

Tao Tan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,089
citations

361413

20
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term potentiation decay and memory loss are mediated by AMPAR endocytosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 234-247.	8.2	138
2	10-Hz Repetitive Transcranial Magnetic Stimulation of the Left Dorsolateral Prefrontal Cortex Reduces Heroin Cue Craving in Long-Term Addicts. <i>Biological Psychiatry</i> , 2016, 80, e13-e14.	1.3	116
3	Low-frequency (1Hz) repetitive transcranial magnetic stimulation (rTMS) reverses A β -mediated memory deficits in rats. <i>Experimental Gerontology</i> , 2013, 48, 786-794.	2.8	60
4	Methamphetamine abuse impairs motor cortical plasticity and function. <i>Molecular Psychiatry</i> , 2017, 22, 1274-1281.	7.9	60
5	Neural circuits and activity dynamics underlying sex-specific effects of chronic social isolation stress. <i>Cell Reports</i> , 2021, 34, 108874.	6.4	58
6	Chemogenetic Activation of Prefrontal Cortex Rescues Synaptic and Behavioral Deficits in a Mouse Model of 16p11.2 Deletion Syndrome. <i>Journal of Neuroscience</i> , 2018, 38, 5939-5948.	3.6	51
7	Behavioral, circuitry, and molecular aberrations by region-specific deficiency of the high-risk autism gene Cul3. <i>Molecular Psychiatry</i> , 2021, 26, 1491-1504.	7.9	49
8	Chemicogenetic Restoration of the Prefrontal Cortex to Amygdala Pathway Ameliorates Stress-Induced Deficits. <i>Cerebral Cortex</i> , 2018, 28, 1980-1990.	2.9	47
9	Lithium ameliorates autistic-like behaviors induced by neonatal isolation in rats. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 234.	2.0	45
10	Impairment of synaptic plasticity in hippocampus is exacerbated by methylprednisolone in a rat model of traumatic brain injury. <i>Brain Research</i> , 2011, 1382, 165-172.	2.2	42
11	Repetitive transcranial magnetic stimulation increases excitability of hippocampal CA1 pyramidal neurons. <i>Brain Research</i> , 2013, 1520, 23-35.	2.2	41
12	Maternal sleep deprivation at different stages of pregnancy impairs the emotional and cognitive functions, and suppresses hippocampal long-term potentiation in the offspring rats. <i>Molecular Brain</i> , 2016, 9, 17.	2.6	40
13	Low-Frequency Repetitive Transcranial Magnetic Stimulation Ameliorates Cognitive Function and Synaptic Plasticity in APP23/PS45 Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 292.	3.4	36
14	Formaldehyde induces diabetes-associated cognitive impairments. <i>FASEB Journal</i> , 2018, 32, 3669-3679.	0.5	35
15	Reversal of synaptic and behavioral deficits in a 16p11.2 duplication mouse model via restoration of the GABA synapse regulator Npas4. <i>Molecular Psychiatry</i> , 2021, 26, 1967-1979.	7.9	33
16	Furin promotes dendritic morphogenesis and learning and memory in transgenic mice. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2473-2488.	5.4	31
17	Deficiency of autism risk factor ASH1L in prefrontal cortex induces epigenetic aberrations and seizures. <i>Nature Communications</i> , 2021, 12, 6589.	12.8	30
18	Endogenous formaldehyde is a memory-related molecule in mice and humans. <i>Communications Biology</i> , 2019, 2, 446.	4.4	29

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19	Low-Frequency rTMS Ameliorates Autistic-Like Behaviors in Rats Induced by Neonatal Isolation Through Regulating the Synaptic GABA Transmission. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 46.	3.7	27
20	GABAA Receptors in the Central Nucleus of the Amygdala Are Involved in Pain- and Itch-Related Responses. <i>Journal of Pain</i> , 2016, 17, 181-189.	1.4	26
21	Stress Exposure in Dopamine D4 Receptor Knockout Mice Induces Schizophrenia-Like Behaviors via Disruption of GABAergic Transmission. <i>Schizophrenia Bulletin</i> , 2019, 45, 1012-1023.	4.3	20
22	Neonatal exposure of ketamine inhibited the induction of hippocampal long-term potentiation without impairing the spatial memory of adult rats. <i>Cognitive Neurodynamics</i> , 2018, 12, 377-383.	4.0	15
23	Epigenetic treatment of behavioral and physiological deficits in a tauopathy mouse model. <i>Aging Cell</i> , 2021, 20, e13456.	6.7	15
24	Functional Connectivity in a Rat Model of Alzheimer's Disease During a Working Memory Task. <i>Current Alzheimer Research</i> , 2014, 11, 981-991.	1.4	13
25	Overexpression of MCPH1 inhibits uncontrolled cell growth by promoting cell apoptosis and arresting the cell cycle in S and G2/M phase in lung cancer cells. <i>Oncology Letters</i> , 2016, 11, 365-372.	1.8	11
26	Acute pentobarbital treatment impairs spatial learning and memory and hippocampal long-term potentiation in rats. <i>Physiology and Behavior</i> , 2015, 149, 169-173.	2.1	9
27	Early exposure to sevoflurane inhibits Ca ²⁺ channels activity in hippocampal CA1 pyramidal neurons of developing rats. <i>Brain Research</i> , 2014, 1557, 1-11.	2.2	8
28	Inhibition of AMPAR endocytosis alleviates pentobarbital-induced spatial memory deficits and synaptic depression. <i>Behavioural Brain Research</i> , 2018, 339, 66-72.	2.2	2