

Xiangyang Guo

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,847
citations

257101

24
h-index

315357

38
g-index

90
all docs

90
docs citations

90
times ranked

2425
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Neurological manifestations of patients with COVID-19: potential routes of SARS-CoV-2 neuroinvasion from the periphery to the brain. <i>Frontiers of Medicine</i> , 2020, 14, 533-541. | 1.5 | 205 |
| 2 | High Manganese, A Risk for Alzheimer's Disease: High Manganese Induces Amyloid- β Related Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 865-878. | 1.2 | 99 |
| 3 | Non-coding RNA in bladder cancer. <i>Cancer Letters</i> , 2020, 485, 38-44. | 3.2 | 86 |
| 4 | Bladder cancer stem cells: clonal origin and therapeutic perspectives. <i>Oncotarget</i> , 2017, 8, 66668-66679. | 0.8 | 72 |
| 5 | Baicalin Ameliorates Cognitive Impairment and Protects Microglia from LPS-Induced Neuroinflammation via the SIRT1/HMGB1 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-16. | 1.9 | 72 |
| 6 | Dexmedetomidine attenuates repeated propofol exposure-induced hippocampal apoptosis, PI3K/Akt/Gsk-3 β signaling disruption, and juvenile cognitive deficits in neonatal rats. <i>Molecular Medicine Reports</i> , 2016, 14, 769-775. | 1.1 | 59 |
| 7 | Surgery-Induced Hippocampal Angiotensin II Elevation Causes Blood-Brain Barrier Disruption via MMP/TIMP in Aged Rats. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 105. | 1.8 | 51 |
| 8 | Prebiotics Regulation of Intestinal Microbiota Attenuates Cognitive Dysfunction Induced by Surgery Stimulation in APP/PS1 Mice. , 2020, 11, 1029. | | 51 |
| 9 | Prophylactic angiotensin type 1 receptor antagonism confers neuroprotection in an aged rat model of postoperative cognitive dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 74-80. | 1.0 | 48 |
| 10 | Isoflurane anesthesia results in reversible ultrastructure and occludin tight junction protein expression changes in hippocampal bloodâ€“brain barrier in aged rats. <i>Neuroscience Letters</i> , 2015, 587, 51-56. | 1.0 | 46 |
| 11 | Anesthetic Isoflurane Induces DNA Damage Through Oxidative Stress and p53 Pathway. <i>Molecular Neurobiology</i> , 2017, 54, 3591-3605. | 1.9 | 46 |
| 12 | Calcineurin/nuclear factor- κ B signaling mediates isoflurane-induced hippocampal neuroinflammation and subsequent cognitive impairment in aged rats. <i>Molecular Medicine Reports</i> , 2017, 15, 201-209. | 1.1 | 45 |
| 13 | Hypoxia-inducible factor-1 α is involved in isoflurane-induced blood-brain barrier disruption in aged rats model of POCD. <i>Behavioural Brain Research</i> , 2018, 339, 39-46. | 1.2 | 44 |
| 14 | Protective effect of dapsone on cognitive impairment induced by propofol involves hippocampal autophagy. <i>Neuroscience Letters</i> , 2017, 649, 85-92. | 1.0 | 40 |
| 15 | Regional anesthesia and lipid resuscitation for local anesthetic systemic toxicity in China: results of a survey by the orthopedic anesthesia group of the chinese society of anesthesiology. <i>BMC Anesthesiology</i> , 2015, 16, 1. | 0.7 | 35 |
| 16 | The μ -opioid receptor (MOR) promotes tumor initiation in hepatocellular carcinoma. <i>Cancer Letters</i> , 2019, 453, 1-9. | 3.2 | 35 |
| 17 | Bloodâ€“brain barrier dysfunction in mice induced by lipopolysaccharide is attenuated by dapsone. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 419-424. | 1.0 | 34 |
| 18 | Phospholipid transfer protein (PLTP) deficiency impaired bloodâ€“brain barrier integrity by increasing cerebrovascular oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 352-356. | 1.0 | 32 |

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|----|---|-----|-----------|
| 19 | The brain, another potential target organ, needs early protection from SARS-CoV-2 neuroinvasion. <i>Science China Life Sciences</i> , 2020, 63, 771-773. | 2.3 | 31 |
| 20 | Cerebral oxygen saturation after multiple perioperative influential factors predicts the occurrence of postoperative cognitive dysfunction. <i>BMC Anesthesiology</i> , 2015, 15, 156. | 0.7 | 30 |
| 21 | Isoflurane induced cognitive impairment in aged rats through hippocampal calcineurin/NFAT signaling. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 889-895. | 1.0 | 30 |
| 22 | Effects of general versus subarachnoid anaesthesia on circadian melatonin rhythm and postoperative delirium in elderly patients undergoing hip fracture surgery: A prospective cohort clinical trial. <i>EBioMedicine</i> , 2021, 70, 103490. | 2.7 | 27 |
| 23 | Isoflurane-induced postoperative cognitive dysfunction is mediated by hypoxia-inducible factor-1-dependent neuroinflammation in aged rats. <i>Molecular Medicine Reports</i> , 2018, 17, 7730-7736. | 1.1 | 26 |
| 24 | Anesthesia Management and Perioperative Infection Control in Patients With the Novel Coronavirus. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1503-1508. | 0.6 | 26 |
| 25 | Melatonin Premedication Attenuates Isoflurane Anesthesia-Induced β -Amyloid Generation and Cholinergic Dysfunction in the Hippocampus of Aged Rats. <i>International Journal of Neuroscience</i> , 2013, 123, 213-220. | 0.8 | 25 |
| 26 | Celastrol Enhances Cell Viability and Inhibits Amyloid- β Production Induced by Lipopolysaccharide In Vitro. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 835-844. | 1.2 | 25 |
| 27 | Regional Metabolic Patterns of Abnormal Postoperative Behavioral Performance in Aged Mice Assessed by ^1H -NMR Dynamic Mapping Method. <i>Neuroscience Bulletin</i> , 2020, 36, 25-38. | 1.5 | 25 |
| 28 | Phospholipid transfer protein (PLTP) deficiency accelerates memory dysfunction through altering amyloid precursor protein (APP) processing in a mouse model of Alzheimer's disease. <i>Human Molecular Genetics</i> , 2015, 24, 5388-5403. | 1.4 | 24 |
| 29 | Lidocaine inhibits the metastatic potential of ovarian cancer by blocking $\text{Na}^+\text{V}1.5$ -mediated EMT and FAK/Paxillin signaling pathway. <i>Cancer Medicine</i> , 2021, 10, 337-349. | 1.3 | 24 |
| 30 | Autophagy prevents hippocampal β -synuclein oligomerization and early cognitive dysfunction after anesthesia/surgery in aged rats. <i>Aging</i> , 2020, 12, 7262-7281. | 1.4 | 24 |
| 31 | Metabolomic and Lipidomic Profiling of Preoperative CSF in Elderly Hip Fracture Patients With Postoperative Delirium. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 570210. | 1.7 | 22 |
| 32 | Dapsone protects brain microvascular integrity from high-fat diet induced LDL oxidation. <i>Cell Death and Disease</i> , 2018, 9, 683. | 2.7 | 21 |
| 33 | Melatonin Attenuates Isoflurane-Induced Acute Memory Impairments in Aged Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 113, 215-220. | 1.2 | 19 |
| 34 | Prophylactic Melatonin Attenuates Isoflurane-Induced Cognitive Impairment in Aged Rats through Hippocampal Melatonin Receptor 2 α -cAMP Response Element Binding Signalling. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 219-226. | 1.2 | 19 |
| 35 | Cholecystokinin octapeptide improves hippocampal glutamatergic synaptogenesis and postoperative cognition by inhibiting induction of A1 reactive astrocytes in aged mice. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1374-1384. | 1.9 | 18 |
| 36 | JNK inhibition alleviates delayed neurocognitive recovery after surgery by limiting microglia pyroptosis. <i>International Immunopharmacology</i> , 2021, 99, 107962. | 1.7 | 18 |

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|----|---|-----|-----------|
| 37 | Proteomic Analysis of Preoperative CSF Reveals Risk Biomarkers of Postoperative Delirium. <i>Frontiers in Psychiatry</i> , 2020, 11, 170. | 1.3 | 17 |
| 38 | Exosome β -Synuclein Release in Plasma May be Associated With Postoperative Delirium in Hip Fracture Patients. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 67. | 1.7 | 17 |
| 39 | Surgical stress induced depressive and anxiety like behavior are improved by dapsone via modulating NADPH oxidase level. <i>Neuroscience Letters</i> , 2015, 585, 103-108. | 1.0 | 16 |
| 40 | A cross-sectional study in a tertiary care hospital in China: noise or silence in the operating room. <i>BMJ Open</i> , 2017, 7, e016316. | 0.8 | 15 |
| 41 | The Non-peptide Angiotensin-(1 \rightarrow 7) Mimic AVE 0991 Attenuates Delayed Neurocognitive Recovery After Laparotomy by Reducing Neuroinflammation and Restoring Blood-Brain Barrier Integrity in Aged Rats. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 624387. | 1.7 | 14 |
| 42 | Anti-RAGE antibody attenuates isoflurane-induced cognitive dysfunction in aged rats. <i>Behavioural Brain Research</i> , 2017, 322, 167-176. | 1.2 | 13 |
| 43 | Muscular tissue oxygen saturation during robotic hysterectomy and postoperative nausea and vomiting: exploring the potential therapeutic thresholds. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 597-604. | 0.7 | 13 |
| 44 | Preemptive analgesia with a single low dose of intrathecal morphine in multilevel posterior lumbar interbody fusion surgery: a double-blind, randomized, controlled trial. <i>Spine Journal</i> , 2020, 20, 989-997. | 0.6 | 13 |
| 45 | Increased extrasynaptic GluN2B expression is involved in cognitive impairment after isoflurane anesthesia. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 161-168. | 0.8 | 12 |
| 46 | Isoflurane-Induced Postoperative Neurovascular and Cognitive Dysfunction Is Associated with VEGF Overexpression in Aged Rats. <i>Journal of Molecular Neuroscience</i> , 2019, 69, 215-223. | 1.1 | 11 |
| 47 | Genome-Wide Screen of the Hippocampus in Aged Rats Identifies Mitochondria, Metabolism and Aging Processes Implicated in Sevoflurane Anesthesia. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 122. | 1.7 | 11 |
| 48 | Frontiers in Bladder Cancer Genomic Research. <i>Frontiers in Oncology</i> , 2021, 11, 670729. | 1.3 | 11 |
| 49 | Inhibition of β -Synuclein Accumulation Improves Neuronal Apoptosis and Delayed Postoperative Cognitive Recovery in Aged Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-21. | 1.9 | 10 |
| 50 | Combined incisional ropivacaine infiltration and pulmonary recruitment manoeuvre for postoperative pain relief after diagnostic hysteroscopy and laparoscopy. <i>Chinese Medical Journal</i> , 2014, 127, 825-9. | 0.9 | 10 |
| 51 | Propofol Inhibits the Proliferation, Migration, and Stem-like Properties of Bladder Cancer Mainly by Suppressing the Hedgehog Pathway. <i>Cell Transplantation</i> , 2021, 30, 096368972098511. | 1.2 | 9 |
| 52 | Risk Factors of Cerebral Infarction and Myocardial Infarction after Carotid Endarterectomy Analyzed by Machine Learning. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-8. | 0.7 | 8 |
| 53 | Muscular Tissue Oxygen Saturation and Posthysterectomy Nausea and Vomiting. <i>Anesthesiology</i> , 2020, 133, 318-331. | 1.3 | 8 |
| 54 | Perioperative management of paraganglioma and catecholamine-induced cardiomyopathy in child—a case report and review of the literature. <i>BMC Anesthesiology</i> , 2017, 17, 142. | 0.7 | 7 |

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|----|--|-----|-----------|
| 55 | Melatonin ameliorates the sleep disorder induced by surgery under sevoflurane anaesthesia in aged mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 128, 256-267. | 1.2 | 7 |
| 56 | Potential Serum Biomarkers for Postoperative Neurocognitive Disorders Based on Proteomic Analysis of Cognitive-Related Brain Regions. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 741263. | 1.7 | 7 |
| 57 | Enhanced preoperative education about continuous femoral nerve block with patient-controlled analgesia improves the analgesic effect for patients undergoing total knee arthroplasty and reduces the workload for ward nurses. <i>BMC Anesthesiology</i> , 2019, 19, 150. | 0.7 | 6 |
| 58 | Circulatory collapse during wound closure in spine surgery with an unknown cause: a possible adverse effect of topical application of vancomycin?. <i>BMC Anesthesiology</i> , 2021, 21, 4. | 0.7 | 6 |
| 59 | Dantrolene Available in China for Malignant Hyperthermia Treatment. <i>Anesthesiology</i> , 2021, , . | 1.3 | 6 |
| 60 | Application of a new combined model including radiological indicators to predict difficult airway in patients undergoing surgery for cervical spondylosis. <i>Chinese Medical Journal</i> , 2014, 127, 4043-8. | 0.9 | 6 |
| 61 | Effects of propofol and etomidate anesthesia on cardiovascular miRNA expression: the different profiles?. <i>BMC Anesthesiology</i> , 2018, 18, 149. | 0.7 | 5 |
| 62 | Ketamine exacerbates cortical neuroapoptosis under hyperoxic conditions by upregulating expression of the N-methyl-D-aspartate receptor subunit NR1 in the developing rat brain. <i>BMC Anesthesiology</i> , 2018, 18, 52. | 0.7 | 5 |
| 63 | Anterior neck soft tissue thickness for airway evaluation measured by MRI in patients with cervical spondylosis: prospective cohort study. <i>BMJ Open</i> , 2019, 9, e029987. | 0.8 | 5 |
| 64 | Effects of general versus regional anaesthesia on circadian melatonin rhythm and its association with postoperative delirium in elderly patients undergoing hip fracture surgery: study protocol for a prospective cohort clinical trial. <i>BMJ Open</i> , 2021, 11, e043720. | 0.8 | 5 |
| 65 | Preoperative X-ray C2C6AR is applicable for prediction of difficult laryngoscopy in patients with cervical spondylosis. <i>BMC Anesthesiology</i> , 2021, 21, 111. | 0.7 | 5 |
| 66 | CTCs detection from intraoperative salvaged blood in RCCâ€“IVC thrombus patients by negative enrichment and iFISH identification: a preliminary study. <i>BMC Urology</i> , 2021, 21, 89. | 0.6 | 5 |
| 67 | Predictive Value of Preoperative Profiling of Serum Metabolites for Emergence Agitation After General Anesthesia in Adult Patients. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 739227. | 1.6 | 5 |
| 68 | Nobiletin Attenuates Anesthesia/Surgery-Induced Neurocognitive Decline by Preserving the Expression of Clock Genes in Mice. <i>Frontiers in Neuroscience</i> , 0, 16, . | 1.4 | 5 |
| 69 | Hundred most cited articles in perioperative neurocognitive disorder: a bibliometric analysis. <i>BMC Anesthesiology</i> , 2021, 21, 186. | 0.7 | 4 |
| 70 | Neurofilament degradation is involved in laparotomy-induced cognitive dysfunction in aged rats. <i>Aging</i> , 2020, 12, 25643-25657. | 1.4 | 3 |
| 71 | Differences in lumbar dural sac dimension in supine and lateral positions in late pregnancy: a magnetic resonance imaging study. <i>International Journal of Obstetric Anesthesia</i> , 2016, 26, 19-23. | 0.2 | 2 |
| 72 | A study of optimal concentration range and time window of sevoflurane preconditioning for brain protection in MCAO rats. <i>BMC Anesthesiology</i> , 2020, 20, 78. | 0.7 | 2 |

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|----|---|-----|-----------|
| 73 | Effective background infusion rate of ropivacaine 0.2% for patient-controlled interscalene brachial plexus analgesia after rotator cuff repair surgery. Chinese Medical Journal, 2014, 127, 4119-23. | 0.9 | 2 |
| 74 | Changes and closure grades of the laryngeal vestibule in different positions after anesthesia induction. Minerva Anesthesiologica, 2022, , . | 0.6 | 2 |
| 75 | The safety profile of blood salvage applied for collected blood with amniotic fluid during cesarean section. BMC Pregnancy and Childbirth, 2022, 22, 160. | 0.9 | 1 |
| 76 | Identification of Serum Biomarkers Associated With Emergence Agitation After General Anesthesia in Adult Patients: A Metabolomics Analysis. Frontiers in Medicine, 2022, 9, 828867. | 1.2 | 1 |
| 77 | The Effect of Propofol versus Sevoflurane on Postoperative Delirium in Parkinson's Disease Patients Undergoing Deep Brain Stimulation Surgery: An Observational Study. Brain Sciences, 2022, 12, 689. | 1.1 | 1 |
| 78 | An Exploration and Technical Notes for Advanced Airway Management on the Ski Slope: A Simulation Experiment. Emergency Medicine International, 2021, 2021, 1-5. | 0.3 | 0 |