Wei-Dong Yao

List of Publications by Year
in descending order

27 papers	1,598 citations	516215 16 h-index	552369 26 g-index
29 all docs	29 docs citations	29 times ranked	2796 citing authors

#	Article	IF	Citations
1	Identification of PSD-95 as a Regulator of Dopamine-Mediated Synaptic and Behavioral Plasticity. Neuron, 2004, 41, 625-638.	3.8	335
2	Alterations in microRNA-124 and AMPA receptors contribute to social behavioral deficits in frontotemporal dementia. Nature Medicine, 2014, 20, 1444-1451.	15.2	165
3	C9ORF72-ALS/FTD-associated poly(GR) binds Atp5a1 and compromises mitochondrial function in vivo. Nature Neuroscience, 2019, 22, 851-862.	7.1	161
4	Neuronal Kmt2a/Mll1 Histone Methyltransferase Is Essential for Prefrontal Synaptic Plasticity and Working Memory. Journal of Neuroscience, 2015, 35, 5097-5108.	1.7	126
5	D1 and D2 dopamine receptors in separate circuits cooperate to drive associative long-term potentiation in the prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16366-16371.	3.3	111
6	Dopaminergic signaling in dendritic spines. Biochemical Pharmacology, 2008, 75, 2055-2069.	2.0	106
7	Inhibition of the Dopamine D1 Receptor Signaling by PSD-95. Journal of Biological Chemistry, 2007, 282, 15778-15789.	1.6	81
8	MicroRNA miR124 is required for the expression of homeostatic synaptic plasticity. Nature Communications, 2015, 6, 10045.	5.8	77
9	Hyperdopaminergic Tone Erodes Prefrontal Long-Term Potential via a D₂Receptor-Operated Protein Phosphatase Gate. Journal of Neuroscience, 2009, 29, 14086-14099.	1.7	68
10	Proteasome-independent polyubiquitin linkage regulates synapse scaffolding, efficacy, and plasticity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8760-E8769.	3.3	57
11	Auxiliary Hyperkinetic Î² Subunit of K+Channels: Regulation of Firing Properties and K+ Currents in Drosophila Neurons. Journal of Neurophysiology, 1999, 81, 2472-2484.	0.9	48
12	Neuronal Nsun2 deficiency produces tRNA epitranscriptomic alterations and proteomic shifts impacting synaptic signaling and behavior. Nature Communications, 2021, 12, 4913.	5.8	42
13	Neuronal Deletion of Kmt2a/Mll1 Histone Methyltransferase in Ventral Striatum is Associated with Defective Spike-Timing-Dependent Striatal Synaptic Plasticity, Altered Response to Dopaminergic Drugs, and Increased Anxiety. Neuropsychopharmacology, 2016, 41, 3103-3113.	2.8	40
14	Dopamine-enabled anti-Hebbian timing-dependent plasticity in prefrontal circuitry. Frontiers in Neural Circuits, 2014, 8, 38.	1.4	37
15	Amphetamine modulation of longâ€term potentiation in the prefrontal cortex: dose dependency, monoaminergic contributions, and paradoxical rescue in hyperdopaminergic mutant. Journal of Neurochemistry, 2010, 115, 1643-1654.	2.1	25
16	Transcriptomic profiling of the ventral tegmental area and nucleus accumbens in rhesus macaques following long-term cocaine self-administration. Drug and Alcohol Dependence, 2017, 175, 9-23.	1.6	23
17	Remodeling without destruction: non-proteolytic ubiquitin chains in neural function and brain disorders. Molecular Psychiatry, 2021, 26, 247-264.	4.1	17
18	Transcription factor POU3F2 regulates TRIM8 expression contributing to cellular functions implicated in schizophrenia. Molecular Psychiatry, 2021, 26, 3444-3460.	4.1	16

#	Article	IF	Citations
19	Cylindromatosis drives synapse pruning and weakening by promoting macroautophagy through Akt-mTOR signaling. Molecular Psychiatry, 2022, 27, 2414-2424.	4.1	14
20	Cocaine Promotes Coincidence Detection and Lowers Induction Threshold during Hebbian Associative Synaptic Potentiation in Prefrontal Cortex. Journal of Neuroscience, 2017, 37, 986-997.	1.7	13
21	Reduced Slc1a1 expression is associated with neuroinflammation and impaired sensorimotor gating and cognitive performance in mice: Implications for schizophrenia. PLoS ONE, 2017, 12, e0183854.	1.1	11
22	The ubiquitin-editing enzyme A20 regulates synapse remodeling and efficacy. Brain Research, 2020, 1727, 146569.	1.1	9
23	Loss of mGluR1-LTD following cocaine exposure accumulates Ca²⁺-permeable AMPA receptors and facilitates synaptic potentiation in the prefrontal cortex. Journal of Neurogenetics, 2021, 35, 358-369.	0.6	7
24	Acute and chronic effects of clozapine on cholinergic transmission in cultured mouse superior cervical ganglion neurons. Journal of Neurogenetics, 2016, 30, 297-305.	0.6	3
25	Rare Functional Variants Associated with Antidepressant Remission in Mexican-Americans. Journal of Affective Disorders, 2021, 279, 491-500.	2.0	3
26	K+ channel reorganization and homeostatic plasticity during postembryonic development: biophysical and genetic analyses in acutely dissociated Drosophila central neurons. Journal of Neurogenetics, 2016, 30, 259-275.	0.6	2
27	Cocaine Promotes Coincidence Detection and Lowers Induction Threshold during Hebbian Associative Synaptic Potentiation in Prefrontal Cortex. Journal of Neuroscience, 2017, 37, 986-997.	1.7	1