

# Sheng Wang

## List of Publications by Year in descending order

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68  
papers

943  
citations

471509

17  
h-index

526287

27  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Red blood cell membrane-coated upconversion nanoparticles for pretargeted multimodality imaging of triple-negative breast cancer. <i>Biomaterials Science</i> , 2020, 8, 1802-1814.	5.4	71
2	Transforming growth-beta 1 contributes to isoflurane postconditioning against cerebral ischemia-reperfusion injury by regulating the c-Jun N-terminal kinase signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2016, 78, 280-290.	5.6	67
3	Severe acute respiratory syndrome coronavirus 2 detection in the female lower genital tract. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 131-134.	1.3	58
4	Intrauterine administration of autologous peripheral blood mononuclear cells (PBMCs) activated by HCG improves the implantation and pregnancy rates in patients with repeated implantation failure: a prospective randomized study. <i>American Journal of Reproductive Immunology</i> , 2016, 76, 212-216.	1.2	56
5	Ultra-sensitive Nanoprobe Modified with Tumor Cell Membrane for UCL/MRI/PET Multimodality Precise Imaging of Triple-Negative Breast Cancer. <i>Nano-Micro Letters</i> , 2020, 12, 62.	27.0	50
6	Estrogen and propofol combination therapy inhibits endoplasmic reticulum stress and remarkably attenuates cerebral ischemia-reperfusion injury and OGD injury in hippocampus. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 1596-1606.	5.6	44
7	Biomimetic oxygen delivery nanoparticles for enhancing photodynamic therapy in triple-negative breast cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 81.	9.1	36
8	Duplicate preconditioning with sevoflurane in vitro improves neuroprotection in rat brain via activating the extracellular signal-regulated protein kinase. <i>Neuroscience Bulletin</i> , 2010, 26, 437-444.	2.9	29
9	Isoflurane post-conditioning down-regulates expression of aquaporin 4 in rats with cerebral ischemia/reperfusion injury and is possibly related to bone morphogenetic protein 4/Smad1/5/8 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 429-438.	5.6	28
10	The association between the expression of PAR2 and TMEM16A and neuropathic pain. <i>Molecular Medicine Reports</i> , 2017, 17, 3744-3750.	2.4	27
11	Isoflurane Post-conditioning Ameliorates Cerebral Ischemia/Reperfusion Injury by Enhancing Angiogenesis Through Activating the Shh/Gli Signaling Pathway in Rats. <i>Frontiers in Neuroscience</i> , 2019, 13, 321.	2.8	27
12	Posttraumatic cerebral infarction in severe traumatic brain injury: characteristics, risk factors and potential mechanisms. <i>Acta Neurochirurgica</i> , 2015, 157, 1697-1704.	1.7	25
13	Elderly Patients with Severe Traumatic Brain Injury Could Benefit from Surgical Treatment. <i>World Neurosurgery</i> , 2016, 89, 147-152.	1.3	24
14	Wnt/ $\beta$ -catenin signaling pathway contributes to isoflurane postconditioning against cerebral ischemia-reperfusion injury and is possibly related to the transforming growth factor $\beta$ 1/Smad3 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 110, 420-430.	5.6	22
15	Fluoxetine mitigating late-stage cognition and neurobehavior impairment induced by cerebral ischemia reperfusion injury through inhibiting ERS-mediated neurons apoptosis in the hippocampus. <i>Behavioural Brain Research</i> , 2019, 370, 111952.	2.2	21
16	TGF- $\beta$ 2/Smad3 Signaling Pathway Activation Through Enhancing VEGF and CD34 Ameliorates Cerebral Ischemia/Reperfusion Injury After Isoflurane Post-conditioning in Rats. <i>Neurochemical Research</i> , 2019, 44, 2606-2618.	3.3	20
17	Is It Reliable to Predict the Outcome of Elderly Patients with Severe Traumatic Brain Injury Using the IMPACT Prognostic Calculator?. <i>World Neurosurgery</i> , 2017, 103, 584-590.	1.3	18
18	Progressive hemorrhagic injury in patients with traumatic intracerebral hemorrhage: characteristics, risk factors and impact on management. <i>Acta Neurochirurgica</i> , 2017, 159, 227-235.	1.7	18

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19	TGF- $\beta$ 2 Induces Gli1 in a Smad3-Dependent Manner Against Cerebral Ischemia/Reperfusion Injury After Isoflurane Post-conditioning in Rats. <i>Frontiers in Neuroscience</i> , 2019, 13, 636.	2.8	18
20	Dual Isoflurane-induced Preconditioning Improves Neuroprotection in Rat Brain In Vitro and the Role of Extracellular Signal-regulated Protein Kinase. <i>Chinese Medical Sciences Journal</i> , 2011, 26, 36-42.	0.4	16
21	Continuous Serratus Anterior Plane Block Improved Early Pulmonary Function After Lung Cancer Surgical Procedure. <i>Annals of Thoracic Surgery</i> , 2022, 113, 436-443.	1.3	14
22	Lower uterine segment thickness in assessing whether cesarean scar pregnancy patients could be treated with suction curettage. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 3332-3337.	1.5	13
23	Histopathological features of middle cerebral artery and superficial temporal artery from patients with moyamoya disease and enlightenments on clinical treatment. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2016, 36, 871-875.	1.0	12
24	Pituitary Ependymoma: A Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2018, 110, 43-54.	1.3	12
25	SIRT1 Activation Attenuates Bone Cancer Pain by Inhibiting mGluR1/5. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 1165-1175.	3.3	12
26	Dexmedetomidine and Netrin-1 Combination Therapy Inhibits Endoplasmic Reticulum Stress by Regulating the ERK5/MEF2A Pathway to Attenuate Cerebral Ischemia Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 641345.	2.8	12
27	Effects of activin A and its downstream ERK1/2 in oxygen and glucose deprivation after isoflurane-induced postconditioning. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 535-543.	5.6	11
28	Clinical evaluation of post-operative cerebral infarction in traumatic epidural haematoma. <i>Brain Injury</i> , 2017, 31, 215-220.	1.2	10
29	Management of Caesarean scar pregnancy with or without methotrexate before curettage: human chorionic gonadotropin trends and patient outcomes. <i>BMC Pregnancy and Childbirth</i> , 2018, 18, 289.	2.4	10
30	Surgical treatment of traumatic distal anterior cerebral artery aneurysm: a report of nine cases from a single centre. <i>Acta Neurochirurgica</i> , 2020, 162, 523-529.	1.7	10
31	Recent synthesis of functionalized <i>s</i> -tetrazines and their application in ligation reactions under physiological conditions: a concise overview. <i>Catalysis Reviews - Science and Engineering</i> , 2020, 62, 524-565.	12.9	9
32	Isoflurane post-conditioning contributes to anti-apoptotic effect after cerebral ischaemia in rats through the ERK5/MEF2D signaling pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3803-3815.	3.6	9
33	Isoflurane post-conditioning attenuates cerebral ischemia/reperfusion injury by reducing apoptotic through activating the BMP7/SMAD signaling pathway in rats. <i>Journal of Chemical Neuroanatomy</i> , 2021, 112, 101916.	2.1	9
34	Development of Biocompatible Ene-Ligation Enabled by Prenyl-Based $\beta$ -Caryophyllene with Triazoline/Selectfluor under Physiological Conditions. <i>Journal of Organic Chemistry</i> , 2022, 87, 8648-8655.	3.2	9
35	Correlation between Preoperative Anxiety and ABO Blood Types: Evidence from a Clinical Cross-Sectional Study. <i>Disease Markers</i> , 2019, 2019, 1-8.	1.3	8
36	TGF- $\beta$ 3/Smad3 Contributes to Isoflurane Postconditioning Against Cerebral Ischemia-Induced Reperfusion Injury by Upregulating MEF2C. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 1353-1365.	3.3	8

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37	Single-Injection Midpoint Transverse Process-to-Pleura Block Versus Thoracic Paravertebral Block for Postoperative Analgesia After Uniportal Video-Assisted Thoracoscopic Surgery: A Randomized Controlled Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 2432-2438.	1.3	8
38	Operation, Effectiveness, and Limitations of Continuous Serratus Anterior Plane Blocks for Thoracoscopic Surgery in Adults. <i>Journal of Pain Research</i> , 2020, Volume 13, 2401-2410.	2.0	7
39	Isoflurane Postconditioning Upregulates Phosphorylated Connexin 43 in the Middle Cerebral Artery Occlusion Model and Is Probably Associated with the TGF- $\beta$ 1/Smad2/3 Signaling Pathway. <i>BioMed Research International</i> , 2020, 2020, 1-14.	1.9	7
40	A single-center retrospective study of pregnancy outcomes after emergency cerclage for cervical insufficiency. <i>International Journal of Gynecology and Obstetrics</i> , 2017, 139, 9-13.	2.3	6
41	Synthesis and evaluation of novel 1,4,7-triazacyclononane derivatives as Cu <sup>2+</sup> and Ga <sup>3+</sup> chelators. <i>Journal of Inorganic Biochemistry</i> , 2022, 229, 111719.	3.5	6
42	Pregnancy outcomes following transvaginal cerclage for cervical insufficiency: Results from a single-center retrospective study. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2017, 37, 237-242.	1.0	5
43	Synthesis and evaluation of a class of 1,4,7-triazacyclononane derivatives as iron depletion antitumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 117-121.	2.2	5
44	COMT gene variants and $\beta$ -endorphin levels contribute to ethnic differences in experimental pain sensitivity. <i>Molecular Pain</i> , 2020, 16, 174480692090847.	2.1	5
45	Exogenous insulin-like growth factor 1 attenuates sevoflurane anesthesia-induced cognitive dysfunction in aged rats. <i>Journal of Neurophysiology</i> , 2021, 125, 2117-2124.	1.8	5
46	Intrathecal administration of SRT1720 relieves bone cancer pain by inhibiting the CREB/CRTC1 signalling pathway. <i>Neuroscience Letters</i> , 2020, 715, 134623.	2.1	4
47	Type of anesthesia and quality of recovery in male patients undergoing lumbar surgery: a randomized trial comparing propofol-remifentanyl total i.v. anesthesia with sevoflurane anesthesia. <i>BMC Anesthesiology</i> , 2021, 21, 300.	1.8	4
48	Synthesis of a new bifunctional NODA for bioconjugation with PSMA ligand and one-step Al <sup>18</sup> F labeling. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 60, 116687.	3.0	4
49	Pipeline Embolization Device for Salvage Treatment of a Willis Covered Stent Prolapse Into the Aneurysmal Sac. <i>Frontiers in Neurology</i> , 2019, 10, 1099.	2.4	3
50	Effect of sex differences in remifentanyl requirements for inhibiting the response to a CO <sub>2</sub> pneumoperitoneum during propofol anesthesia: an up-and-down sequential allocation trial. <i>BMC Anesthesiology</i> , 2020, 20, 35.	1.8	3
51	Regulation and Site-Specific Covalent Labeling of NSUN2 via Genetic Encoding Expansion. <i>Genes</i> , 2021, 12, 1488.	2.4	3
52	Hippocampus-Based Mitochondrial Respiratory Function Decline Is Responsible for Perioperative Neurocognitive Disorders. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 772066.	3.4	3
53	Isoflurane and Netrin-1 combination therapy enhances angiogenesis and neurological recovery by improving the expression of HIF-1 $\alpha$ -Netrin-1-UNC5B/VEGF cascade to attenuate cerebral ischemia injury. <i>Experimental Neurology</i> , 2022, 352, 114028.	4.1	3
54	The evaluation of maximum condyle-tragus distance can predict difficult airway management without exposing upper respiratory tract; a prospective observational study. <i>BMC Anesthesiology</i> , 2021, 21, 28.	1.8	2

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55	Effects of Different 0.2% Ropivacaine Infusion Regimens for Continuous Interscalene Brachial Plexus Block on Postoperative Analgesia and Respiratory Function After Shoulder Arthroscopic Surgery: A Randomized Clinical Trial. <i>Journal of Pain Research</i> , 2022, Volume 15, 1389-1399.	2.0	2
56	What is the impact of perioperative cerebral oxygen desaturation on postoperative delirium in old population: a systemic review and meta-analysis. <i>Aging Clinical and Experimental Research</i> , 2022, , .	2.9	2
57	Significance of cyclooxygenase-2 elevation in middle cerebral artery for patients with hemorrhagic moyamoya disease. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2016, 36, 181-185.	1.0	1
58	Minimum Alveolar Concentration-Awake of Sevoflurane is Decreased in Patients with Parkinson's Disease: An Up-and-Down Sequential Allocation Trial. <i>Clinical Interventions in Aging</i> , 2021, Volume 16, 129-137.	2.9	1
59	A novel carbon-11 radiolabeled maternal embryonic leucine zipper kinase inhibitor for PET imaging of triple-negative breast cancer. <i>Bioorganic Chemistry</i> , 2021, 107, 104609.	4.1	1
60	Comparison of the innovative endoscopic oropharyngeal airway and the conventional mouthpiece in elderly outpatients undergoing esophagogastroduodenoscopy under sedation: a prospective and randomized study. <i>BMC Gastroenterology</i> , 2022, 22, 8.	2.0	1
61	Esophageal cancer with a double aortic arch: a case report and literature review. <i>Journal of Cardiothoracic Surgery</i> , 2022, 17, 33.	1.1	1
62	The Relationship between Cuff Pressure and Air Injection Volume of Endotracheal Tube: A Study with Sheep Trachea Ex Vivo. <i>Applied Bionics and Biomechanics</i> , 2022, 2022, 1-10.	1.1	1
63	A case report: Anesthetic management for open-heart surgery in a child with congenital insensitivity to pain with anhidrosis. <i>Paediatric Anaesthesia</i> , 0, , .	1.1	1
64	Sex difference in preoperative stress and sleeping duration related to the variation of preoperative heart rate and systolic blood pressure. <i>Journal of Clinical Anesthesia</i> , 2020, 60, 101-102.	1.6	0
65	Effect of administering subsequent immune checkpoint inhibition in cancer patients with prior COVID-19 infection. <i>Journal of Infection</i> , 2021, 82, 414-451.	3.3	0
66	[18F]F-ET-OTSSP167 Targets Maternal Embryo Leucine Zipper Kinase for PET Imaging of Triple-Negative Breast Cancer. <i>Molecular Pharmaceutics</i> , 2021, 18, 3544-3552.	4.6	0
67	Comparative study on acute management of intracerebral haematoma using local thrombolysis in moyamoya and non-moyamoya patients: a single institution experience. <i>British Journal of Neurosurgery</i> , 2022, , 1-6.	0.8	0
68	Single-port thoracoscopic resection of a posterior mediastinal Mullerian cyst in a woman. <i>Journal of International Medical Research</i> , 2022, 50, 030006052210962.	1.0	0