

Guo-Hua Wang

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,779
citations

236612

25
h-index

197535

49
g-index

100
all docs

100
docs citations

100
times ranked

4154
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Microglia/Macrophage Polarization Dynamics in White Matter after Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1864-1874. | 2.4 | 387 |
| 2 | HDAC inhibition prevents white matter injury by modulating microglia/macrophage polarization through the GSK3 β /PTEN/Akt axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2853-2858. | 3.3 | 303 |
| 3 | Gene regulatory networks controlling vertebrate retinal regeneration. <i>Science</i> , 2020, 370, . | 6.0 | 248 |
| 4 | n-3 PUFA supplementation benefits microglial responses to myelin pathology. <i>Scientific Reports</i> , 2014, 4, 7458. | 1.6 | 117 |
| 5 | Free-Radical Scavenger Edaravone Treatment Confers Neuroprotection Against Traumatic Brain Injury in Rats. <i>Journal of Neurotrauma</i> , 2011, 28, 2123-2134. | 1.7 | 97 |
| 6 | Omega-3 Polyunsaturated Fatty Acid Supplementation Improves Neurologic Recovery and Attenuates White Matter Injury after Experimental Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1474-1484. | 2.4 | 94 |
| 7 | Scriptaid, a Novel Histone Deacetylase Inhibitor, Protects Against Traumatic Brain Injury via Modulation of PTEN and AKT Pathway. <i>Neurotherapeutics</i> , 2013, 10, 124-142. | 2.1 | 88 |
| 8 | Neuroprotective effect of taurine against focal cerebral ischemia in rats possibly mediated by activation of both GABA A and glycine receptors. <i>Neuropharmacology</i> , 2007, 52, 1199-1209. | 2.0 | 80 |
| 9 | Ginsenoside Rg1 protects neurons from hypoxic-ischemic injury possibly by inhibiting Ca $^{2+}$ influx through NMDA receptors and L-type voltage-dependent Ca $^{2+}$ channels. <i>European Journal of Pharmacology</i> , 2008, 586, 90-99. | 1.7 | 64 |
| 10 | An-Gong-Niu-Huang Wan protects against cerebral ischemia induced apoptosis in rats: Up-regulation of Bcl-2 and down-regulation of Bax and caspase-3. <i>Journal of Ethnopharmacology</i> , 2014, 154, 156-162. | 2.0 | 61 |
| 11 | Neuroprotective Effects of Hyperbaric Oxygen Treatment on Traumatic Brain Injury in the Rat. <i>Journal of Neurotrauma</i> , 2010, 27, 1733-1743. | 1.7 | 58 |
| 12 | Ginseng for cognition. <i>The Cochrane Library</i> , 2010, , CD007769. | 1.5 | 57 |
| 13 | Field-induced quantum spin disordered state in spin-1/2 honeycomb magnet Na $_2$ Co $_2$ TeO $_6$. <i>Nature Communications</i> , 2021, 12, 5559. | 5.8 | 57 |
| 14 | ARQiv-HTS, a versatile whole-organism screening platform enabling in vivo drug discovery at high-throughput rates. <i>Nature Protocols</i> , 2016, 11, 2432-2453. | 5.5 | 50 |
| 15 | PI-3 K/AKT and ERK signaling pathways mediate leptin-induced inhibition of PPAR β gene expression in primary rat hepatic stellate cells. <i>Molecular and Cellular Biochemistry</i> , 2009, 325, 131-139. | 1.4 | 46 |
| 16 | Ethyl Pyruvate Protects against Blood-Brain Barrier Damage and Improves Long-term Neurological Outcomes in a Rat Model of Traumatic Brain Injury. <i>CNS Neuroscience and Therapeutics</i> , 2015, 21, 374-384. | 1.9 | 45 |
| 17 | Treatment with ginseng total saponins improves the neurorestoration of rat after traumatic brain injury. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1243-1255. | 2.0 | 42 |
| 18 | Predictors of secondary tricuspid regurgitation after left-sided valve replacement. <i>Surgery Today</i> , 2008, 38, 778-783. | 0.7 | 39 |

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|----|--|-----|-----------|
| 19 | Hypoxic Preconditioning Augments the Therapeutic Efficacy of Bone Marrow Stromal Cells in a Rat Ischemic Stroke Model. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 1115-1129. | 1.7 | 39 |
| 20 | Ultrasound molecular imaging of acute cardiac transplantation rejection using nanobubbles targeted to T lymphocytes. <i>Biomaterials</i> , 2018, 162, 200-207. | 5.7 | 38 |
| 21 | Xiao-Xu-Ming decoction preserves mitochondrial integrity and reduces apoptosis after focal cerebral ischemia and reperfusion via the mitochondrial p53 pathway. <i>Journal of Ethnopharmacology</i> , 2014, 151, 307-316. | 2.0 | 37 |
| 22 | Regulation of AKT phosphorylation by GSK3 β and PTEN to control chemoresistance in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2019, 176, 291-301. | 1.1 | 37 |
| 23 | Reduction of inflammatory responses by l-serine treatment leads to neuroprotection in mice after traumatic brain injury. <i>Neuropharmacology</i> , 2015, 95, 1-11. | 2.0 | 33 |
| 24 | Crystalline electric field excitations in the quantum spin liquid candidate NaYbSe_2 . <i>Physical Review B</i> , 2021, 103, . | 1.1 | 32 |
| 25 | Apurinic/Apyrimidinic Endonuclease 1 Upregulation Reduces Oxidative DNA Damage and Protects Hippocampal Neurons from Ischemic Injury. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 135-148. | 2.5 | 31 |
| 26 | Neuroprotective effect of L-serine against temporary cerebral ischemia in rats. <i>Journal of Neuroscience Research</i> , 2010, 88, 2035-2045. | 1.3 | 24 |
| 27 | PI3K/Akt Pathway Contributes to Neurovascular Unit Protection of Xiao-Xu-Ming Decoction against Focal Cerebral Ischemia and Reperfusion Injury in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-16. | 0.5 | 24 |
| 28 | Improvement in Regional CBF by L-Serine Contributes to Its Neuroprotective Effect in Rats after Focal Cerebral Ischemia. <i>PLoS ONE</i> , 2013, 8, e67044. | 1.1 | 24 |
| 29 | Treatment with ginseng total saponins reduces the secondary brain injury in rat after cortical impact. <i>Journal of Neuroscience Research</i> , 2012, 90, 1424-1436. | 1.3 | 23 |
| 30 | Improving acute cardiac transplantation rejection therapy using ultrasound-targeted FK506-loaded microbubbles in rats. <i>Biomaterials Science</i> , 2019, 7, 3729-3740. | 2.6 | 22 |
| 31 | An all-to-all approach to the identification of sequence-specific readers for epigenetic DNA modifications on cytosine. <i>Nature Communications</i> , 2021, 12, 795. | 5.8 | 22 |
| 32 | L-Serine, an Endogenous Amino Acid, Is a Potential Neuroprotective Agent for Neurological Disease and Injury. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 726665. | 1.4 | 21 |
| 33 | The neuroprotective effect of modified Shengyu decoction is mediated through an anti-inflammatory mechanism in the rat after traumatic brain injury. <i>Journal of Ethnopharmacology</i> , 2014, 151, 694-703. | 2.0 | 20 |
| 34 | Inhibition of NMDA Receptors Underlies the Neuroprotective Effect of Ginsenoside Rb3. <i>The American Journal of Chinese Medicine</i> , 2009, 37, 759-770. | 1.5 | 18 |
| 35 | L-Serine Treatment May Improve Neurorestoration of Rats after Permanent Focal Cerebral Ischemia Potentially Through Improvement of Neurorepair. <i>PLoS ONE</i> , 2014, 9, e93405. | 1.1 | 17 |
| 36 | Plasma Vasopressin, an Etiologic Factor of Motion Sickness in Rat and Human?. <i>Neuroendocrinology</i> , 2005, 81, 351-359. | 1.2 | 16 |

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|----|--|-----|-----------|
| 37 | Retinoic acid attenuates acute heart rejection by increasing regulatory T cell and repressing differentiation of Th17 cell in the presence of TGF- β 2. <i>Transplant International</i> , 2010, 23, 986-997. | 0.8 | 16 |
| 38 | Intravenous immunoglobulins for epilepsy. , 2011, , CD008557. | | 16 |
| 39 | Ferrostatin-1 Ameliorates Liver Dysfunction via Reducing Iron in Thioacetamide-induced Acute Liver Injury in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 869794. | 1.6 | 16 |
| 40 | PPAR- β Is Critical for HDAC3-Mediated Control of Oligodendrocyte Progenitor Cell Proliferation and Differentiation after Focal Demyelination. <i>Molecular Neurobiology</i> , 2020, 57, 4810-4824. | 1.9 | 15 |
| 41 | Large-scale phenotypic drug screen identifies neuroprotectants in zebrafish and mouse models of retinitis pigmentosa. <i>ELife</i> , 2021, 10, . | 2.8 | 15 |
| 42 | Negative Thermal Expansion of Ni-Doped MnCoGe at Room-Temperature Magnetic Tuning. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17531-17538. | 4.0 | 14 |
| 43 | Neuroprotective effect of l-serine against white matter demyelination by harnessing and modulating inflammation in mice. <i>Neuropharmacology</i> , 2019, 146, 39-49. | 2.0 | 14 |
| 44 | Preparation, optimization, and <i>in vivo</i> evaluation of an inhaled solution of total saponins of <i>Panax notoginseng</i> and its protective effect against idiopathic pulmonary fibrosis. <i>Drug Delivery</i> , 2020, 27, 1718-1728. | 2.5 | 14 |
| 45 | Improvement in the neural stem cell proliferation in rats treated with modified <i>Shengyu</i> decoction may contribute to the neurorestoration. <i>Journal of Ethnopharmacology</i> , 2015, 165, 9-19. | 2.0 | 12 |
| 46 | Genetic factors of cervical spondylotic myelopathy-a systemic review. <i>Journal of Clinical Neuroscience</i> , 2017, 44, 89-94. | 0.8 | 10 |
| 47 | A stable and easily reproducible model of focal white matter demyelination. <i>Journal of Neuroscience Methods</i> , 2018, 307, 230-239. | 1.3 | 10 |
| 48 | Bilobalide protects astrocytes from oxygen and glucose deprivation-induced oxidative injury by upregulating manganese superoxide dismutase. <i>Phytotherapy Research</i> , 2019, 33, 2329-2336. | 2.8 | 10 |
| 49 | Spin-split valence bands of the ferromagnetic insulator Cr ₂ Ge ₂ Te ₆ studied by angle-resolved photoemission spectroscopy. <i>Journal of Applied Physics</i> , 2020, 127, . | 1.1 | 10 |
| 50 | Effects of rhodioloside on the neurological functions of rats with total cerebral ischemia/reperfusion and cone neuron injury in the hippocampal CA1 region. <i>PeerJ</i> , 2020, 8, e10056. | 0.9 | 10 |
| 51 | Osteopontin, Bone Morphogenetic Protein-4, and Vitamin D Receptor Gene Polymorphisms in the Susceptibility and Clinical Severity of Spinal Tuberculosis. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 1881-1893. | 1.1 | 9 |
| 52 | Inner Ear Arginine Vasopressin-Vasopressin Receptor 2-Aquaporin 2 Signaling Pathway Is Involved in the Induction of Motion Sickness. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 248-260. | 1.3 | 9 |
| 53 | Hyperbaric oxygen therapy improves neurological function via the p38-MAPK/CCL2 signaling pathway following traumatic brain injury. <i>NeuroReport</i> , 2021, 32, 1255-1262. | 0.6 | 9 |
| 54 | Attenuation of Activated eIF2 β Signaling by ISRIB Treatment After Spinal Cord Injury Improves Locomotor Function. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 585-597. | 1.1 | 9 |

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|----|---|-----|-----------|
| 55 | MiR-1225-5p acts as tumor suppressor in glioblastoma via targeting <i>FNDC3B</i> . <i>Open Medicine (Poland)</i> , 2020, 15, 872-881. | 0.6 | 9 |
| 56 | Intravenous immunoglobulins for epilepsy. <i>The Cochrane Library</i> , 2017, 7, CD008557. | 1.5 | 8 |
| 57 | Topological Dirac surface states in ternary compounds GeBi_2Te_4 , SnBi_2Te_4 and $\text{Sn}_{0.571}\text{Bi}_{2.286}\text{Se}_4$ *. <i>Chinese Physics B</i> , 2021, 30, 127901. | 0.7 | 8 |
| 58 | Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe . <i>Physical Review Letters</i> , 2022, 128, 106802. | 2.9 | 7 |
| 59 | Novel glycine-dependent inactivation of NMDA receptors in cultured hippocampal neurons. <i>Neuroscience Bulletin</i> , 2012, 28, 550-560. | 1.5 | 6 |
| 60 | Hypoxic preconditioning enhances the differentiation of bone marrow stromal cells into mature oligodendrocytes via the mTOR/HIF1 α /VEGF pathway in traumatic brain injury. <i>Brain and Behavior</i> , 2020, 10, e01675. | 1.0 | 6 |
| 61 | Circadian clock disruption attenuated growth hormone(GH)-mediated signalling. <i>General and Comparative Endocrinology</i> , 2021, 302, 113670. | 0.8 | 6 |
| 62 | Prevalence and Predictors of Syphilis in Female Sex Workers in Eastern China: Findings from Six Consecutive Cross-Sectional Surveys. <i>Journal of Multidisciplinary Healthcare</i> , 2021, Volume 14, 853-860. | 1.1 | 6 |
| 63 | Feasibility, Reproducibility, and Prognostic Value of Fully Automated Measurement of Right Ventricular Longitudinal Strain. <i>Journal of the American Society of Echocardiography</i> , 2022, 35, 609-619. | 1.2 | 6 |
| 64 | Efficacy of radiation exposure in laryngeal squamous cell carcinoma is mediated by the LAMP3/LAMC2/tenascin-C pathway. <i>Experimental Biology and Medicine</i> , 2019, 244, 1070-1080. | 1.1 | 5 |
| 65 | Clinical effect observation of intravenous application of zoledronic acid in patients with cervical spondylosis and osteoporosis after anterior cervical discectomy and fusion: A randomized controlled study. <i>Journal of Orthopaedic Surgery</i> , 2019, 27, 230949901984702. | 0.4 | 5 |
| 66 | Intravenous immunoglobulins for epilepsy. <i>The Cochrane Library</i> , 2019, 2019, CD008557. | 1.5 | 5 |
| 67 | Electronic structure of non-centrosymmetric PtBi_2 studied by angle-resolved photoemission spectroscopy. <i>Journal of Applied Physics</i> , 2020, 128, . | 1.1 | 5 |
| 68 | Ultrastructural studies of the neurovascular unit reveal enhanced endothelial transcytosis in hyperglycemia-enhanced hemorrhagic transformation after stroke. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 123-133. | 1.9 | 5 |
| 69 | IRF4 ablation in B cells abrogates allogeneic B cell responses and prevents chronic transplant rejection. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 1122-1132. | 0.3 | 5 |
| 70 | Magnetic properties of the quasi two-dimensional centered honeycomb antiferromagnet GdInO_3 . <i>Physical Review B</i> , 2021, 104, . | 1.1 | 5 |
| 71 | Inhibition of S-adenosyl-L-homocysteine hydrolase alleviates alloimmune response by down-regulating CD4+ T-cell activation in a mouse heart transplantation model. <i>Annals of Translational Medicine</i> , 2020, 8, 1582-1582. | 0.7 | 5 |
| 72 | miR-107 is involved in the regulation of NEDD9-mediated invasion and metastasis in breast cancer. <i>BMC Cancer</i> , 2022, 22, 533. | 1.1 | 5 |

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|----|--|-----|-----------|
| 73 | Arrott plots, M^4 plots and the critical temperature of the weak ferromagnet FeGa_3 Ge_y . AIP Advances, 2018, 8, . | 0.6 | 4 |
| 74 | Effect of lipoprotein-associated phospholipase A2 inhibitor on insulin resistance in streptozotocin-induced diabetic pregnant rats. Endocrine Journal, 2018, 65, 903-913. | 0.7 | 4 |
| 75 | Isolated Severe Right Ventricular Hypertrophic Cardiomyopathy. Annals of Thoracic Surgery, 2019, 107, e23-e25. | 0.7 | 4 |
| 76 | Fasting Increases Iron Export by Modulating Ferroportin 1 Expression Through the Ghrelin/GHSR1 \pm /MAPK Pathway in the Liver. Biological Trace Element Research, 2021, 199, 267-277. | 1.9 | 4 |
| 77 | Inhibition of Musashi-1 enhances chemotherapeutic sensitivity in gastric cancer patient-derived xenografts. Experimental Biology and Medicine, 2022, 247, 868-879. | 1.1 | 4 |
| 78 | Acute sleep deprivation leads to growth hormone (GH) resistance in rats. General and Comparative Endocrinology, 2020, 296, 113545. | 0.8 | 3 |
| 79 | Association between probiotics and bronchopulmonary dysplasia in preterm infants. Scientific Reports, 2021, 11, 17060. | 1.6 | 3 |
| 80 | Association Between 2D- and 3D-Speckle-Tracking Longitudinal Strain and Cardiovascular Magnetic Resonance Evidence of Diffuse Myocardial Fibrosis in Heart Transplant Recipients. Frontiers in Cardiovascular Medicine, 2021, 8, 727745. | 1.1 | 3 |
| 81 | Oxidizing Hexagonal Boron Nitride into Fluorescent Structures by Photodissociated Directional Oxygen Radical. Journal of Physical Chemistry Letters, 2022, 13, 3369-3376. | 2.1 | 3 |
| 82 | An Ontology-Based Method for Similarity Calculation of Concepts in the Semantic Web. , 2006, , . | | 2 |
| 83 | Surgical repair of mitral valve bileaflet prolapse in pediatric patients. Journal of Cardiac Surgery, 2021, 36, 1858-1863. | 0.3 | 2 |
| 84 | The changes of Lp-PLA2 in patients with gestational diabetes and its clinical significance. Medicine (United States), 2021, 100, e26786. | 0.4 | 2 |
| 85 | Prognostic significance of expression of survivin in acute leukemia. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2002, 14, 265-269. | 0.7 | 1 |
| 86 | Orbital competition of Mn^{3+} and V^{3+} ions in $\text{Mn}_{1+x}\text{V}_{2-x}\text{O}_4$. Journal of Physics Condensed Matter, 2021, 33, 134002. | 0.7 | 1 |
| 87 | Timely and Appropriate Administration of Inhaled Argon Provides Better Outcomes for tMCAO Mice: A Controlled, Randomized, and Double-Blind Animal Study. Neurocritical Care, 2022, 37, 91-101. | 1.2 | 1 |
| 88 | Cardiac rhabdomyomas with atrial septal defect and tricuspid insufficiency: A case report. Journal of Cardiac Surgery, 2019, 34, 1123-1126. | 0.3 | 0 |
| 89 | Orthotopic Heart Transplantation for Congenital Heart Disease with Dextrocardia: A Single-Center Clinic Experience. BioMed Research International, 2020, 2020, 1-9. | 0.9 | 0 |
| 90 | Translation and Validation: Chinese Version of the HIV-Related Social Support Scale. International Journal of General Medicine, 2021, Volume 14, 4025-4030. | 0.8 | 0 |

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|----|---|-----|-----------|
| 91 | A New Method of Adjusting Inconsistent Pairwise Comparison Matrix. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 435-442. | 0.5 | 0 |
| 92 | Preventive effect of rosiglitazone on liver injury in a mouse model of decompression sickness. <i>Diving and Hyperbaric Medicine</i> , 2017, 47, 17-23. | 0.2 | 0 |
| 93 | Abstract 5441: Regulation of AKT phosphorylation by GSK3 ^β and PTEN to control chemoresistance in breast cancer. , 2018, , . | | 0 |
| 94 | Inhibition of NR2B-containing NMDA receptors during nitrogen narcosis. <i>Diving and Hyperbaric Medicine</i> , 2019, 49, 276-282. | 0.2 | 0 |