Dong-Ya Zhu

List of Publications by Citations

56 papers	2,425 citations	26 h-index	49 g-index
57 ext. papers	2,986 ext. citations	7.4 avg, IF	4.93 L-index

#	Paper	IF	Citations
56	Neuronal nitric oxide synthase: structure, subcellular localization, regulation, and clinical implications. *Nitric Oxide - Biology and Chemistry*, **2009**, 20, 223-30	5	460
55	Treatment of cerebral ischemia by disrupting ischemia-induced interaction of nNOS with PSD-95. *Nature Medicine*, **2010**, 16, 1439-43	50.5	255
54	Sucrose preference test for measurement of stress-induced anhedonia in mice. *Nature Protocols*, **2018**, 13, 1686-1698	18.8	198
53	Neuronal nitric oxide synthase contributes to chronic stress-induced depression by suppressing hippocampal neurogenesis. *Journal of Neurochemistry*, **2007**, 103, 1843-54	6	174
52	Neuronal nitric oxide synthase alteration accounts for the role of 5-HT1A receptor in modulating anxiety-related behaviors. *Journal of Neuroscience*, **2010**, 30, 2433-41	6.6	107
51	Hippocampal neuronal nitric oxide synthase mediates the stress-related depressive behaviors of glucocorticoids by downregulating glucocorticoid receptor. *Journal of Neuroscience*, **2011**, 31, 7579-90	6.6	101
50	Chronic fluoxetine treatment improves ischemia-induced spatial cognitive deficits through increasing hippocampal neurogenesis after stroke. *Journal of Neuroscience Research*, **2009**, 87, 112-22	4.4	100
49	Hippocampal telomerase is involved in the modulation of depressive behaviors. *Journal of Neuroscience*, **2011**, 31, 12258-69	6.6	75
48	Hippocampal nitric oxide contributes to sex difference in affective behaviors. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 14224-9	11.5	60
47	Negative regulation of neurogenesis and spatial memory by NR2B-containing NMDA receptors. *Journal of Neurochemistry*, **2008**, 106, 1900-13	6	57
46	The different roles of glucocorticoids in the hippocampus and hypothalamus in chronic stress-induced HPA axis hyperactivity. *PLoS ONE*, **2014**, 9, e97689	3.7	57
45	CAPON-nNOS coupling can serve as a target for developing new anxiolytics. *Nature Medicine*, **2014**, 20, 1050-4	50.5	54
44	Bidirectional regulation of neurogenesis by neuronal nitric oxide synthase derived from neurons and neural stem cells. *Stem Cells*, **2010**, 28, 2041-52	5.8	52
43	Interaction of nNOS with PSD-95 negatively controls regenerative repair after stroke. *Journal of Neuroscience*, **2014**, 34, 13535-48	6.6	51
42	The synergetic effect of edaravone and borneol in the rat model of ischemic stroke. *European Journal of Pharmacology*, **2014**, 740, 522-31	5.3	45
41	Opening a New Time Window for Treatment of Stroke by Targeting HDAC2. *Journal of Neuroscience* , **2017**, 37, 6712-6728	6.6	41
40	Neuronal nitric oxide synthase and affective disorders. *IBRO Reports*, **2018**, 5, 116-132	2	38

39	Research progress on neurobiology of neuronal nitric oxide synthase. *Neuroscience Bulletin*, **2011**, 27, 23-35	4.3	36
38	Efficient generation of region-specific forebrain neurons from human pluripotent stem cells under highly defined condition. *Scientific Reports*, **2015**, 5, 18550	4.9	35
37	Delayed Administration of Tat-HA-NR2B9c Promotes Recovery After Stroke in Rats. *Stroke*, **2015**, 46, 1352-8	6.7	30
36	Inhibiting Histone Deacetylase 2 (HDAC2) Promotes Functional Recovery From Stroke. *Journal of the American Heart Association*, **2017**, 6,	6	29
35	Neuroprotection of taurine against reactive oxygen species is associated with inhibiting NADPH oxidases. *European Journal of Pharmacology*, **2016**, 777, 129-35	5.3	27
34	Hippocampus and nitric oxide. *Vitamins and Hormones*, **2014**, 96, 127-60	2.5	27
33	CREB-mediated synaptogenesis and neurogenesis is crucial for the role of 5-HT1a receptors in modulating anxiety behaviors. *Scientific Reports*, **2016**, 6, 29551	4.9	27
32	Anterior Cingulate Cortex to Ventral Hippocampus Circuit Mediates Contextual Fear Generalization. *Journal of Neuroscience*, **2019**, 39, 5728-5739	6.6	26
31	DETA/NONOate, a nitric oxide donor, produces antidepressant effects by promoting hippocampal neurogenesis. *Psychopharmacology*, **2008**, 200, 231-42	4.7	26
30	nNOS-expressing neurons in the vmPFC transform pPVT-derived chronic pain signals into anxiety behaviors. *Nature Communications*, **2020**, 11, 2501	17.4	22
29	Dissociation of nNOS from PSD-95 promotes functional recovery after cerebral ischaemia in mice through reducing excessive tonic GABA release from reactive astrocytes. *Journal of Pathology*, **2018**, 244, 176-188	9.4	19
28	Hippocampal nuclear factor kappa B accounts for stress-induced anxiety behaviors via enhancing neuronal nitric oxide synthase (nNOS)-carboxy-terminal PDZ ligand of nNOS-Dexras1 coupling. *Journal of Neurochemistry*, **2018**, 146, 598-612	6	19
27	Hippocampal TERT Regulates Spatial Memory Formation through Modulation of Neural Development. *Stem Cell Reports*, **2017**, 9, 543-556	8	19
26	PSD-95-nNOS Coupling Regulates Contextual Fear Extinction in the Dorsal CA3. *Scientific Reports*, **2018**, 8, 12775	4.9	15
25	Dissociating nNOS (Neuronal NO Synthase)-CAPON (Carboxy-Terminal Postsynaptic Density-95/Discs Large/Zona Occludens-1 Ligand of nNOS) Interaction Promotes Functional Recovery After Stroke via Enhanced Structural Neuroplasticity. *Stroke*, **2019**, 50, 728-737	6.7	13
24	nNOS-CAPON interaction mediates amyloid-□nduced neurotoxicity, especially in the early stages. *Aging Cell*, **2018**, 17, e12754	9.9	12
23	Potential Role of NO in Modulation of COX-2 Expression and PGE2 Production in Pancreatic □cells. *Acta Biochimica Et Biophysica Sinica*, **2005**, 37, 139-146	2.8	12
22	(+)-Borneol is neuroprotective against permanent cerebral ischemia in rats by suppressing production of proinflammatory cytokines. *Journal of Biomedical Research*, **2017**, 31, 306-314	1.5	12

21	(+)-Borneol suppresses conditioned fear recall and anxiety-like behaviors in mice. *Biochemical and Biophysical Research Communications*, **2018**, 495, 1588-1593	3.4	11
20	Extracellular regulated protein kinaseis critical for the role of 5-HT1a receptor in modulating nNOS expression and anxiety-related behaviors. *Behavioural Brain Research*, **2019**, 357-358, 88-97	3.4	11
19	Disrupting nNOS-PSD-95 coupling in the hippocampal dentate gyrus promotes extinction memory retrieval. *Biochemical and Biophysical Research Communications*, **2017**, 493, 862-868	3.4	10
18	nNOS-CAPON blockers produce anxiolytic effects by promoting synaptogenesis in chronic stress-induced animal models of anxiety. *British Journal of Pharmacology*, **2020**, 177, 3674-3690	8.6	9
17	Cloning, expression, and purification of a recombinant Tat-HA-NR2B9c peptide. *Protein Expression and Purification*, **2012**, 85, 239-45	2	8
16	Prolonged Use of NMDAR Antagonist Develops Analgesic Tolerance in Neuropathic Pain via Nitric Oxide Reduction-Induced GABAergic Disinhibition. *Neurotherapeutics*, **2020**, 17, 1016-1030	6.4	7
15	Projections from Infralimbic Cortex to Paraventricular Thalamus Mediate Fear Extinction Retrieval. *Neuroscience Bulletin*, **2021**, 37, 229-241	4.3	7
14	ZL006 promotes migration and differentiation of transplanted neural stem cells in male rats after stroke. *Journal of Neuroscience Research*, **2017**, 95, 2409-2419	4.4	6
13	HDAC2 (Histone deacetylase 2): A critical factor in environmental enrichment-mediated stroke recovery. *Journal of Neurochemistry*, **2020**, 155, 679-696	6	5
12	Dorsal Hippocampus to Infralimbic Cortex Circuit is Essential for the Recall of Extinction Memory. *Cerebral Cortex*, **2021**, 31, 1707-1718	5.1	5
11	A pain killer without analgesic tolerance designed by co-targeting PSD-95-nNOS interaction and 2-containning GABARs. *Theranostics*, **2021**, 11, 5970-5985	12.1	4
10	Uncoupling nNOS-PSD-95 in the ACC can inhibit contextual fear generalization. *Biochemical and Biophysical Research Communications*, **2019**, 513, 248-254	3.4	3
9	Neuronal Nitric Oxide Synthase in Nucleus Accumbens Specifically Mediates Susceptibility to Social Defeat Stress through Cyclin-Dependent Kinase 5. *Journal of Neuroscience*, **2021**, 41, 2523-2539	6.6	3
8	2-Methyl-5H-benzo[d]pyrazolo[5,1-b][1,3]oxazin-5-imine, an edaravone analog, exerts neuroprotective effects against acute ischemic injury via inhibiting oxidative stress. *Journal of Biomedical Research*, **2018**, 32, 270-280	1.5	2
7	Uncoupling nNOS-PSD-95 in mPFC inhibits morphine priming-induced reinstatement after extinction training. *Biochemical and Biophysical Research Communications*, **2020**, 525, 520-527	3.4	1
6	No Association Between Single-Nucleotide Polymorphism 56 (SNP56) in Phosphodiesterase 4D (PDE4D) Gene and Susceptibility to Ischemic Stroke: A Meta-Analysis of 15 Studies. *Medical Science Monitor*, **2016**, 22, 3820-3827	3.2	1
5	Neuronal nitric oxide synthase in dorsal raphe nucleus mediates PTSD-like behaviors induced by single-prolonged stress through inhibiting serotonergic neurons activity. *Biochemical and Biophysical Research Communications*, **2021**, 585, 139-145	3.4	0
4	Endothelial ETS1 inhibition exacerbate blood-brain barrier dysfunction in multiple sclerosis through inducing endothelial-to-mesenchymal transition.. *Cell Death and Disease*, **2022**, 13, 462	9.8	0

3	Response to Letter Regarding Article, "Delayed Administration of Tat-HA-NR2B9c Promotes Recovery After Stroke in Rats". *Stroke*, **2015**, 46, e193	6.7
2	Significant implications of Bcl-2 in the formation of striatonigral projection neurons in the ischemic striatum. *Neuroscience Bulletin*, **2012**, 28, 667-8	4.3
1	No Association Between SNP56 in PDE4D Gene and Susceptibility to Ischemic Stroke: A Meta-Analysis of 15 Studies. *Medical Science Monitor*, **2016**, 22, 3820-3827	3.2