

Tao Sun

List of Publications by Year in descending order

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82
papers

2,187
citations

218381

26
h-index

276539

41
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87
all docs

87
docs citations

87
times ranked

2975
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and Efficacy of Atorvastatin for Chronic Subdural Hematoma in Chinese Patients. <i>JAMA Neurology</i> , 2018, 75, 1338.	4.5	157
2	An evidence-based update on the pharmacological activities and possible molecular targets of <i>Lycium barbarum</i> polysaccharides. <i>Drug Design, Development and Therapy</i> , 2015, 9, 33.	2.0	114
3	Beneficial effects of <i>Lycium barbarum</i> polysaccharide on spermatogenesis by improving antioxidant activity and inhibiting apoptosis in streptozotocin-induced diabetic male mice. <i>Food and Function</i> , 2017, 8, 1215-1226.	2.1	86
4	Matrine attenuates focal cerebral ischemic injury by improving antioxidant activity and inhibiting apoptosis in mice. <i>International Journal of Molecular Medicine</i> , 2015, 36, 633-644.	1.8	83
5	Amentoflavone protects hippocampal neurons: anti-inflammatory, antioxidative, and antiapoptotic effects. <i>Neural Regeneration Research</i> , 2015, 10, 1125.	1.6	65
6	Protective effects of Astragalin on spermatogenesis in streptozotocin-induced diabetes in male mice by improving antioxidant activity and inhibiting inflammation. <i>Biomedicine and Pharmacotherapy</i> , 2019, 110, 561-570.	2.5	64
7	Amentoflavone Affects Epileptogenesis and Exerts Neuroprotective Effects by Inhibiting NLRP3 Inflammasome. <i>Frontiers in Pharmacology</i> , 2019, 10, 856.	1.6	63
8	Neuroprotective Effect of Matrine in Mouse Model of Vincristine-Induced Neuropathic Pain. <i>Neurochemical Research</i> , 2016, 41, 3147-3159.	1.6	58
9	Oxymatrine attenuated hypoxic-ischemic brain damage in neonatal rats via improving antioxidant enzyme activities and inhibiting cell death. <i>Neurochemistry International</i> , 2015, 89, 17-27.	1.9	56
10	Aloperine attenuated neuropathic pain induced by chronic constriction injury via anti-oxidation activity and suppression of the nuclear factor kappa B pathway. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 568-573.	1.0	51
11	<i>Lycium barbarum</i> Polysaccharide Prevents Focal Cerebral Ischemic Injury by Inhibiting Neuronal Apoptosis in Mice. <i>PLoS ONE</i> , 2014, 9, e90780.	1.1	51
12	Protective effects of <i>Lycium barbarum</i> polysaccharide on male sexual dysfunction and fertility impairments by activating hypothalamic pituitary gonadal axis in streptozotocin-induced type-1 diabetic male mice. <i>Endocrine Journal</i> , 2017, 64, 907-922.	0.7	50
13	Neuroprotective Effect of Swertiamain on Cerebral Ischemia/Reperfusion Injury by Inducing the Nrf2 Protective Pathway. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2276-2286.	1.7	47
14	Echinacoside Alleviates Hypoxic-Ischemic Brain Injury in Neonatal Rat by Enhancing Antioxidant Capacity and Inhibiting Apoptosis. <i>Neurochemical Research</i> , 2019, 44, 1582-1592.	1.6	45
15	Diffusion tensor tractography of the temporal stem on the inferior limiting sulcus. <i>Journal of Neurosurgery</i> , 2008, 108, 775-781.	0.9	42
16	Rapamycin Reduced Ischemic Brain Damage in Diabetic Animals Is Associated with Suppressions of mTOR and ERK1/2 Signaling. <i>International Journal of Biological Sciences</i> , 2016, 12, 1032-1040.	2.6	40
17	Neuroprotective actions of taurine on hypoxic-ischemic brain damage in neonatal rats. <i>Brain Research Bulletin</i> , 2016, 124, 295-305.	1.4	40
18	The identification of novel <i>Mycobacterium tuberculosis</i> DHFR inhibitors and the investigation of their binding preferences by using molecular modelling. <i>Scientific Reports</i> , 2015, 5, 15328.	1.6	39

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19	Observing Anti-inflammatory and Anti-nociceptive Activities of Glycyrrhizin Through Regulating COX-2 and Pro-inflammatory Cytokines Expressions in Mice. <i>Inflammation</i> , 2015, 38, 2269-2278.	1.7	39
20	Protective effect of gentiopicoside against dextran sodium sulfate induced colitis in mice. <i>International Immunopharmacology</i> , 2016, 39, 16-22.	1.7	37
21	Plumbagin induces cell cycle arrest and autophagy and suppresses epithelial to mesenchymal transition involving PI3K/Akt/mTOR-mediated pathway in human pancreatic cancer cells. <i>Drug Design, Development and Therapy</i> , 2015, 9, 537.	2.0	35
22	Neuroprotective effect of liquiritin against neuropathic pain induced by chronic constriction injury of the sciatic nerve in mice. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 186-198.	2.5	35
23	Neuroprotective effect of Vanillin on hypoxic-ischemic brain damage in neonatal rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109196.	2.5	34
24	Lycium barbarum polysaccharide attenuates diabetic testicular dysfunction via inhibition of the PI3K/Akt pathway-mediated abnormal autophagy in male mice. <i>Cell and Tissue Research</i> , 2018, 374, 653-666.	1.5	30
25	SCN1A Mutation“Beyond Dravet Syndrome: A Systematic Review and Narrative Synthesis. <i>Frontiers in Neurology</i> , 2021, 12, 743726.	1.1	30
26	Antinociceptive effects of gentiopicoside on neuropathic pain induced by chronic constriction injury in mice: a behavioral and electrophysiological study. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 769-778.	0.7	28
27	Trans-cinnamaldehyde protected PC12 cells against oxygen and glucose deprivation/reperfusion (OGD/R)-induced injury via anti-apoptosis and anti-oxidative stress. <i>Molecular and Cellular Biochemistry</i> , 2016, 421, 67-74.	1.4	28
28	Vitexin alleviates streptozotocin-induced sexual dysfunction and fertility impairments in male mice via modulating the hypothalamus“pituitary“gonadal axis. <i>Chemico-Biological Interactions</i> , 2019, 297, 119-129.	1.7	28
29	Neuroprotective Effect of Oxysophocarpine by Modulation of MAPK Pathway in Rat Hippocampal Neurons Subject to Oxygen“Glucose Deprivation and Reperfusion. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 529-540.	1.7	27
30	Antinociceptive effect of isorientin against neuropathic pain induced by the chronic constriction injury of the sciatic nerve in mice. <i>International Immunopharmacology</i> , 2019, 75, 105753.	1.7	27
31	Oxymatrine protects neonatal rat against hypoxic-ischemic brain damage via PI3K/Akt/GSK3 ^β pathway. <i>Life Sciences</i> , 2020, 254, 116444.	2.0	27
32	Protective effects of aloperine on monocrotaline-induced pulmonary hypertension in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 632-641.	2.5	26
33	Effect of ATOrvastatin On Chronic subdural Hematoma (ATOCH): a study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 528.	0.7	25
34	Cistanche deserticola polysaccharides protects PC12 cells against OGD/RP-induced injury. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 671-680.	2.5	25
35	Oxysophocarpine Ameliorates Carrageenan-induced Inflammatory Pain via Inhibiting Expressions of Prostaglandin E2 and Cytokines in Mice. <i>Planta Medica</i> , 2015, 81, 791-797.	0.7	24
36	Neuroprotective Effects of Lycium barbarum Polysaccharide on Focal Cerebral Ischemic Injury in Mice. <i>Neurochemical Research</i> , 2017, 42, 2798-2813.	1.6	24

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37	Protective effects of aloperin on monocroline-induced pulmonary hypertension via regulation of Rho A/Rho kinsase pathway in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1161-1168.	2.5	22
38	Neuroprotective Effect of Chitosan Oligosaccharide on Hypoxic-Ischemic Brain Damage in Neonatal Rats. <i>Neurochemical Research</i> , 2017, 42, 3186-3198.	1.6	22
39	Neuroprotection of Cytisine Against Cerebral Ischemiaâ€œReperfusion Injury in Mice by Regulating NR2B-ERK/CREB Signal Pathway. <i>Neurochemical Research</i> , 2018, 43, 1575-1586.	1.6	22
40	Neuroprotective Effect of Anethole Against Neuropathic Pain Induced by Chronic Constriction Injury of the Sciatic Nerve in Mice. <i>Neurochemical Research</i> , 2018, 43, 2404-2422.	1.6	21
41	Protective effects of Salidroside on spermatogenesis in streptozotocin induced type-1 diabetic male mice by inhibiting oxidative stress mediated blood-testis barrier damage. <i>Chemico-Biological Interactions</i> , 2020, 315, 108869.	1.7	21
42	Bufalin enhances radiosensitivity of glioblastoma by suppressing mitochondrial function and DNA damage repair. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 627-635.	2.5	19
43	Automatic untargeted metabolic profiling analysis coupled with Chemometrics for improving metabolite identification quality to enhance geographical origin discrimination capability. <i>Journal of Chromatography A</i> , 2018, 1541, 12-20.	1.8	19
44	ALG13 Deficiency Associated with Increased Seizure Susceptibility and Severity. <i>Neuroscience</i> , 2019, 409, 204-221.	1.1	19
45	Semaglutide attenuates seizure severity and ameliorates cognitive dysfunction by blocking the NLR family pyrin domain containing 3 inflammasome in pentylenetetrazoleâ€œkindled mice. <i>International Journal of Molecular Medicine</i> , 2021, 48, .	1.8	19
46	The accessory gene regulator (agr) controls <i>Staphylococcus aureus</i> virulence in a murine intracranial abscesses model. <i>Brazilian Journal of Infectious Diseases</i> , 2014, 18, 501-506.	0.3	17
47	Anticonvulsant Effect of Swertiamarin Against Pilocarpine-Induced Seizures in Adult Male Mice. <i>Neurochemical Research</i> , 2017, 42, 3103-3113.	1.6	17
48	Mechanism of Lycium barbarum polysaccharides on primary cultured rat hippocampal neurons. <i>Cell and Tissue Research</i> , 2017, 369, 455-465.	1.5	17
49	Effects of GABAB receptors in the insula on recognition memory observed with intellilage. <i>Behavioral and Brain Functions</i> , 2017, 13, 7.	1.4	16
50	GPER-Deficient Rats Exhibit Lower Serum Corticosterone Level and Increased Anxiety-Like Behavior. <i>Neural Plasticity</i> , 2020, 2020, 1-22.	1.0	16
51	The Anticonvulsant and Neuroprotective Effects of Oxysophocarpine on Pilocarpine-Induced Convulsions in Adult Male Mice. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 339-349.	1.7	15
52	Coiled-coil domain containing 109B is a HIF1 α -regulated gene critical for progression of human gliomas. <i>Journal of Translational Medicine</i> , 2017, 15, 165.	1.8	15
53	RNA-seq Analysis of the SCN1A-KO Model based on CRISPR/Cas9 Genome Editing Technology. <i>Neuroscience</i> , 2019, 398, 1-11.	1.1	15
54	ALG13 participates in epileptogenesis via regulation of GABAA receptors in mouse models. <i>Cell Death Discovery</i> , 2020, 6, 87.	2.0	14

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55	Postretrieval Microinjection of Baclofen Into the Agranular Insular Cortex Inhibits Morphine-Induced CPP by Disrupting Reconsolidation. <i>Frontiers in Pharmacology</i> , 2020, 11, 743.	1.6	14
56	The Glucagon-Like Peptide-1 Analogue Liraglutide Reduces Seizures Susceptibility, Cognition Dysfunction and Neuronal Apoptosis in a Mouse Model of Dravet Syndrome. <i>Frontiers in Pharmacology</i> , 2020, 11, 136.	1.6	14
57	The Anticonvulsant Effects of Baldrinal on Pilocarpine-Induced convulsion in Adult Male Mice. <i>Molecules</i> , 2019, 24, 1617.	1.7	13
58	Continuous High Frequency Deep Brain Stimulation of the Rat Anterior Insula Attenuates the Relapse Post Withdrawal and Strengthens the Extinction of Morphine Seeking. <i>Frontiers in Psychiatry</i> , 2020, 11, 577155.	1.3	13
59	Microsurgical and tractographic anatomical study of insular and transylvian transinsular approach. <i>Neurological Sciences</i> , 2011, 32, 865-874.	0.9	12
60	Automatic peak detection coupled with multivariate curve resolutionâ€‘alternating least squares for peak resolution in gas chromatographyâ€‘mass spectrometry. <i>Journal of Chromatography A</i> , 2019, 1601, 300-309.	1.8	11
61	Neuroprotective effect of Verbascoside on hypoxic-ischemic brain damage in neonatal rat. <i>Neuroscience Letters</i> , 2019, 711, 134415.	1.0	10
62	Is vagal-nerve stimulation safe during pregnancy? A mini review. <i>Epilepsy Research</i> , 2021, 174, 106671.	0.8	10
63	Genetic knockout of the G protein-coupled estrogen receptor 1 facilitates the acquisition of morphine-induced conditioned place preference and aversion in mice. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 1061-1067.	1.0	8
64	GABRG2 Deletion Linked to Genetic Epilepsy with Febrile Seizures Plus Affects the Expression of GABAA Receptor Subunits and Other Genes at Different Temperatures. <i>Neuroscience</i> , 2020, 438, 116-136.	1.1	8
65	G Protein-Coupled Estrogen Receptor 1 Knockout Deteriorates MK-801-Induced Learning and Memory Impairment in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 157.	1.0	7
66	GABAergic neurons in the insular cortex play an important role in cue-morphine reward memory reconsolidation. <i>Life Sciences</i> , 2020, 254, 117655.	2.0	7
67	Neocortex- and hippocampus-specific deletion of Gabrg2 causes temperature-dependent seizures in mice. <i>Cell Death and Disease</i> , 2021, 12, 553.	2.7	7
68	Up to What Extent Does Dravet Syndrome Benefit From Neurostimulation Techniques?. <i>Frontiers in Neurology</i> , 2022, 13, 843975.	1.1	6
69	Effects of oxysophoridine on amino acids after cerebral ischemic injury in mice. <i>Annals of Indian Academy of Neurology</i> , 2014, 17, 313.	0.2	4
70	Amygdala Kindling Alters Estrus Cycle and Ovarian Morphology in the Rat. <i>International Journal of Sciences</i> , 2013, 2, 12-21.	0.2	4
71	Insular Cortex and Insular Epilepsy. <i>Journal of Neurology and Neuroscience</i> , 2015, 06, .	0.4	3
72	Analysis of the role of PurÎ± in the pathogenesis of Alzheimer's disease based on RNA-seq and ChIP-seq. <i>Scientific Reports</i> , 2021, 11, 12178.	1.6	3

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73	N-methyl-D-aspartate receptor subunit 1 regulates neurogenesis in the hippocampal dentate gyrus of schizophrenia-like mice. <i>Neural Regeneration Research</i> , 2019, 14, 2112.	1.6	3
74	The GABAB receptor agonist STX209 reverses the autism-like behaviour in an animal model of autism induced by prenatal exposure to valproic acid. <i>Molecular Medicine Reports</i> , 2022, 25, .	1.1	3
75	Do All Roads Lead to Rome? Genes Causing Dravet Syndrome and Dravet Syndrome-Like Phenotypes. <i>Frontiers in Neurology</i> , 2022, 13, 832380.	1.1	3
76	Prenatal GABAB Receptor Agonist Administration Corrects the Inheritance of Autism-Like Core Behaviors in Offspring of Mice Prenatally Exposed to Valproic Acid. <i>Frontiers in Psychiatry</i> , 2022, 13, 835993.	1.3	3
77	Hippocampal Proteomic Analysis in Male Mice Following Aggressive Behavior Induced by Long-Term Administration of Perampanel. <i>ACS Omega</i> , 2022, 7, 19388-19400.	1.6	3
78	The influence of glycerol on the binding of methotrexate to <i>Mycobacterium tuberculosis</i> dihydrofolate reductase: a molecular modelling study. <i>Molecular Simulation</i> , 2015, 41, 1540-1545.	0.9	2
79	Dimethylation of Histone 3 Lysine 9 is sensitive to the epileptic activity, and affects the transcriptional regulation of the potassium channel <i>Kcnj10</i> gene in epileptic rats. <i>Molecular Medicine Reports</i> , 2017, 17, 1368-1374.	1.1	2
80	Angiomatoid fibrous histiocytoma in the spinal canal of T3-T4: a case report and literature review. <i>British Journal of Neurosurgery</i> , 2020, , 1-7.	0.4	2
81	Alterations of RNAs in the insula related to cocaine-induced condition place preference in adolescent mice. <i>Biochemical and Biophysical Research Communications</i> , 2022, 621, 109-115.	1.0	1
82	Rare giant primary intracranial angioleiomyoma in lateral ventricle: a case report and the literature review. <i>British Journal of Neurosurgery</i> , 2020, 34, 710-714.	0.4	0