Chu Chen

List of Publications by Year
in descending order

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46	3,771	126907	223800
papers	citations	33 h-index	46 g-index

49	49	49	4733
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing endocannabinoid signalling in astrocytes promotes recovery from traumatic brain injury. Brain, 2022, 145, 179-193.	7.6	18
2	Endocannabinoid metabolism and Alzheimerâ€™s disease. Neural Regeneration Research, 2022, 17, 1987.	3.0	4
3	TDP-43 drives synaptic and cognitive deterioration following traumatic brain injury. Acta Neuropathologica, 2022, 144, 187-210.	7.7	20
4	Inhibition of 2-Arachidonoylglycerol Metabolism Alleviates Neuropathology and Improves Cognitive Function in a Tau Mouse Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 4122-4133.	4.0	23
5	Endocannabinoid Metabolism and Traumatic Brain Injury. Cells, 2021, 10, 2979.	4.1	9
6	A novel mechanism of synaptic and cognitive impairments mediated via microRNA-30b in Alzheimer's disease. EBioMedicine, 2019, 39, 409-421.	6.1	60
7	Downâ€regulated expression of microRNAâ€338â€5p contributes to neuropathology in Alzheimer's disease. FASEB Journal, 2019, 33, 4404-4417.	0.5	46
8	Alleviation of Neuropathology by Inhibition of Monoacylglycerol Lipase in APP Transgenic Mice Lacking CB2 Receptors. Molecular Neurobiology, 2018, 55, 4802-4810.	4.0	29
9	Hypoxia inducible factors in hepatocellular carcinoma. Oncotarget, 2017, 8, 46691-46703.	1.8	113
10	Endocannabinoid metabolism in neurodegenerative diseases. Neuroimmunology and Neuroinflammation, 2016, 3, 268.	1.4	7
11	Fine-tuning of synaptic upscaling at excitatory synapses by endocannabinoid signaling is mediated via the CB1 receptor. Scientific Reports, 2015, 5, 16257.	3.3	11
12	Genome-wide Geneâ€“Asbestos Exposure Interaction Association Study Identifies a Common Susceptibility Variant on 22q13.31 Associated with Lung Cancer Risk. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 1564-1573.	2.5	21
13	Inhibition of Monoacylglycerol Lipase Prevents Chronic Traumatic Encephalopathy-like Neuropathology in a Mouse Model of Repetitive Mild Closed Head Injury. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 443-453.	4.3	72
14	Endocannabinoids in Synaptic Plasticity and Neuroprotection. Neuroscientist, 2015, 21, 152-168.	3.5	95
15	Homeostatic regulation of brain functions by endocannabinoid signaling. Neural Regeneration Research, 2015, 10, 691.	3.0	11
16	Synaptic and Cognitive Improvements by Inhibition of 2-AG Metabolism Are through Upregulation of MicroRNA-188-3p in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2014, 34, 14919-14933.	3.6	111
17	Î”9-THC-Caused Synaptic and Memory Impairments Are Mediated through COX-2 Signaling. Cell, 2013, 155, 1154-1165.	28.9	166
18	Neurodevelopmental Role for VGLUT2 in Pyramidal Neuron Plasticity, Dendritic Refinement, and in Spatial Learning. Journal of Neuroscience, 2012, 32, 15886-15901.	3.6	52

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19	Monoacylglycerol Lipase Is a Therapeutic Target for Alzheimer's Disease. Cell Reports, 2012, 2, 1329-1339.	6.4	219
20	Longâ€lasting potentiation of hippocampal synaptic transmission by direct cortical input is mediated via endocannabinoids. Journal of Physiology, 2012, 590, 2305-2315.	2.9	41
21	Inhibition of COXâ€2 expression by endocannabinoid 2â€arachidonoylglycerol is mediated via PPARâ€Î³. British Journal of Pharmacology, 2011, 163, 1533-1549.	5.4	100
22	Reduced expression of glutamate receptors and phosphorylation of CREB are responsible for in vivoÎ”9â€THC exposureâ€impaired hippocampal synaptic plasticity. Journal of Neurochemistry, 2010, 112, 691-702.	3.9	76
23	COX-2's new role in inflammation. Nature Chemical Biology, 2010, 6, 401-402.	8.0	102
24	Endocannabinoids Differentially Modulate Synaptic Plasticity in Rat Hippocampal CA1 Pyramidal Neurons. PLoS ONE, 2010, 5, e10306.	2.5	33
25	Anandamide potentiation of miniature spontaneous excitatory synaptic transmission is mediated via IP3 pathway. Neurochemistry International, 2010, 56, 590-596.	3.8	12
26	Altered hippocampal longâ€term synaptic plasticity in mice deficient in the PGE2 EP2 receptor. Journal of Neurochemistry, 2009, 108, 295-304.	3.9	54
27	Long-term potentiation at hippocampal perforant path-dentate astrocyte synapses. Biochemical and Biophysical Research Communications, 2009, 383, 326-330.	2.1	10
28	COX-2 oxidative metabolism of endocannabinoids augments hippocampal synaptic plasticity. Molecular and Cellular Neurosciences, 2008, 37, 682-695.	2.2	61
29	Endocannabinoid 2-Arachidonoylglycerol Protects Neurons by Limiting COX-2 Elevation. Journal of Biological Chemistry, 2008, 283, 22601-22611.	3.4	100
30	Cyclooxygenase-2 in Synaptic Signaling. Current Pharmaceutical Design, 2008, 14, 1443-1451.	1.9	164
31	COX-2 oxidative metabolite of endocannabinoid 2-AG enhances excitatory glutamatergic synaptic transmission and induces neurotoxicity. Journal of Neurochemistry, 2007, 102, 1966-1977.	3.9	79
32	Altered NMDA receptor trafficking contributes to sleep deprivation-induced hippocampal synaptic and cognitive impairments. Biochemical and Biophysical Research Communications, 2006, 340, 435-440.	2.1	94
33	Lipid Signaling and Synaptic Plasticity. Neuroscientist, 2006, 12, 425-434.	3.5	84
34	PGE2glycerol ester, a COX-2 oxidative metabolite of 2-arachidonoyl glycerol, modulates inhibitory synaptic transmission in mouse hippocampal neurons. Journal of Physiology, 2006, 572, 735-745.	2.9	83
35	Endogenous PGE₂Regulates Membrane Excitability and Synaptic Transmission in Hippocampal CA1 Pyramidal Neurons. Journal of Neurophysiology, 2005, 93, 929-941.	1.8	131
36	Lipid signaling: Sleep, synaptic plasticity, and neuroprotection. Prostaglandins and Other Lipid Mediators, 2005, 77, 65-76.	1.9	174

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37	Heterogeneous expression and regulation of hippocampal prostaglandin E2 receptors. Journal of Neuroscience Research, 2005, 81, 817-826.	2.9	39
38	Postsynaptically Synthesized Prostaglandin E2 (PGE2) Modulates Hippocampal Synaptic Transmission via a Presynaptic PGE2 EP2 Receptor. Journal of Neuroscience, 2005, 25, 9858-9870.	3.6	166
39	Homeostatic Scaling of Vesicular Glutamate and GABA Transporter Expression in Rat Neocortical Circuits. Journal of Neuroscience, 2005, 25, 7121-7133.	3.6	166
40	Î²-Amyloid increases dendritic Ca2+ influx by inhibiting the A-type K+ current in hippocampal CA1 pyramidal neurons. Biochemical and Biophysical Research Communications, 2005, 338, 1913-1919.	2.1	68
41	ZD7288 inhibits postsynaptic glutamate receptor-mediated responses at hippocampal perforant path-granule cell synapses. European Journal of Neuroscience, 2004, 19, 643-649.	2.6	66
42	Acetaminophen modifies hippocampal synaptic plasticity via a presynaptic 5-HT2 receptor. NeuroReport, 2003, 14, 743-747.	1.2	22
43	Sleep Deprivation Causes Behavioral, Synaptic, and Membrane Excitability Alterations in Hippocampal Neurons. Journal of Neuroscience, 2003, 23, 9687-9695.	3.6	349
44	Cyclooxygenase-2 Regulates Prostaglandin E₂Signaling in Hippocampal Long-Term Synaptic Plasticity. Journal of Neurophysiology, 2002, 87, 2851-2857.	1.8	277
45	Attenuated LTP in Hippocampal Dentate Gyrus Neurons of Mice Deficient in the PAF Receptor. Journal of Neurophysiology, 2001, 85, 384-390.	1.8	70
46	Hyperpolarization-activated current (Ih) in primary auditory neurons. Hearing Research, 1997, 110, 179-190.	2.0	63