

Heejung Chun

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,591
citations

567281

15
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

2393
citing authors

#	ARTICLE	IF	CITATIONS
1	GABA from reactive astrocytes impairs memory in mouse models of Alzheimer's disease. <i>Nature Medicine</i> , 2014, 20, 886-896.	30.7	577
2	Severe reactive astrocytes precipitate pathological hallmarks of Alzheimer's disease via H ₂ O ₂ production. <i>Nature Neuroscience</i> , 2020, 23, 1555-1566.	14.8	154
3	Glial GABA, synthesized by monoamine oxidase B, mediates tonic inhibition. <i>Journal of Physiology</i> , 2014, 592, 4951-4968.	2.9	145
4	Newly developed reversible MAO-B inhibitor circumvents the shortcomings of irreversible inhibitors in Alzheimer's disease. <i>Science Advances</i> , 2019, 5, eaav0316.	10.3	130
5	Reactive astrocytes in Alzheimer's disease: A double-edged sword. <i>Neuroscience Research</i> , 2018, 126, 44-52.	1.9	129
6	The Brain-Enriched MicroRNA miR-9-3p Regulates Synaptic Plasticity and Memory. <i>Journal of Neuroscience</i> , 2016, 36, 8641-8652.	3.6	82
7	Activation of Astrocytic μ -Opioid Receptor Causes Conditioned Place Preference. <i>Cell Reports</i> , 2019, 28, 1154-1166.e5.	6.4	71
8	Channel-mediated astrocytic glutamate modulates hippocampal synaptic plasticity by activating postsynaptic NMDA receptors. <i>Molecular Brain</i> , 2015, 8, 7.	2.6	64
9	Elucidating the Interactive Roles of Glia in Alzheimer's Disease Using Established and Newly Developed Experimental Models. <i>Frontiers in Neurology</i> , 2018, 9, 797.	2.4	44
10	Astrocytic proBDNF and Tonic GABA Distinguish Active versus Reactive Astrocytes in Hippocampus. <i>Experimental Neurobiology</i> , 2018, 27, 155-170.	1.6	39
11	Astrocytes Render Memory Flexible by Releasing D-Serine and Regulating NMDA Receptor Tone in the Hippocampus. <i>Biological Psychiatry</i> , 2022, 91, 740-752.	1.3	30
12	Astrocytic water channel aquaporin-4 modulates brain plasticity in both mice and humans: a potential gliogenetic mechanism underlying language-associated learning. <i>Molecular Psychiatry</i> , 2018, 23, 1021-1030.	7.9	27
13	Ultra-sensitive detection of brain-derived neurotrophic factor (BDNF) in the brain of freely moving mice using an interdigitated microelectrode (IME) biosensor. <i>Scientific Reports</i> , 2016, 6, 33694.	3.3	24
14	Astrocyte Specificity and Coverage of hGFAP-CreERT2 [Tg(GFAP-Cre/ERT2)13Kdmc] Mouse Line in Various Brain Regions. <i>Experimental Neurobiology</i> , 2018, 27, 508-525.	1.6	23
15	Inhibition of monoamine oxidase B prevents reactive astrogliosis and scar formation in stab wound injury model. <i>Glia</i> , 2022, 70, 354-367.	4.9	20
16	Functional Characterization of Resting and Adenovirus-Induced Reactive Astrocytes in Three-Dimensional Culture. <i>Experimental Neurobiology</i> , 2017, 26, 158-167.	1.6	15
17	Longitudinal intravital imaging of cerebral microinfarction reveals a dynamic astrocyte reaction leading to glial scar formation. <i>Glia</i> , 2022, 70, 975-988.	4.9	7
18	Dynamic Changes in the Bridging Collaterals of the Basal Ganglia Circuitry Control Stress-Related Behaviors in Mice. <i>Molecules and Cells</i> , 2020, 43, 360-372.	2.6	0