. <i>Neuron</i> , 2008, 60, 247-257.	8.1	196
7	Imbalance between GABAergic and Glutamatergic Transmission Impairs Adult Neurogenesis in an Animal Model of Alzheimer's Disease. <i>Cell Stem Cell</i> , 2009, 5, 624-633.	11.1	180
8	Cathepsin B Degrades Amyloid- β in Mice Expressing Wild-type Human Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 39834-39841.	3.4	93
9	Amyloid β oligomers suppress excitatory transmitter release via presynaptic depletion of phosphatidylinositol-4,5-bisphosphate. <i>Nature Communications</i> , 2019, 10, 1193.	12.8	92
10	Selective targeting of microglia by quantum dots. <i>Journal of Neuroinflammation</i> , 2012, 9, 22.	7.2	64
11	Plasma Exosomes Spread and Cluster Around β -Amyloid Plaques in an Animal Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 12.	3.4	57
12	The neuroprotective role of metformin in advanced glycation end product treated human neural stem cells is AMPK-dependent. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 720-731.	3.8	55
13	New insight into Alzheimer's disease: Light reverses A β -obstructed interstitial fluid flow and ameliorates memory decline in APP/PS1 mice. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 671-684.	3.7	51
14	Physiological roles of prolactin-releasing peptide. <i>Regulatory Peptides</i> , 2005, 126, 27-33.	1.9	49
15	Down-regulated expression of microRNA-338-5p contributes to neuropathology in Alzheimer's disease. <i>FASEB Journal</i> , 2019, 33, 4404-4417.	0.5	46
16	Ogt controls neural stem/progenitor cell pool and adult neurogenesis through modulating Notch signaling. <i>Cell Reports</i> , 2021, 34, 108905.	6.4	44
17	Ablating ErbB4 in PV neurons attenuates synaptic and cognitive deficits in an animal model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2017, 106, 171-180.	4.4	42
18	Illumination with 630-nm Red Light Reduces Oxidative Stress and Restores Memory by Photo-Activating Catalase and Formaldehyde Dehydrogenase in SAMP8 Mice. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1432-1449.	5.4	26

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19	Amyloid β^2 Is Not the Major Factor Accounting for Impaired Adult Hippocampal Neurogenesis in Mice Overexpressing Amyloid Precursor Protein. <i>Stem Cell Reports</i> , 2016, 7, 707-718.	4.8	21
20	Modulating adult neurogenesis affects synaptic plasticity and cognitive functions in mouse models of Alzheimer's disease. <i>Stem Cell Reports</i> , 2021, 16, 3005-3019.	4.8	21
21	Ablating Adult Neural Stem Cells Improves Synaptic and Cognitive Functions in Alzheimer Models. <i>Stem Cell Reports</i> , 2021, 16, 89-105.	4.8	18
22	Exosomes Secreted from HEK293-APP Swe/Ind Cells Impair the Hippocampal Neurogenesis. <i>Neurotoxicity Research</i> , 2017, 32, 82-93.	2.7	17
23	The neuroprotective effects of Chinese bayberry leaves proanthocyanidins. <i>Journal of Functional Foods</i> , 2018, 40, 554-563.	3.4	15
24	Early Activation of Astrocytes does not Affect Amyloid Plaque Load in an Animal Model of Alzheimer's Disease. <i>Neuroscience Bulletin</i> , 2018, 34, 912-920.	2.9	11
25	Estrogen suppresses the stress response of prolactin-releasing peptide-producing cells. <i>Neuroscience Letters</i> , 2005, 380, 311-315.	2.1	9
26	Manipulation of Gene Expression in the Central Nervous System with Lentiviral Vectors. <i>Methods in Molecular Biology</i> , 2010, 670, 155-168.	0.9	9
27	Brain-specific ablation of Efr3a promotes adult hippocampal neurogenesis via the brain-derived neurotrophic factor pathway. <i>FASEB Journal</i> , 2017, 31, 2104-2113.	0.5	8
28	Nicotine stimulates prolactin-releasing peptide (PrRP) cells and non-PrRP cells in the solitary nucleus. <i>Regulatory Peptides</i> , 2005, 126, 91-96.	1.9	7
29	Enhanced Expression of Markers for Astrocytes in the Brain of a Line of GFAP-TK Transgenic Mice. <i>Frontiers in Neuroscience</i> , 2017, 11, 212.	2.8	7
30	Tet1 Regulates Astrocyte Development and Cognition of Mice Through Modulating GluA1. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 644375.	3.7	4
31	Blockade of PrRP attenuates MPTP-induced toxicity in mice. <i>Peptides</i> , 2009, 30, 1267-1275.	2.4	1
32	Response to questioning the evidence for a Janus-faced nature of adult neurogenesis in Alzheimer's disease. <i>Stem Cell Reports</i> , 2021, 16, 1649-1651.	4.8	1