

Woosuk Chung

List of Publications by Year in descending order

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63
papers

1,034
citations

516710

16
h-index

477307

29
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64
all docs

64
docs citations

64
times ranked

1822
citing authors

#	ARTICLE	IF	CITATIONS
1	Social deficits in IRSp53 mutant mice improved by NMDAR and mGluR5 suppression. <i>Nature Neuroscience</i> , 2015, 18, 435-443.	14.8	168
2	Enhanced NMDA Receptor-Mediated Synaptic Transmission, Enhanced Long-Term Potentiation, and Impaired Learning and Memory in Mice Lacking IRSp53. <i>Journal of Neuroscience</i> , 2009, 29, 1586-1595.	3.6	141
3	Selected SALM (Synaptic Adhesion-Like Molecule) Family Proteins Regulate Synapse Formation. <i>Journal of Neuroscience</i> , 2010, 30, 5559-5568.	3.6	87
4	Sevoflurane exposure during the neonatal period induces long-term memory impairment but not autism-like behaviors. <i>Paediatric Anaesthesia</i> , 2015, 25, 1033-1045.	1.1	51
5	Sevoflurane Exposure during the Critical Period Affects Synaptic Transmission and Mitochondrial Respiration but Not Long-term Behavior in Mice. <i>Anesthesiology</i> , 2017, 126, 288-299.	2.5	48
6	The Effects of Lifestyle Modification on Symptoms and Quality of Life in Patients with Irritable Bowel Syndrome: A Prospective Observational Study. <i>Gut and Liver</i> , 2011, 5, 472-477.	2.9	33
7	Multimodal analgesia with multiple intermittent doses of erector spinae plane block through a catheter after total mastectomy: a retrospective observational study. <i>Korean Journal of Pain</i> , 2019, 32, 206-214.	2.2	29
8	Mice lacking the synaptic adhesion molecule Neph2/Kirrel3 display moderate hyperactivity and defective novel object preference. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 283.	3.7	22
9	Single and multiple sevoflurane exposures during pregnancy and offspring behavior in mice. <i>Paediatric Anaesthesia</i> , 2017, 27, 742-751.	1.1	20
10	Anesthesia affects excitatory/inhibitory synapses during the critical synaptogenic period in the hippocampus of young mice: Importance of sex as a biological variable. <i>NeuroToxicology</i> , 2019, 70, 146-153.	3.0	20
11	Costoclavicular brachial plexus block reduces hemidiaphragmatic paralysis more than supraclavicular brachial plexus block: retrospective, propensity score matched cohort study. <i>Korean Journal of Pain</i> , 2020, 33, 144-152.	2.2	20
12	Multiple exposures of sevoflurane during pregnancy induces memory impairment in young female offspring mice. <i>Korean Journal of Anesthesiology</i> , 2017, 70, 642.	2.5	20
13	Endothelial-specific <i>Crif1</i> deletion induces BBB maturation and disruption via the alteration of actin dynamics by impaired mitochondrial respiration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1546-1561.	4.3	19
14	Impact of Bowel Preparation Quality on Adenoma Identification During Colonoscopy and Optimal Timing of Surveillance. <i>Digestive Diseases and Sciences</i> , 2015, 60, 3092-3099.	2.3	18
15	A High-fat Diet Induces a Loss of Midbrain Dopaminergic Neuronal Function That Underlies Motor Abnormalities. <i>Experimental Neurobiology</i> , 2017, 26, 104-112.	1.6	18
16	Activation of the HMGB1-RAGE axis upregulates TH expression in dopaminergic neurons via JNK phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 358-364.	2.1	17
17	Auraptene Mitigates Parkinson's Disease-Like Behavior by Protecting Inhibition of Mitochondrial Respiration and Scavenging Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3409.	4.1	16
18	Regional analgesia techniques for video-assisted thoracic surgery: a frequentist network meta-analysis. <i>Korean Journal of Anesthesiology</i> , 2022, 75, 231-244.	2.5	15

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19	Increased Excitatory Synaptic Transmission of Dentate Granule Neurons in Mice Lacking PSD-95-Interacting Adhesion Molecule Neph2/Kirrel3 during the Early Postnatal Period. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 81.	2.9	14
20	Thoracic Paravertebral Block with Adjuvant Dexmedetomidine in Video-Assisted Thoracoscopic Surgery: A Randomized, Double-Blind Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 352.	2.4	14
21	PTEN/AKT signaling mediates chemoresistance in refractory acute myeloid leukemia through enhanced glycolysis. <i>Oncology Reports</i> , 2019, 42, 2149-2158.	2.6	14
22	Non-cell-autonomous modulation of tyrosine hydroxylase by HMGB1 released from astrocytes in an acute MPTP-induced Parkinsonian mouse model. <i>Laboratory Investigation</i> , 2019, 99, 1389-1399.	3.7	12
23	A Rare Case of a Signet Ring Cell Carcinoma of the Colon Mimicking a Juvenile Polyp. <i>Gut and Liver</i> , 2012, 6, 129-131.	2.9	12
24	Comparing two different techniques of rectus sheath block after single port laparoscopic surgery in benign adnexal mass patients: Surgical versus ultrasonography guidance—A randomized, single-blind, case-controlled study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2017, 217, 29-33.	1.1	11
25	The mTOR Inhibitor Rapamycin Prevents General Anesthesia-Induced Changes in Synaptic Transmission and Mitochondrial Respiration in Late Postnatal Mice. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 4.	3.7	11
26	Schisandra Extract and Ascorbic Acid Synergistically Enhance Cognition in Mice through Modulation of Mitochondrial Respiration. <i>Nutrients</i> , 2020, 12, 897.	4.1	11
27	Down-regulation of RalBP1 expression reduces seizure threshold and synaptic inhibition in mice. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 175-180.	2.1	10
28	High Omega-3 Polyunsaturated Fatty Acids in fat-1 Mice Reduce Inflammatory Pain. <i>Journal of Medicinal Food</i> , 2017, 20, 535-541.	1.5	10
29	Deprenyl exerts cytotoxicity towards acute myeloid leukemia through inhibition of mitochondrial respiration. <i>Oncology Reports</i> , 2018, 40, 3869-3878.	2.6	10
30	Comparison of etomidate and propofol on intubating conditions and the onset time associated with cisatracurium administration. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 136.	2.5	9
31	Procedural Sedation Using a Propofol-Ketamine Combination (Ketofol) vs. Propofol Alone in the Loop Electrosurgical Excision Procedure (LEEP): A Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2019, 8, 943.	2.4	9
32	Effects of Sevoflurane on Lewis Lung Carcinoma Cell Proliferation In Vivo and In Vitro. <i>Medicina (Lithuania)</i> , 2021, 57, 45.	2.0	9
33	Comparison of continuous and single interscalene block for quality of recovery score following arthroscopic rotator cuff repair. <i>Journal of Orthopaedic Surgery</i> , 2021, 29, 230949902110001.	1.0	9
34	Spinal anesthesia for emergency cesarean section in a preeclampsia patient diagnosed with type 1 neurofibromatosis. <i>Korean Journal of Anesthesiology</i> , 2013, 65, S91.	2.5	9
35	Simply modified percutaneous tracheostomy using the Cook® Ciaglia Blue Rhino®, a case series. <i>Korean Journal of Anesthesiology</i> , 2016, 69, 301.	2.5	9
36	TWIK-Related Spinal Cord K+Channel Expression Is Increased in the Spinal Dorsal Horn after Spinal Nerve Ligation. <i>Yonsei Medical Journal</i> , 2015, 56, 1307.	2.2	8

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37	Sedation with dexmedetomidine prolongs the analgesic duration of brachial plexus block: a randomised controlled trial. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2019, 38, 231-236.	1.4	8
38	Auraptene Enhances Junction Assembly in Cerebrovascular Endothelial Cells by Promoting Resilience to Mitochondrial Stress through Activation of Antioxidant Enzymes and mtUPR. <i>Antioxidants</i> , 2021, 10, 475.	5.1	8
39	General anesthesia activates the mitochondrial unfolded protein response and induces age-dependent, long-lasting changes in mitochondrial function in the developing brain. <i>NeuroToxicology</i> , 2021, 82, 1-8.	3.0	7
40	Hemidiaphragmatic paralysis following costoclavicular versus supraclavicular brachial plexus block: a randomized controlled trial. <i>Scientific Reports</i> , 2021, 11, 18749.	3.3	7
41	Comparison of the ulnar nerve blockade between intertruncal and corner pocket approaches for supraclavicular block: a randomized controlled trial. <i>Korean Journal of Anesthesiology</i> , 2021, 74, 522-530.	2.5	6
42	Implementation of the Obturator Nerve Block into a Supra-Inguinal Fascia Iliaca Compartment Block Based Analgesia Protocol for Hip Arthroscopy: Retrospective Pre-Post Study. <i>Medicina (Lithuania)</i> , 2020, 56, 150.	2.0	5
43	Increasing the interval between repeated anesthetic exposures reduces long-lasting synaptic changes in late postnatal mice. <i>Journal of Neurochemistry</i> , 2021, 156, 76-87.	3.9	5
44	Pretreatment with nafamostat mesilate, a kallikrein inhibitor, to decrease withdrawal response associated with rocuronium. <i>Journal of Anesthesia</i> , 2010, 24, 549-552.	1.7	4
45	General Anesthesia During Neurodevelopment Reduces Autistic Behavior in Adult BTBR Mice, a Murine Model of Autism. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 772047.	3.7	4
46	The Effect of Intravenous Dexamethasone and Dexmedetomidine on Analgesia Duration of Supraclavicular Brachial Plexus Block: A Randomized, Four-Arm, Triple-Blinded, Placebo-Controlled Trial. <i>Journal of Personalized Medicine</i> , 2021, 11, 1267.	2.5	4
47	Effects of nicardipine on the onset time and intubation conditions of rocuronium-induced neuromuscular blockade. <i>Journal of Clinical Anesthesia</i> , 2016, 32, 112-118.	1.6	3
48	Interval-dependent neurotoxicity after multiple ketamine injections in late postnatal mice. <i>Journal of Anesthesia</i> , 2021, 35, 93-101.	1.7	3
49	Reactive microglia and mitochondrial unfolded protein response following ventriculomegaly and behavior defects in kaolin-induced hydrocephalus. <i>BMB Reports</i> , 2022, 55, 181-186.	2.4	3
50	Unexpected development of intraoperative paradoxical air embolism during hysteroscopic myomectomy. <i>Journal of Obstetrics and Gynaecology</i> , 2020, 40, 885-886.	0.9	2
51	Unexpected visualization of the dorsal scapular artery during supraclavicular block. <i>Korean Journal of Anesthesiology</i> , 2021, 74, 561-563.	2.5	2
52	Identifying the ideal tracheostomy site based on patient characteristics during percutaneous dilatational tracheostomy without bronchoscopy. <i>Korean Journal of Anesthesiology</i> , 2019, 72, 233-237.	2.5	2
53	Intraoperative management for ex-utero intrapartum treatment: focusing on the fetus. <i>Anesthesia and Pain Medicine</i> , 2021, 16, 329-337.	1.4	2
54	Ultrasonographic measurement of subclavian vein diameter and regression modeling in pediatric patients from a single Korean facility. <i>Korean Journal of Anesthesiology</i> , 2014, 67, S96.	2.5	1

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55	Successful anesthesia in a patient with a history of cardiac arrest following rocuronium injection. Korean Journal of Anesthesiology, 2014, 67, S36.	2.5	1
56	Postoperative pain control by ultrasound guided brachial plexus block reduces emergence delirium in pediatric patients. Anesthesia and Pain Medicine, 2019, 14, 280-287.	1.4	1
57	Another new kid on the BLOCK for pain control in pediatric cardiac surgery. Korean Journal of Anesthesiology, 2022, 75, 200-201.	2.5	1
58	Repeated ketamine anesthesia during neurodevelopment upregulates hippocampal activity and enhances drug reward in male mice. Communications Biology, 2022, 5, .	4.4	1
59	Analyzing and modeling the impact of memory latency and bandwidth on application performance. , 2018, , .		0
60	Perineural Epinephrine for Brachial Plexus Block Increases the Incidence of Hypotension during Dexmedetomidine Infusion: A Single-Center, Randomized, Controlled Trial. Journal of Clinical Medicine, 2021, 10, 2579.	2.4	0
61	A retrospective comparison for prediction of optimal length of right subclavian vein catheterization in infants: landmark-based estimation vs. linear regression model. Anesthesia and Pain Medicine, 2021, 16, 258-265.	1.4	0
62	Comparison between Air-Q SP and endotracheal intubation during general anesthesia for endovascular coiling of unruptured cerebral aneurysms. Chirurgia (Turin), 2020, 33, .	0.1	0
63	Extracorporeal membrane oxygenation for surgery to remove a huge goiter causing tracheal obstruction. Chirurgia (Turin), 2020, 33, .	0.1	0