

Jian-Xin Zhou

List of Publications by Year in descending order

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54
papers

974
citations

623734

14
h-index

477307

29
g-index

57
all docs

57
docs citations

57
times ranked

1257
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination of extracorporeal membrane oxygenation and continuous renal replacement therapy in critically ill patients: a systematic review. <i>Critical Care</i> , 2014, 18, 675.	5.8	151
2	Continuous versus intermittent infusion of vancomycin in adult patients: A systematic review and meta-analysis. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 28-35.	2.5	85
3	Expiratory muscle dysfunction in critically ill patients: towards improved understanding. <i>Intensive Care Medicine</i> , 2019, 45, 1061-1071.	8.2	74
4	The Efficacy and Safety of Intravenous Emulsified Isoflurane in Rats. <i>Anesthesia and Analgesia</i> , 2006, 102, 129-134.	2.2	71
5	Effect of High-Flow Nasal Cannula Oxygen Therapy Versus Conventional Oxygen Therapy and Noninvasive Ventilation on Reintubation Rate in Adult Patients After Extubation: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Journal of Intensive Care Medicine</i> , 2018, 33, 609-623.	2.8	64
6	Post-craniotomy intracranial infection in patients with brain tumors: a retrospective analysis of 5723 consecutive patients. <i>British Journal of Neurosurgery</i> , 2017, 31, 5-9.	0.8	58
7	Ultrasound measurement of optic nerve diameter and optic nerve sheath diameter in healthy Chinese adults. <i>BMC Neurology</i> , 2015, 15, 106.	1.8	52
8	Incidence and risk factors of postoperative delirium in patients admitted to the ICU after elective intracranial surgery. <i>European Journal of Anaesthesiology</i> , 2020, 37, 14-24.	1.7	41
9	Incidence, Risk Factors and Consequences of Emergence Agitation in Adult Patients after Elective Craniotomy for Brain Tumor: A Prospective Cohort Study. <i>PLoS ONE</i> , 2014, 9, e114239.	2.5	32
10	Factors influencing delayed extubation after infratentorial craniotomy for tumour resection: a prospective cohort study of 800 patients in a Chinese neurosurgical centre. <i>Journal of International Medical Research</i> , 2013, 41, 208-217.	1.0	27
11	Use of Dexmedetomidine for Prophylactic Analgesia and Sedation in Patients With Delayed Extubation After Craniotomy: A Randomized Controlled Trial. <i>Journal of Neurosurgical Anesthesiology</i> , 2017, 29, 132-139.	1.2	23
12	Airway Closure Could Be Confirmed by Electrical Impedance Tomography. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 138-141.	5.6	22
13	Perioperative Predictors of Extubation Failure and the Effect on Clinical Outcome After Infratentorial Craniotomy. <i>Medical Science Monitor</i> , 2016, 22, 2431-2438.	1.1	17
14	Stress Index Can Be Accurately and Reliably Assessed by Visually Inspecting Ventilator Waveforms. <i>Respiratory Care</i> , 2018, 63, 1094-1101.	1.6	17
15	Intracranial pressure responsiveness to positive end-expiratory pressure is influenced by chest wall elastance: a physiological study in patients with aneurysmal subarachnoid hemorrhage. <i>BMC Neurology</i> , 2018, 18, 124.	1.8	17
16	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS. <i>Chest</i> , 2021, 159, 1426-1436.	0.8	16
17	Optimal esophageal balloon volume for accurate estimation of pleural pressure at end-expiration and end-inspiration: an in vitro bench experiment. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 35.	1.9	14
18	Use of the critical-care pain observation tool and the bispectral index for the detection of pain in brain-injured patients undergoing mechanical ventilation. <i>Medicine (United States)</i> , 2018, 97, e10985.	1.0	12

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19	Association of preoperative frailty with postoperative delirium after elective brain tumor resection: Retrospective analysis of a prospective cohort. <i>Surgery</i> , 2021, 170, 1763-1769.	1.9	12
20	Patientâ€™ventilator asynchrony in acute brain-injured patients: a prospective observational study. <i>Annals of Intensive Care</i> , 2020, 10, 144.	4.6	11
21	Use of esophageal balloon pressure-volume curve analysis to determine esophageal wall elastance and calibrate raw esophageal pressure: a bench experiment and clinical study. <i>BMC Anesthesiology</i> , 2018, 18, 21.	1.8	10
22	Emergence agitation during recovery from intracranial surgery under general anaesthesia: a protocol and statistical analysis plan for a prospective multicentre cohort study. <i>BMJ Open</i> , 2015, 5, e007542-e007542.	1.9	9
23	Intracranial pressure responsiveness to positive end-expiratory pressure in different respiratory mechanics: a preliminary experimental study in pigs. <i>BMC Neurology</i> , 2018, 18, 183.	1.8	9
24	The Association Between Etiologies and Mortality in Acute Respiratory Distress Syndrome: A Multicenter Observational Cohort Study. <i>Frontiers in Medicine</i> , 2021, 8, 739596.	2.6	9
25	Bi-frontal pneumocephalus is an independent risk factor for early postoperative agitation in adult patients admitted to intensive care unit after elective craniotomy for brain tumor: A prospective cohort study. <i>PLoS ONE</i> , 2018, 13, e0201064.	2.5	8
26	Agreement of measured and calculated serum osmolality during the infusion of mannitol or hypertonic saline in patients after craniotomy: a prospective, double-blinded, randomised controlled trial. <i>BMC Anesthesiology</i> , 2015, 15, 138.	1.8	7
27	The Prophylactic Use of Remifentanyl for Delayed Extubation After Elective Intracranial Operations: a Prospective, Randomized, Double-Blinded Trial. <i>Journal of Neurosurgical Anesthesiology</i> , 2017, 29, 281-290.	1.2	7
28	Noninvasive assessment of airflows by electrical impedance tomography in intubated hypoxemic patients: an exploratory study. <i>Annals of Intensive Care</i> , 2019, 9, 83.	4.6	7
29	A gap existed between physiciansâ€™ perceptions and performance of pain, agitation-sedation and delirium assessments in Chinese intensive care units. <i>BMC Anesthesiology</i> , 2021, 21, 61.	1.8	7
30	Correlation of measured and calculated serum osmolality during mannitol or hypertonic saline infusion in patients after craniotomy: a study protocol and statistical analysis plan for a randomised controlled trial. <i>BMJ Open</i> , 2014, 4, e004921.	1.9	6
31	Short-term use of remifentanyl during endotracheal extubation for prophylactic analgesia in neurosurgical patients after craniotomy (SURE after Craniotomy Study): a study protocol and statistical analysis plan for a randomised controlled trial. <i>BMJ Open</i> , 2014, 4, e005635-e005635.	1.9	6
32	Effects of increased positive end-expiratory pressure on intracranial pressure in acute respiratory distress syndrome: a protocol of a prospective physiological study. <i>BMJ Open</i> , 2016, 6, e012477.	1.9	6
33	Use of Cardiac Cycle Locating to Minimize the Influence of Cardiac Artifacts on Esophageal Pressure Measurement During Dynamic Occlusion Test. <i>Respiratory Care</i> , 2018, 63, 169-176.	1.6	6
34	Additional Expiratory Resistance Elevates Airway Pressure and Lung Volume during High-Flow Tracheal Oxygen via Tracheostomy. <i>Scientific Reports</i> , 2019, 9, 14542.	3.3	6
35	Incidence, risk factors, and consequences of emergence delirium after elective brain tumor resection. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2022, 20, e214-e220.	1.8	6
36	Aminoglycoside use and intensive care unit-acquired weakness: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0230181.	2.5	5

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37	The impact of tracheostomy timing on clinical outcomes and adverse events in intubated patients with infratentorial lesions: early versus late tracheostomy. <i>Neurosurgical Review</i> , 2021, 44, 1513-1522.	2.4	5
38	Effect of increased positive end-expiratory pressure on intracranial pressure and cerebral oxygenation: impact of respiratory mechanics and hypovolemia. <i>BMC Neuroscience</i> , 2021, 22, 72.	1.9	5
39	Lung-protective Ventilation in Patients with Brain Injury. <i>Chinese Medical Journal</i> , 2016, 129, 1643-1651.	2.3	4
40	Development of an early prediction model for postoperative delirium in neurosurgical patients admitted to the ICU after elective craniotomy (E-PREPOD-NS): A secondary analysis of a prospective cohort study. <i>Journal of Clinical Neuroscience</i> , 2021, 90, 217-224.	1.5	4
41	Use of the injection test to indicate the oesophageal balloon position in patients without spontaneous breathing: a clinical feasibility study. <i>Journal of International Medical Research</i> , 2017, 45, 320-331.	1.0	4
42	Detection of reverse triggering in a 55-year-old man under deep sedation and controlled mechanical ventilation. <i>Journal of Thoracic Disease</i> , 2018, 10, E682-E685.	1.4	3
43	Use of the Bispectral Index to Predict Recovery of Consciousness in Patients with Spontaneous Intracerebral Hemorrhage After Surgical Hematoma Evacuation: A Prospective Cohort Study. <i>Medical Science Monitor</i> , 2019, 25, 3446-3453.	1.1	3
44	Role of a successful spontaneous breathing trial in ventilator liberation in brain-injured patients. <i>Annals of Translational Medicine</i> , 2021, 9, 548-548.	1.7	3
45	Use of Electrical Impedance Tomography (EIT) to Estimate Global and Regional Lung Recruitment Volume (VREC) Induced by Positive End-Expiratory Pressure (PEEP): An Experiment in Pigs with Lung Injury. <i>Medical Science Monitor</i> , 2020, 26, e922609.	1.1	3
46	Dexmedetomidine for the prevention of postoperative delirium in patients after intracranial operation for brain tumours (DEPOD study): a study protocol and statistical plan for a multicentre randomised controlled trial. <i>BMJ Open</i> , 2020, 10, e040939.	1.9	2
47	Core competencies in neurocritical care training in China: consensus developed by a national Delphi consensus survey combined with nominal group technique. <i>BMJ Open</i> , 2020, 10, e033441.	1.9	2
48	Feasibility of low-dose dexmedetomidine for prevention of postoperative delirium after intracranial operations: a pilot randomized controlled trial. <i>BMC Neurology</i> , 2021, 21, 472.	1.8	2
49	Would decompressive craniectomy really bring the hope to severe traumatic brain injury?. <i>Journal of Thoracic Disease</i> , 2016, 8, E1505-E1507.	1.4	1
50	A study on the protective effects of CpG oligodeoxynucleotide-induced mucosal immunity against lung injury in a mouse acute respiratory distress syndrome model. <i>Journal of Cellular Physiology</i> , 2019, 234, 20118-20127.	4.1	1
51	Effect of positive end-expiratory pressure on functional residual capacity in two experimental models of acute respiratory distress syndrome. <i>Journal of International Medical Research</i> , 2020, 48, 030006052092042.	1.0	1
52	Higher Grade Glioma Increases the Risk of Postoperative Delirium: Deficient Brain Compensation Might Be a Potential Mechanism of Postoperative Delirium. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 822984.	3.4	1
53	Derecruitment volume assessment derived from pressure-impedance curves with electrical impedance tomography in experimental acute lung injury. <i>Journal of International Medical Research</i> , 2020, 48, 030006052094903.	1.0	0
54	Respiratory Mechanics. , 2021, , 35-125.		0