

Cheng Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

887
citations

516710

16
h-index

526287

27
g-index

63
all docs

63
docs citations

63
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Click and Release: A Chemical Strategy toward Developing Gasotransmitter Prodrugs by Using an Intramolecular Diels-Alder Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15846-15851.	13.8	121
2	Forebrain HCN1 Channels Contribute to Hypnotic Actions of Ketamine. <i>Anesthesiology</i> , 2013, 118, 785-795.	2.5	64
3	Emergency Caesarean delivery in a patient with confirmed COVID-19 under spinal anaesthesia. <i>British Journal of Anaesthesia</i> , 2020, 124, e216-e218.	3.4	58
4	General anesthesia mediated by effects on ion channels. <i>World Journal of Critical Care Medicine</i> , 2012, 1, 80.	1.8	50
5	HCN1 Channels Contribute to the Effects of Amnesia and Hypnosis but not Immobility of Volatile Anesthetics. <i>Anesthesia and Analgesia</i> , 2015, 121, 661-666.	2.2	35
6	P2Y ₁₄ receptor is functionally expressed in satellite glial cells and mediates interleukin-1 β and chemokine CCL2 secretion. <i>Journal of Cellular Physiology</i> , 2019, 234, 21199-21210.	4.1	31
7	Dexamethasone added to local anesthetics in ultrasound-guided transversus abdominis plain (TAP) block for analgesia after abdominal surgery: A systematic review and meta-analysis of randomized controlled trials. <i>PLoS ONE</i> , 2019, 14, e0209646.	2.5	29
8	Targeting Delivery of Lidocaine and Cisplatin by Nanogel Enhances Chemotherapy and Alleviates Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25228-25240.	8.0	28
9	Inhibition of Fatty Acid Amide Hydrolase Improves Depressive-Like Behaviors Independent of Its Peripheral Antinociceptive Effects in a Rat Model of Neuropathic Pain. <i>Anesthesia and Analgesia</i> , 2019, 129, 587-597.	2.2	27
10	The Effects of General Anesthetics on Synaptic Transmission. <i>Current Neuropharmacology</i> , 2020, 18, 936-965.	2.9	27
11	Activation of mitogen-activated protein kinases in satellite glial cells of the trigeminal ganglion contributes to substance P-mediated inflammatory pain. <i>International Journal of Oral Science</i> , 2019, 11, 24.	8.6	26
12	GABAB receptor activation attenuates inflammatory orofacial pain by modulating interleukin-1 β in satellite glial cells: Role of NF- κ B and MAPK signaling pathways. <i>Brain Research Bulletin</i> , 2019, 149, 240-250.	3.0	23
13	The P2Y ₁₄ receptor in the trigeminal ganglion contributes to the maintenance of inflammatory pain. <i>Neurochemistry International</i> , 2019, 131, 104567.	3.8	22
14	The General Anesthetic Isoflurane Bilaterally Modulates Neuronal Excitability. <i>IScience</i> , 2020, 23, 100760.	4.1	22
15	The Interaction Between Emulsified Isoflurane and Lidocaine Is Synergism in Intravenous Regional Anesthesia in Rats. <i>Anesthesia and Analgesia</i> , 2011, 113, 245-250.	2.2	21
16	Activation of oxytocin receptor in the trigeminal ganglion attenuates orofacial ectopic pain attributed to inferior alveolar nerve injury. <i>Journal of Neurophysiology</i> , 2021, 125, 223-231.	1.8	19
17	Activation of the RAS/Raf/MEK/ERK pathway in satellite glial cells contributes to substance P-mediated orofacial pain. <i>European Journal of Neuroscience</i> , 2020, 51, 2205-2218.	2.6	18
18	Volatile Anesthetics Activate a Leak Sodium Conductance in Retrotrapezoid Nucleus Neurons to Maintain Breathing during Anesthesia in Mice. <i>Anesthesiology</i> , 2020, 133, 824-838.	2.5	18

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19	Click and Release: A Chemical Strategy toward Developing Gasotransmitter Prodrugs by Using an Intramolecular Diels-Alder Reaction. <i>Angewandte Chemie</i> , 2016, 128, 16078-16083.	2.0	16
20	Differential Inhibition of Neuronal Sodium Channel Subtypes by the General Anesthetic Isoflurane. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 200-211.	2.5	15
21	Inhibition of Voltage-Gated Sodium Channels by Emulsified Isoflurane May Contribute to Its Subarachnoid Anesthetic Effect in Beagle Dogs. <i>Regional Anesthesia and Pain Medicine</i> , 2011, 36, 553-559.	2.3	14
22	A novel intravenous general anesthetic " emulsified isoflurane: from bench to bedside. <i>Frontiers of Medicine</i> , 2012, 6, 381-387.	3.4	13
23	Isoflurane Modulates Hippocampal Cornu Ammonis Pyramidal Neuron Excitability by Inhibition of Both Transient and Persistent Sodium Currents in Mice. <i>Anesthesiology</i> , 2019, 131, 94-104.	2.5	13
24	NMDAR1-Src-Pannexin1 Signal Pathway in the Trigeminal Ganglion Contributed to Orofacial Ectopic Pain Following Inferior Alveolar Nerve Transection. <i>Neuroscience</i> , 2021, 466, 77-86.	2.3	13
25	Hyperpolarization-activated Cyclic Nucleotide-gated Channels May Contribute to Regional Anesthetic Effects of Lidocaine. <i>Anesthesiology</i> , 2015, 122, 606-618.	2.5	12
26	Elevated Expression and Activity of Sodium Leak Channel Contributes to Neuronal Sensitization of Inflammatory Pain in Rats. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 723395.	2.9	12
27	Emulsified Isoflurane Enhances Thermal Transient Receptor Potential Vanilloid-1 Channel Activation-mediated Sensory/Nociceptive Blockade by QX-314. <i>Anesthesiology</i> , 2014, 121, 280-289.	2.5	10
28	Sodium leak channel contributes to neuronal sensitization in neuropathic pain. <i>Progress in Neurobiology</i> , 2021, 202, 102041.	5.7	9
29	CXCL1 motif chemokine ligand 1 and its receptor CXCR2 motif chemokine receptor 2 in trigeminal ganglion contribute to nerve injury-induced orofacial mechanical allodynia. <i>Journal of Oral Rehabilitation</i> , 2022, 49, 195-206.	3.0	9
30	Activation of the N-methyl-D-aspartate receptor contributes to orofacial neuropathic and inflammatory allodynia by facilitating calcium-calmodulin-dependent protein kinase II phosphorylation in mice. <i>Brain Research Bulletin</i> , 2022, 185, 174-192.	3.0	9
31	Single-dose sulfentanil or fentanyl reduces agitation after sevoflurane anesthesia in children undergoing ophthalmology surgery. <i>Pakistan Journal of Medical Sciences</i> , 1969, 30, 1059-63.	0.6	8
32	Gold nanorods-based thermosensitive hydrogel produces selective long-lasting regional anesthesia triggered by photothermal activation of Transient Receptor Potential Vanilloid Type-1 channels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 17-23.	5.0	8
33	The Quaternary Lidocaine Derivative QX-314 Produces Long-Lasting Intravenous Regional Anesthesia in Rats. <i>PLoS ONE</i> , 2014, 9, e99704.	2.5	8
34	The etomidate analog ET-26 HCl retains superior myocardial performance: Comparisons with etomidate in vivo and in vitro. <i>PLoS ONE</i> , 2018, 13, e0190994.	2.5	8
35	Adding Emulsified Isoflurane to Cardioplegia Solution Produces Cardiac Protection in a Dog Cardiopulmonary Bypass Model. <i>Scientific Reports</i> , 2016, 6, 23572.	3.3	7
36	Elevation of arachidonoyl ethanolamide levels by activation of the endocannabinoid system protects against colitis and ameliorates remote organ lesions in mice. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 5664-5670.	1.8	7

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37	Emulsified Isoflurane Increases Convulsive Thresholds of Lidocaine and Produces Neural Protection After Convulsion in Rats. <i>Anesthesia and Analgesia</i> , 2014, 118, 310-317.	2.2	6
38	Short-Term Outcomes of Patients With COVID-19 Undergoing Invasive Mechanical Ventilation: A Retrospective Observational Study From Wuhan, China. <i>Frontiers in Medicine</i> , 2020, 7, 571542.	2.6	6
39	The $\hat{1}\pm 2\hat{1}$ -1-NMDAR1 interaction in the trigeminal ganglion contributes to orofacial ectopic pain following inferior alveolar nerve injury. <i>Brain Research Bulletin</i> , 2021, 171, 162-171.	3.0	6
40	Isoflurane Suppresses Hippocampal High-frequency Ripples by Differentially Modulating Pyramidal Neurons and Interneurons in Mice. <i>Anesthesiology</i> , 2021, 135, 122-135.	2.5	4
41	Identifying c-fos Expression as a Strategy to Investigate the Actions of General Anesthetics on the Central Nervous System. <i>Current Neuropharmacology</i> , 2022, 20, 55-71.	2.9	4
42	Value of lung ultrasound for the diagnosis of COVID-19 pneumonia: a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2020, 10, e039180.	1.9	3
43	Effects of sevoflurane anesthesia and abdominal surgery on the systemic metabolome: a prospective observational study. <i>BMC Anesthesiology</i> , 2021, 21, 80.	1.8	3
44	Capsazepine prolongation of the duration of lidocaine block of sensory transmission in mice may be mediated by modulation of HCN channel currents. <i>PeerJ</i> , 2019, 7, e7111.	2.0	3
45	Volatile anesthetics maintain tidal volume and minute ventilation to a greater degree than propofol under spontaneous respiration. <i>BMC Anesthesiology</i> , 2021, 21, 238.	1.8	3
46	Effect of flumazenil on sevoflurane requirements for minimum alveolar anesthetic concentration-awake and recovery status. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 673-9.	1.3	3
47	Sub-chronic exposure to morphine alters general anesthetic potency by differentially regulating the expression of neurotransmitter receptor subunits in mice. <i>Brain Research Bulletin</i> , 2021, 169, 136-144.	3.0	2
48	Sodium Leak Channel in the Nucleus Accumbens Modulates Ethanol-Induced Acute Stimulant Responses and Locomotor Sensitization in Mice: A Brief Research Report. <i>Frontiers in Neuroscience</i> , 2021, 15, 687470.	2.8	2
49	Effects of Prior Antiplatelet Therapy on Mortality, Functional Outcome, and Hematoma Expansion in Intracerebral Hemorrhage: An Updated Systematic Review and Meta-Analysis of Cohort Studies. <i>Frontiers in Neurology</i> , 2021, 12, 691357.	2.4	2
50	Novel compound LL-a produces long and nociceptive-selective regional anesthesia via TRPV1 channels in rodents sciatic nerve block model. <i>Regional Anesthesia and Pain Medicine</i> , 2020, 45, 412-418.	2.3	2
51	The 100 top-cited studies on postoperative hyperalgesia in the last 30 years: a bibliometric analysis. <i>Annals of Palliative Medicine</i> , 2021, 10, 12538-12545.	1.2	2
52	Deficiency of Mitochondrial Functions and Peroxidation of Frontoparietal Cortex Enhance Isoflurane Sensitivity in Aging Mice. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 583542.	3.4	1
53	A randomized trial to assess the effect of cricoid displacing maneuver on the success rate of blind placement of double-lumen tube and Univent bronchial blocker. <i>Annals of Palliative Medicine</i> , 2021, 10, 1976-1984.	1.2	1
54	Effects of Perioperative Epidural Analgesia on Cancer Recurrence and Survival. <i>Frontiers in Oncology</i> , 2021, 11, 798435.	2.8	1

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55	QX-OH/Levobupivacaine: A Structurally Novel, Potent Local Anesthetic Produces Fast-Onset and Long-Lasting Regional Anesthesia in Rats. <i>Journal of Pain Research</i> , 2022, Volume 15, 331-340.	2.0	1
56	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channel Blocker ZD7288 Prevents Sevoflurane-Induced Hyperactivity in A Novel Mice Behavioral Model. <i>Journal of Anesthesia and Perioperative Medicine</i> , 2017, 4, 205-212.	0.2	0
57	Protective Effect of Emulsified Isoflurane Preconditioning on Cardiac Toxicity Induced by Bupivacaine in Rats. <i>Journal of Anesthesia and Perioperative Medicine</i> , 2017, 4, 199-204.	0.2	0
58	Comparison of subarachnoid anesthetic effect of emulsified volatile anesthetics in rats. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 8748-55.	0.5	0
59	Emulsified halothane produces long-term epidural anesthetic effect: a study in rabbits. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 4573-80.	0.5	0
60	Progress in Neuropharmacology of Anesthetics and Analgesics for the Improvement of Medical Treatment. <i>Current Neuropharmacology</i> , 2022, 20, 3-3.	2.9	0