

Tao Sun

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,187
citations

218381

26
h-index

276539

41
g-index

87
all docs

87
docs citations

87
times ranked

2975
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Up to What Extent Does Dravet Syndrome Benefit From Neurostimulation Techniques?. <i>Frontiers in Neurology</i> , 2022, 13, 843975. | 1.1 | 6 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Analysis of the role of Pur1± in the pathogenesis of Alzheimer's disease based on RNA-seq and ChIP-seq. <i>Scientific Reports</i> , 2021, 11, 12178. | 1.6 | 3 |
| 9 | Is vagal-nerve stimulation safe during pregnancy? A mini review. <i>Epilepsy Research</i> , 2021, 174, 106671. | 0.8 | 10 |
| 10 | Semaglutide attenuates seizure severity and ameliorates cognitive dysfunction by blocking the NLR family pyrin domain containing 3 inflammasome in pentylenetetrazole-kindled mice. <i>International Journal of Molecular Medicine</i> , 2021, 48, . | 1.8 | 19 |
| 11 | SCN1A Mutation "Beyond Dravet Syndrome: A Systematic Review and Narrative Synthesis. <i>Frontiers in Neurology</i> , 2021, 12, 743726. | 1.1 | 30 |
| 12 | 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 |
| 13 | 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 |
| 14 | ALG13 participates in epileptogenesis via regulation of GABAA receptors in mouse models. <i>Cell Death Discovery</i> , 2020, 6, 87. | 2.0 | 14 |
| 15 | 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 |
| 16 | GPER-Deficient Rats Exhibit Lower Serum Corticosterone Level and Increased Anxiety-Like Behavior. <i>Neural Plasticity</i> , 2020, 2020, 1-22. | 1.0 | 16 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Neuroprotective effect of Verbascoside on hypoxic-ischemic brain damage in neonatal rat. <i>Neuroscience Letters</i> , 2019, 711, 134415. | 1.0 | 10 |
| 26 | Neuroprotective effect of Vanillin on hypoxic-ischemic brain damage in neonatal rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109196. | 2.5 | 34 |
| 27 | 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 |
| 28 | Amentoflavone Affects Epileptogenesis and Exerts Neuroprotective Effects by Inhibiting NLRP3 Inflammasome. <i>Frontiers in Pharmacology</i> , 2019, 10, 856. | 1.6 | 63 |
| 29 | The Anticonvulsant Effects of Baldrinol on Pilocarpine-Induced convulsion in Adult Male Mice. <i>Molecules</i> , 2019, 24, 1617. | 1.7 | 13 |
| 30 | 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 |
| 31 | ALG13 Deficiency Associated with Increased Seizure Susceptibility and Severity. <i>Neuroscience</i> , 2019, 409, 204-221. | 1.1 | 19 |
| 32 | 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 |
| 33 | 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 |
| 34 | Protective effects of Astragaloside 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 |
| 35 | 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 |
| 36 | Vitexin alleviates streptozotocin-induced sexual dysfunction and fertility impairments in male mice via modulating the hypothalamusâ€‘pituitaryâ€‘gonadal axis. <i>Chemico-Biological Interactions</i> , 2019, 297, 119-129. | 1.7 | 28 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Cistanche deserticola polysaccharides protects PC12 cells against OGD/RP-induced injury. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 671-680. | 2.5 | 25 |
| 40 | 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 |
| 41 | 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 |
| 42 | Safety and Efficacy of Atorvastatin for Chronic Subdural Hematoma in Chinese Patients. <i>JAMA Neurology</i> , 2018, 75, 1338. | 4.5 | 157 |
| 43 | 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 |
| 44 | Neuroprotection of Cytisine Against Cerebral Ischemia-Reperfusion Injury in Mice by Regulating NR2B-ERK/CREB Signal Pathway. <i>Neurochemical Research</i> , 2018, 43, 1575-1586. | 1.6 | 22 |
| 45 | Beneficial effects of Lycium barbarum 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 |
| 46 | Protective effects of aloperine on monocrotaline-induced pulmonary hypertension in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 632-641. | 2.5 | 26 |
| 47 | Neuroprotective Effects of Lycium barbarum Polysaccharide on Focal Cerebral Ischemic Injury in Mice. <i>Neurochemical Research</i> , 2017, 42, 2798-2813. | 1.6 | 24 |
| 48 | Protective effects of aloperin on monocrotaline-induced pulmonary hypertension via regulation of Rho A/Rho kinase pathway in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1161-1168. | 2.5 | 22 |
| 49 | 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 |
| 50 | Neuroprotective Effect of Chitosan Oligosaccharide on Hypoxic-Ischemic Brain Damage in Neonatal Rats. <i>Neurochemical Research</i> , 2017, 42, 3186-3198. | 1.6 | 22 |
| 51 | 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 |
| 52 | Anticonvulsant Effect of Swertiamarin Against Pilocarpine-Induced Seizures in Adult Male Mice. <i>Neurochemical Research</i> , 2017, 42, 3103-3113. | 1.6 | 17 |
| 53 | Effects of GABAB receptors in the insula on recognition memory observed with intelligence. <i>Behavioral and Brain Functions</i> , 2017, 13, 7. | 1.4 | 16 |
| 54 | Mechanism of Lycium barbarum polysaccharides on primary cultured rat hippocampal neurons. <i>Cell and Tissue Research</i> , 2017, 369, 455-465. | 1.5 | 17 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | Dimethylation of Histone 3 Lysine 9 is sensitive to the epileptic activity, and affects the transcriptional regulation of the potassium channel Kcnj10 gene in epileptic rats. <i>Molecular Medicine Reports</i> , 2017, 17, 1368-1374. | 1.1 | 2 |
| 59 | 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 |
| 60 | Antinociceptive effects of gentiopicroside 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 |
| 61 | Neuroprotective Effect of Matrine in Mouse Model of Vincristine-Induced Neuropathic Pain. <i>Neurochemical Research</i> , 2016, 41, 3147-3159. | 1.6 | 58 |
| 62 | 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 |
| 63 | Protective effect of gentiopicroside against dextran sodium sulfate induced colitis in mice. <i>International Immunopharmacology</i> , 2016, 39, 16-22. | 1.7 | 37 |
| 64 | Neuroprotective actions of taurine on hypoxic-ischemic brain damage in neonatal rats. <i>Brain Research Bulletin</i> , 2016, 124, 295-305. | 1.4 | 40 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Insular Cortex and Insular Epilepsy. <i>Journal of Neurology and Neuroscience</i> , 2015, 06, . | 0.4 | 3 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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| 73 | 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 |
| 74 | 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 |
| 75 | Amentoflavone protects hippocampal neurons: anti-inflammatory, antioxidative, and antiapoptotic effects. <i>Neural Regeneration Research</i> , 2015, 10, 1125. | 1.6 | 65 |
| 76 | 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 |
| 77 | The accessory gene regulator (<i>agr</i>) 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 |
| 78 | 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 |
| 79 | <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 |
| 80 | Amygdala Kindling Alters Estrus Cycle and Ovarian Morphology in the Rat. <i>International Journal of Sciences</i> , 2013, 2, 12-21. | 0.2 | 4 |
| 81 | Microsurgical and tractographic anatomical study of insular and transsylvian transinsular approach. <i>Neurological Sciences</i> , 2011, 32, 865-874. | 0.9 | 12 |
| 82 | Diffusion tensor tractography of the temporal stem on the inferior limiting sulcus. <i>Journal of Neurosurgery</i> , 2008, 108, 775-781. | 0.9 | 42 |