Xiang Cai

List of Publications by Year
in descending order

23 papers	1,621 citations	567281 15 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	2868 citing authors

#	Article	IF	Citations
1	Green synthesis of silver nanoparticles using tea leaf extract and evaluation of their stability and antibacterial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 444, 226-231.	4.7	359
2	Unique Roles of SK and Kv4.2 Potassium Channels in Dendritic Integration. Neuron, 2004, 44, 351-364.	8.1	244
3	An excitatory synapse hypothesis of depression. Trends in Neurosciences, 2015, 38, 279-294.	8.6	221
4	Application of nanoscale zero valent iron and iron powder during sludge anaerobic digestion: Impact on methane yield and pharmaceutical and personal care products degradation. Journal of Hazardous Materials, 2017, 321, 47-53.	12.4	141
5	Local potentiation of excitatory synapses by serotonin and its alteration in rodent models of depression. Nature Neuroscience, 2013, 16, 464-472.	14.8	129
6	Pharmaceuticals and personal care products in a mesoscale subtropical watershed and their application as sewage markers. Journal of Hazardous Materials, 2014, 280, 696-705.	12.4	91
7	Essential roles of AMPA receptor GluA1 phosphorylation and presynaptic HCN channels in fast-acting antidepressant responses of ketamine. Science Signaling, 2016, 9, ra123.	3.6	82
8	Removal of co-contaminants Cu (II) and nitrate from aqueous solution using kaolin-Fe/Ni nanoparticles. Chemical Engineering Journal, 2014, 244, 19-26.	12.7	62
9	Mutations Affecting the SAND Domain of DEAF1 Cause Intellectual Disability with Severe Speech Impairment and Behavioral Problems. American Journal of Human Genetics, 2014, 94, 649-661.	6.2	59
10	Sex Differences in Long-Term Potentiation at Temporoammonic-CA1 Synapses: Potential Implications for Memory Consolidation. PLoS ONE, 2016, 11, e0165891.	2.5	43
11	Differential regulation of GluA1 expression by ketamine and memantine. Behavioural Brain Research, 2017, 316, 152-159.	2.2	41
12	Hyperexcitability of Distal Dendrites in Hippocampal Pyramidal Cells after Chronic Partial Deafferentation. Journal of Neuroscience, 2007, 27, 59-68.	3.6	33
13	Endogenous formaldehyde is a memory-related molecule in mice and humans. Communications Biology, 2019, 2, 446.	4.4	29
14	The essential role of hippocampal alpha6 subunit-containing GABAA receptors in maternal separation stress-induced adolescent depressive behaviors. Behavioural Brain Research, 2016, 313, 135-143.	2.2	22
15	Protein kinase A mediates scopolamine-induced mTOR activation and an antidepressant response. Journal of Affective Disorders, 2018, 227, 633-642.	4.1	17
16	Benchmarking Machine Learning Approaches to Evaluate the Cultivar Differentiation of Plum (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.1	12
17	Synaptic potentiation mediated by L-type voltage-dependent calcium channels mediates the antidepressive effects of lateral habenula stimulation. Neuroscience, 2017, 362, 25-32.	2.3	11
18	Differential Mechanisms Underlying Antidepressant Responses of Ketamine and Imipramine. CNS and Neurological Disorders - Drug Targets, 2017, 16, 846-853.	1.4	7

#	Article	IF	Citations
19	Modulation of Kalirin-7 expression by hippocampal CA1 5-HT1B receptors in spatial memory consolidation. Behavioural Brain Research, 2019, 356, 148-155.	2.2	6
20	A rapid and nonâ€invasive fluorescence method for quantifying coenzyme Q10 in blood and urine in clinical analysis. Journal of Clinical Laboratory Analysis, 2020, 34, e23130.	2.1	4
21	Phytotests for assessing phytotoxicity of â€œBlue moonâ€•liquid detergent: Lens culinaris seeds. Issues in Biological Sciences and Pharmaceutical Research, 2021, 9, .	0.0	3
22	Accumulation of formaldehyde causes motor deficits in an in vivo model of hindlimb unloading. Communications Biology, 2021, 4, 933.	4.4	2
23	Phytotoxicity of â€œTideâ€•Detergent Powder Using Lens culinaris Seeds as a Bioassay. Acta Scientific Microbiology, 2022, 5, 21-26.	0.1	1