

# Zhongcong Xie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2739683/publications.pdf>

Version: 2024-02-01

130  
papers

7,609  
citations

50276

46  
h-index

58581

82  
g-index

133  
all docs

133  
docs citations

133  
times ranked

5404  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Lasting impact of general anaesthesia on the brain: mechanisms and relevance. <i>Nature Reviews Neuroscience</i> , 2016, 17, 705-717.                                       | 10.2 | 371       |
| 2  | Selective Anesthesia-induced Neuroinflammation in Developing Mouse Brain and Cognitive Impairment. <i>Anesthesiology</i> , 2013, 118, 502-515.                              | 2.5  | 334       |
| 3  | The common inhalation anesthetic isoflurane induces caspase activation and increases amyloid $\beta$ protein level in vivo. <i>Annals of Neurology</i> , 2008, 64, 618-627. | 5.3  | 281       |
| 4  | The Common Inhalation Anesthetic Isoflurane Induces Apoptosis and Increases Amyloid $\beta$ Protein Levels. <i>Anesthesiology</i> , 2006, 104, 988-994.                     | 2.5  | 270       |
| 5  | The inhalation anesthetic isoflurane increases levels of proinflammatory TNF- $\alpha$ , IL-6, and IL-1 $\beta$ . <i>Neurobiology of Aging</i> , 2012, 33, 1364-1378.       | 3.1  | 233       |
| 6  | The Common Inhalational Anesthetic Sevoflurane Induces Apoptosis and Increases $\beta$ -Amyloid Protein Levels. <i>Archives of Neurology</i> , 2009, 66, 620-31.            | 4.5  | 228       |
| 7  | The Inhalation Anesthetic Isoflurane Induces a Vicious Cycle of Apoptosis and Amyloid $\beta$ -Protein Accumulation. <i>Journal of Neuroscience</i> , 2007, 27, 1247-1254.  | 3.6  | 224       |
| 8  | Anesthetics isoflurane and desflurane differently affect mitochondrial function, learning, and memory. <i>Annals of Neurology</i> , 2012, 71, 687-698.                      | 5.3  | 218       |
| 9  | Gut microbiota is critical for the induction of chemotherapy-induced pain. <i>Nature Neuroscience</i> , 2017, 20, 1213-1216.  | 14.8 | 194       |
| 10 | The Mitochondrial Pathway of Anesthetic Isoflurane-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2010, 285, 4025-4037.  | 3.4  | 191       |
| 11 | Postoperative Delirium and Postoperative Cognitive Dysfunction. <i>Anesthesiology</i> , 2019, 131, 477-491.   | 2.5  | 183       |
| 12 | Anesthetic Sevoflurane Causes Neurotoxicity Differently in Neonatal Na $\beta$ -ve and Alzheimer Disease Transgenic Mice. <i>Anesthesiology</i> , 2010, 112, 1404-1416.     | 2.5  | 183       |
| 13 | Alzheimer's disease and post-operative cognitive dysfunction. <i>Experimental Gerontology</i> , 2006, 41, 346-359.  | 2.8  | 154       |
| 14 | Anesthesia and Surgery Impair Blood-Brain Barrier and Cognitive Function in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 902.  | 4.8  | 153       |
| 15 | Perioperative Cognitive Decline in the Aging Population. <i>Mayo Clinic Proceedings</i> , 2011, 86, 885-893.  | 3.0  | 150       |
| 16 | Sleep disturbance induces neuroinflammation and impairment of learning and memory. <i>Neurobiology of Disease</i> , 2012, 48, 348-355.                                      | 4.4  | 150       |
| 17 | Sevoflurane Induces Tau Phosphorylation and Glycogen Synthase Kinase 3 $\beta$ Activation in Young Mice. <i>Anesthesiology</i> , 2014, 121, 510-527.                        | 2.5  | 118       |
| 18 | Consensus Statement: First International Workshop on Anesthetics and Alzheimer's Disease. <i>Anesthesia and Analgesia</i> , 2009, 108, 1627-1630.                           | 2.2  | 112       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Isoflurane-Induced Apoptosis: A Potential Pathogenic Link Between Delirium and Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 1300-1306.       | 3.6 | 108       |
| 20 | Isoflurane-Induced Caspase-3 Activation Is Dependent on Cytosolic Calcium and Can Be Attenuated by Memantine. <i>Journal of Neuroscience</i> , 2008, 28, 4551-4560.                                      | 3.6 | 108       |
| 21 | Perioperative Neurocognitive Disorder. <i>Anesthesiology</i> , 2020, 132, 55-68.   | 2.5 | 106       |
| 22 | Battery of behavioral tests in mice to study postoperative delirium. <i>Scientific Reports</i> , 2016, 6, 29874.   | 3.3 | 103       |
| 23 | Anesthesia, Calcium Homeostasis and Alzheimers Disease. <i>Current Alzheimer Research</i> , 2009, 6, 30-35.  | 1.4 | 99        |
| 24 | The Effects of Isoflurane and Desflurane on Cognitive Function in Humans. <i>Anesthesia and Analgesia</i> , 2012, 114, 410-415.  | 2.2 | 97        |
| 25 | The Inhalation Anesthetic Desflurane Induces Caspase Activation and Increases Amyloid $\beta$ -Protein Levels under Hypoxic Conditions. <i>Journal of Biological Chemistry</i> , 2008, 283, 11866-11875. | 3.4 | 92        |
| 26 | Ubiquilin 1 Modulates Amyloid Precursor Protein Trafficking and $A\beta$ Secretion. <i>Journal of Biological Chemistry</i> , 2006, 281, 32240-32253.   | 3.4 | 90        |
| 27 | Preoperative Cognitive Stratification of Older Elective Surgical Patients: A Cross-Sectional Study. <i>Anesthesia and Analgesia</i> , 2016, 123, 186-192.  | 2.2 | 90        |
| 28 | Age-dependent postoperative cognitive impairment and Alzheimer-related neuropathology in mice. <i>Scientific Reports</i> , 2014, 4, 3766.  | 3.3 | 89        |
| 29 | Nitrous Oxide Plus Isoflurane Induces Apoptosis and Increases $\beta$ -Amyloid Protein Levels. <i>Anesthesiology</i> , 2009, 111, 741-752.   | 2.5 | 81        |
| 30 | Tau Contributes to Sevoflurane-induced Neurocognitive Impairment in Neonatal Mice. <i>Anesthesiology</i> , 2020, 133, 595-610.   | 2.5 | 78        |
| 31 | Neuropathic Pain Causes Pyramidal Neuronal Hyperactivity in the Anterior Cingulate Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 107.  | 3.7 | 73        |
| 32 | Postoperative Delirium Is Associated with Long-term Decline in Activities of Daily Living. <i>Anesthesiology</i> , 2019, 131, 492-500.   | 2.5 | 71        |
| 33 | Cerebrospinal Fluid $A\beta$ to Tau Ratio and Postoperative Cognitive Change. <i>Annals of Surgery</i> , 2013, 258, 364-369.   | 4.2 | 69        |
| 34 | Preoperative cerebrospinal fluid $A\beta$ /Tau ratio and postoperative delirium. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 319-328.   | 3.7 | 68        |
| 35 | Anesthetic Isoflurane Increases Phosphorylated Tau Levels Mediated by Caspase Activation and $A\beta$ Generation. <i>PLoS ONE</i> , 2012, 7, e39386.   | 2.5 | 67        |
| 36 | Neurotoxicity of General Anesthetics: An Update. <i>Current Pharmaceutical Design</i> , 2012, 18, 6232-6240.   | 1.9 | 65        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Epigenetic Enhancement of Brain-Derived Neurotrophic Factor Signaling Pathway Improves Cognitive Impairments Induced by Isoflurane Exposure in Aged Rats. <i>Molecular Neurobiology</i> , 2014, 50, 937-944.   | 4.0 | 65        |
| 38 | Effects of Anesthetic Isoflurane and Desflurane on Human Cerebrospinal Fluid A $\beta$ and $\tau$ , Level. <i>Anesthesiology</i> , 2013, 119, 52-60.   | 2.5 | 61        |
| 39 | Sevoflurane Acts on Ubiquitination-Proteasome Pathway to Reduce Postsynaptic Density 95 Protein Levels in Young Mice. <i>Anesthesiology</i> , 2017, 127, 961-975.  | 2.5 | 61        |
| 40 | Surgical Incision-Induced Nociception Causes Cognitive Impairment and Reduction in Synaptic NMDA Receptor 2B in Mice. <i>Journal of Neuroscience</i> , 2013, 33, 17737-17748.  | 3.6 | 60        |
| 41 | Systemic Inflammation Impairs Attention and Cognitive Flexibility but Not Associative Learning in Aged Rats: Possible Implications for Delirium. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 107.  | 3.4 | 59        |
| 42 | General anesthetics and $\beta$ -amyloid protein. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 47, 140-146.   | 4.8 | 57        |
| 43 | Anesthetic Propofol Attenuates the Isoflurane-Induced Caspase-3 Activation and A $\beta$ Oligomerization. <i>PLoS ONE</i> , 2011, 6, e27019.   | 2.5 | 56        |
| 44 | Disruption of Hippocampal Neuregulin 1-ErbB4 Signaling Contributes to the Hippocampus-dependent Cognitive Impairment Induced by Isoflurane in Aged Mice. <i>Anesthesiology</i> , 2014, 121, 79-88.   | 2.5 | 55        |
| 45 | Peripheral Surgical Wounding and Age-Dependent Neuroinflammation in Mice. <i>PLoS ONE</i> , 2014, 9, e96752.   | 2.5 | 51        |
| 46 | Spatial Memory Is Intact in Aged Rats After Propofol Anesthesia. <i>Anesthesia and Analgesia</i> , 2008, 107, 1211-1215.   | 2.2 | 49        |
| 47 | Anesthesia and surgery induce age-dependent changes in behaviors and microbiota. <i>Aging</i> , 2020, 12, 1965-1986.   | 3.1 | 49        |
| 48 | RNA Interference Silencing of the Adaptor Molecules ShcC and Fe65 Differentially Affect Amyloid Precursor Protein Processing and A $\beta$ Generation. <i>Journal of Biological Chemistry</i> , 2007, 282, 4318-4325.                                      | 3.4 | 48        |
| 49 | RNA Interference-mediated Silencing of X11 $\beta$ and X11 $\gamma$ Attenuates Amyloid $\beta$ -Protein Levels via Differential Effects on $\beta$ -Amyloid Precursor Protein Processing. <i>Journal of Biological Chemistry</i> , 2005, 280, 15413-15421. | 3.4 | 46        |
| 50 | Anesthetic Isoflurane Induces DNA Damage Through Oxidative Stress and p53 Pathway. <i>Molecular Neurobiology</i> , 2017, 54, 3591-3605.  | 4.0 | 46        |
| 51 | Isolation and characterization of the Drosophila ubiquilin ortholog dUbqln: in vivo interaction with early-onset Alzheimer disease genes. <i>Human Molecular Genetics</i> , 2007, 16, 2626-2639.   | 2.9 | 45        |
| 52 | Chronic Treatment with Anesthetic Propofol Improves Cognitive Function and Attenuates Caspase Activation in Both Aged and Alzheimer's Disease Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 499-513.                                  | 2.6 | 42        |
| 53 | Anesthetic Sevoflurane Reduces Levels of Hippocalcin and Postsynaptic Density Protein 95. <i>Molecular Neurobiology</i> , 2015, 51, 853-863.   | 4.0 | 41        |
| 54 | Identification of Plasma Proteome Signatures Associated With Surgery Using SOMAscan. <i>Annals of Surgery</i> , 2021, 273, 732-742.  | 4.2 | 41        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Vitamin C Attenuates Isoflurane-Induced Caspase-3 Activation and Cognitive Impairment. <i>Molecular Neurobiology</i> , 2015, 52, 1580-1589.   | 4.0 | 40        |
| 56 | Disrupted folate metabolism with anesthesia leads to myelination deficits mediated by epigenetic regulation of ERMN. <i>EBioMedicine</i> , 2019, 43, 473-486.   | 6.1 | 40        |
| 57 | Endocannabinoid signaling in hypothalamic circuits regulates arousal from general anesthesia in mice. <i>Journal of Clinical Investigation</i> , 2017, 127, 2295-2309.  | 8.2 | 39        |
| 58 | The anesthetic sevoflurane induces tau trafficking from neurons to microglia. <i>Communications Biology</i> , 2021, 4, 560.   | 4.4 | 38        |
| 59 | Anesthesia/Surgery Induces Cognitive Impairment in Female Alzheimer's Disease Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 505-518.   | 2.6 | 37        |
| 60 | Academic Productivity of Directors of ACGME-Accredited Residency Programs in Surgery and Anesthesiology. <i>Anesthesia and Analgesia</i> , 2014, 118, 200-205.  | 2.2 | 36        |
| 61 | Surgery plus anesthesia induces loss of attention in mice. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 346.  | 3.7 | 36        |
| 62 | Sevoflurane induces cognitive impairment in young mice via autophagy. <i>PLoS ONE</i> , 2019, 14, e0216372.   | 2.5 | 35        |
| 63 | The Potential Dual Effects of Anesthetic Isoflurane on $\beta$ -Induced Apoptosis. <i>Current Alzheimer Research</i> , 2011, 8, 741-752.  | 1.4 | 34        |
| 64 | Hippocampal Glutamate Level and Glutamate Aspartate Transporter (GLAST) are Up-Regulated in Senior Rat Associated with Isoflurane-Induced Spatial Learning/Memory Impairment. <i>Neurochemical Research</i> , 2013, 38, 59-73.                          | 3.3 | 34        |
| 65 | Hypocapnia Induces Caspase-3 Activation and Increases $\beta$ Production. <i>Neurodegenerative Diseases</i> , 2004, 1, 29-37.   | 1.4 | 33        |
| 66 | Perioperative probiotic treatment decreased the incidence of postoperative cognitive impairment in elderly patients following non-cardiac surgery: A randomised double-blind and placebo-controlled trial. <i>Clinical Nutrition</i> , 2021, 40, 64-71. | 5.0 | 33        |
| 67 | Development of a Dynamic Multi-Protein Signature of Postoperative Delirium. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 261-268.   | 3.6 | 31        |
| 68 | Evidence of mother-to-newborn infection with COVID-19. <i>British Journal of Anaesthesia</i> , 2020, 125, e245-e247.  | 3.4 | 31        |
| 69 | Using the Chinese version of Memorial Delirium Assessment Scale to describe postoperative delirium after hip surgery. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 297.  | 3.4 | 29        |
| 70 | LncRNA Rik-203 contributes to anesthesia neurotoxicity via microRNA-101a-3p and GSK-3 $\beta$ -mediated neural differentiation. <i>Scientific Reports</i> , 2019, 9, 6822.  | 3.3 | 29        |
| 71 | Amyloid- $\beta$ Production Via Cleavage of Amyloid- $\beta$ Protein Precursor is Modulated by Cell Density. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 683-694.   | 2.6 | 28        |
| 72 | Effects of RNA Interference-mediated Silencing of $\beta$ -Secretase Complex Components on Cell Sensitivity to Caspase-3 Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 34130-34137.   | 3.4 | 27        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | The Effects of Propofol and Sevoflurane on Postoperative Delirium in Older Patients: A Randomized Clinical Trial Study. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1627-1636.   | 2.6  | 27        |
| 74 | Proteome-Wide Analysis Using SOMAscan Identifies and Validates Chitinase-3-Like Protein 1 as a Risk and Disease Marker of Delirium Among Older Adults Undergoing Major Elective Surgery. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 484-493. | 3.6  | 27        |
| 75 | Isoflurane-induced spatial memory impairment by a mechanism independent of amyloid-beta levels and tau protein phosphorylation changes in aged rats. <i>Neurological Research</i> , 2012, 34, 3-10.  | 1.3  | 26        |
| 76 | Anesthetic Isoflurane or Desflurane Plus Surgery Differently Affects Cognitive Function in Alzheimer's Disease Transgenic Mice. <i>Molecular Neurobiology</i> , 2018, 55, 5623-5638.   | 4.0  | 26        |
| 77 | The Potential Dual Effects of Anesthetic Isoflurane on Hypoxia-Induced Caspase-3 Activation and Increases in $\tau$ -Site Amyloid Precursor Protein-Cleaving Enzyme Levels. <i>Anesthesia and Analgesia</i> , 2011, 113, 145-152.  | 2.2  | 25        |
| 78 | Different MMSE Score Is Associated with Postoperative Delirium in Young-Old and Old-Old Adults. <i>PLoS ONE</i> , 2015, 10, e0139879.  | 2.5  | 25        |
| 79 | Mechanistic insight into sevoflurane-associated developmental neurotoxicity. <i>Cell Biology and Toxicology</i> , 2022, 38, 927-943.   | 5.3  | 25        |
| 80 | Effects of RNAi-Mediated Silencing of PEN-2, APH-1a, and Nicastrin on Wild-Type vs FAD Mutant Forms of Presenilin 1. <i>Journal of Molecular Neuroscience</i> , 2005, 25, 067-078.   | 2.3  | 24        |
| 81 | The potential dual effects of sevoflurane on AKT/GSK3 $\beta$ signaling pathway. <i>Medical Gas Research</i> , 2014, 4, 5.   | 2.3  | 24        |
| 82 | Targeted metabolomics analysis of postoperative delirium. <i>Scientific Reports</i> , 2021, 11, 1521.  | 3.3  | 24        |
| 83 | Anesthetic Propofol Promotes Tumor Metastasis in Lungs via GABA <sub>A</sub> -Dependent TRIM21 Modulation of Src Expression. <i>Advanced Science</i> , 2021, 8, e2102079.  | 11.2 | 23        |
| 84 | 2-Deoxy-D-Glucose Attenuates Isoflurane-Induced Cytotoxicity in an In Vitro Cell Culture Model of H4 Human Neuroglioma Cells. <i>Anesthesia and Analgesia</i> , 2011, 113, 1468-1475.  | 2.2  | 21        |
| 85 | Hyperhomocysteinemia is key for increased susceptibility to PND in aged mice. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1435-1444.  | 3.7  | 21        |
| 86 | Apolipoprotein E genotype and the association between C-reactive protein and postoperative delirium: Importance of gene-protein interactions. <i>Alzheimer's and Dementia</i> , 2020, 16, 572-580.   | 0.8  | 21        |
| 87 | Behavioural impairments after exposure of neonatal mice to propofol are accompanied by reductions in neuronal activity in cortical circuitry. <i>British Journal of Anaesthesia</i> , 2021, 126, 1141-1156.  | 3.4  | 21        |
| 88 | Dexmedetomidine and Clonidine Attenuate Sevoflurane-Induced Tau Phosphorylation and Cognitive Impairment in Young Mice via $\alpha$ -2 Adrenergic Receptor. <i>Anesthesia and Analgesia</i> , 2021, 132, 878-889.  | 2.2  | 21        |
| 89 | Peripheral surgical wounding may induce cognitive impairment through interleukin-6-dependent mechanisms in aged mice. <i>Medical Gas Research</i> , 2016, 6, 180.  | 2.3  | 21        |
| 90 | Testosterone attenuates sevoflurane-induced tau phosphorylation and cognitive impairment in neonatal male mice. <i>British Journal of Anaesthesia</i> , 2021, 127, 929-941.  | 3.4  | 21        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Direct Tracking of Amyloid and Tau Dynamics in Neuroblastoma Cells Using Nanoplasmonic Fiber Tip Probes. <i>Nano Letters</i> , 2016, 16, 3989-3994.  | 9.1 | 20        |
| 92  | Chronic treatment with anesthetic propofol attenuates $\beta$ -amyloid protein levels in brain tissues of aged mice. <i>Translational Neurodegeneration</i> , 2014, 3, 8.  | 8.0 | 19        |
| 93  | The Utilization of Retinal Nerve Fiber Layer Thickness to Predict Cognitive Deterioration. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 399-405.  | 2.6 | 19        |
| 94  | Subcutaneous administration of $\beta$ -hydroxybutyrate improves learning and memory of sepsis surviving mice. <i>Neurotherapeutics</i> , 2020, 17, 616-626.   | 4.4 | 19        |
| 95  | Anesthetic Sevoflurane Causes Rho-Dependent Filopodial Shortening in Mouse Neurons. <i>PLoS ONE</i> , 2016, 11, e0159637.  | 2.5 | 18        |
| 96  | Inflammatory Pain May Induce Cognitive Impairment Through an Interleukin-6-Dependent and Postsynaptic Density-95-Associated Mechanism. <i>Anesthesia and Analgesia</i> , 2014, 119, 471-480.                             | 2.2 | 17        |
| 97  | Plasma and cerebrospinal fluid inflammation and the blood-brain barrier in older surgical patients: the Role of Inflammation after Surgery for Elders (RISE) study. <i>Journal of Neuroinflammation</i> , 2021, 18, 103. | 7.2 | 17        |
| 98  | 2-Deoxy-D-Glucose Enhances Anesthetic Effects in Mice. <i>Anesthesia and Analgesia</i> , 2015, 120, 312-319.   | 2.2 | 16        |
| 99  | Cyclophilin D Contributes to Anesthesia Neurotoxicity in the Developing Brain. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 7, 396.  | 3.7 | 15        |
| 100 | Anesthesia and surgery induce delirium-like behavior in susceptible mice: the role of oxidative stress. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2435-2444.                          | 0.0 | 14        |
| 101 | The Association Between C-Reactive Protein and Postoperative Delirium Differs by Catechol-O-Methyltransferase Genotype. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1-8.                                 | 1.2 | 13        |
| 102 | Evaluation of Epidural Analgesia Use During Labor and Infection in Full-term Neonates Delivered Vaginally. <i>JAMA Network Open</i> , 2021, 4, e2123757.   | 5.9 | 12        |
| 103 | Cancer Prognosis. <i>Anesthesiology</i> , 2013, 119, 501-503.  | 2.5 | 11        |
| 104 | Time-Dependent Effects of Anesthetic Isoflurane on Reactive Oxygen Species Levels in HEK-293 Cells. <i>Brain Sciences</i> , 2014, 4, 311-320.  | 2.3 | 11        |
| 105 | Glucose May Attenuate Isoflurane-Induced Caspase-3 Activation in H4 Human Neuroglioma Cells. <i>Anesthesia and Analgesia</i> , 2014, 119, 1373-1380.   | 2.2 | 10        |
| 106 | Sevoflurane induces neuronal activation and behavioral hyperactivity in young mice. <i>Scientific Reports</i> , 2020, 10, 11226.   | 3.3 | 10        |
| 107 | Different effects of anesthetic isoflurane on caspase-3 activation and cytosol cytochrome c levels between mice neural progenitor cells and neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 14.            | 3.7 | 9         |
| 108 | The Reliability and Validity of the Chinese Version of Confusion Assessment Method Based Scoring System for Delirium Severity (CAM-S). <i>Journal of Alzheimer's Disease</i> , 2019, 69, 709-716.                        | 2.6 | 9         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Interaction of Tau, IL-6 and mitochondria on synapse and cognition following sevoflurane anesthesia in young mice. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 8, 100133.   | 2.5  | 9         |
| 110 | Standard Sedation and Sedation With Isoflurane in Mechanically Ventilated Patients With Coronavirus Disease 2019. , 2021, 3, e0370.   |      | 9         |
| 111 | Propofol Enhances Hemoglobin-Induced Cytotoxicity in Neurons. <i>Anesthesia and Analgesia</i> , 2016, 122, 1024-1030.   | 2.2  | 8         |
| 112 | Sevoflurane increases locomotion activity in mice. <i>PLoS ONE</i> , 2019, 14, e0206649.  | 2.5  | 6         |
| 113 | Inhibition of unfolded protein response prevents post-anesthesia neuronal hyperactivity and synapse loss in aged mice. <i>Aging Cell</i> , 2022, 21, e13592.  | 6.7  | 6         |
| 114 | Patterns and Persistence of Perioperative Plasma and Cerebrospinal Fluid Neuroinflammatory Protein Biomarkers After Elective Orthopedic Surgery Using SOMAscan. <i>Anesthesia and Analgesia</i> , 2023, 136, 163-175.   | 2.2  | 6         |
| 115 | Fentanyl induces autism-like behaviours in mice by hypermethylation of the glutamate receptor gene <i>Grin2b</i> . <i>British Journal of Anaesthesia</i> , 2022, 129, 544-554.  | 3.4  | 6         |
| 116 | WS635 Attenuates the Anesthesia/Surgery-Induced Cognitive Impairment in Mice. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 688587.  | 3.4  | 5         |
| 117 | Urinary Catheterization Induces Delirium-Like Behavior Through Glucose Metabolism Impairment in Mice. <i>Anesthesia and Analgesia</i> , 2022, 135, 641-652.   | 2.2  | 5         |
| 118 | Mild Hypothermia Attenuates the Anesthetic Isoflurane-Induced Cytotoxicity. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 15.   | 3.7  | 4         |
| 119 | New biomarkers of postoperative neurocognitive disorders. <i>Nature Reviews Neurology</i> , 2018, 14, 320-321.  | 10.1 | 4         |
| 120 | Differential Changes of Alveolar Gas Concentrations During Anesthetic Induction of a Patient with an Absent Right Pulmonary Artery. <i>Anesthesia and Analgesia</i> , 2006, 103, 312-315.   | 2.2  | 3         |
| 121 | Neuronal vulnerability to anesthesia neurotoxicity depends on age of neurons. <i>Annals of Neurology</i> , 2013, 73, 686-687.   | 5.3  | 2         |
| 122 | Adopting the American anesthesia oral examination in China: value and roadblocks. <i>Journal of Clinical Anesthesia</i> , 2016, 30, 42-45.  | 1.6  | 2         |
| 123 | Treatment of postoperative delirium with continuous theta burst stimulation: study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e048093.   | 1.9  | 2         |
| 124 | High Resolution Magic Angle Spinning Proton NMR Study of Alzheimer's Disease with Mouse Models. <i>Metabolites</i> , 2022, 12, 253.   | 2.9  | 2         |
| 125 | Artefactual effects of lipid-based cell transfection reagents on A $\beta$ processing and A $\beta$ production. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2006, 13, 86-92. | 3.0  | 1         |
| 126 | In Response. <i>Anesthesia and Analgesia</i> , 2016, 122, 1225.   | 2.2  | 1         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Apolipoprotein E genotype and the relationship between chitinase 3-like protein 1 and postoperative delirium: Potential gene-protein interactions. <i>Alzheimer's and Dementia</i> , 2020, 16, e040595. | 0.8 | 0         |
| 128 | Anesthesia and surgery induce age-dependent changes in postoperative delirium behaviors and microbiota. <i>Alzheimer's and Dementia</i> , 2020, 16, e047101.  | 0.8 | 0         |
| 129 | Isoflurane impairs oogenesis through germ cell apoptosis in <i>C. elegans</i> . <i>Scientific Reports</i> , 2021, 11, 14481.  | 3.3 | 0         |
| 130 | Hypoxia, Hypocapnia and Presenilin 1-Related Cellular Apoptosis. <i>Anesthesiology</i> , 2002, 96, A798.  | 2.5 | 0         |