

Mypinder S Sekhon

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,211
citations

136950

32
h-index

168389

53
g-index

78
all docs

78
docs citations

78
times ranked

4078
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical pathophysiology of hypoxic ischemic brain injury after cardiac arrest: a "two-hit" model. <i>Critical Care</i> , 2017, 21, 90.	5.8	351
2	Confronting the controversy: interleukin-6 and the COVID-19 cytokine storm syndrome. <i>European Respiratory Journal</i> , 2020, 56, 2003006.	6.7	172
3	Brain injury after cardiac arrest: pathophysiology, treatment, and prognosis. <i>Intensive Care Medicine</i> , 2021, 47, 1393-1414.	8.2	165
4	Optic nerve sheath diameter on computed tomography is correlated with simultaneously measured intracranial pressure in patients with severe traumatic brain injury. <i>Intensive Care Medicine</i> , 2014, 40, 1267-1274.	8.2	141
5	Weathering the COVID-19 storm: Lessons from hematologic cytokine syndromes. <i>Blood Reviews</i> , 2021, 45, 100707.	5.7	137
6	The association of ABO blood group with indices of disease severity and multiorgan dysfunction in COVID-19. <i>Blood Advances</i> , 2020, 4, 4981-4989.	5.2	128
7	Baseline characteristics and outcomes of patients with COVID-19 admitted to intensive care units in Vancouver, Canada: a case series. <i>Cmaj</i> , 2020, 192, E694-E701.	2.0	105
8	Diagnosis of elevated intracranial pressure in critically ill adults: systematic review and meta-analysis. <i>BMJ: British Medical Journal</i> , 2019, 366, l4225.	2.3	100
9	The Burden of Brain Hypoxia and Optimal Mean Arterial Pressure in Patients With Hypoxic Ischemic Brain Injury After Cardiac Arrest*. <i>Critical Care Medicine</i> , 2019, 47, 960-969.	0.9	97
10	Association between blood pressure and outcomes in patients after cardiac arrest: A systematic review. <i>Resuscitation</i> , 2015, 97, 1-6.	3.0	91
11	Association of hemoglobin concentration and mortality in critically ill patients with severe traumatic brain injury. <i>Critical Care</i> , 2012, 16, R128.	5.8	87
12	Highs and lows of hyperoxia: physiological, performance, and clinical aspects. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1-R27.	1.8	85
13	Transcranial Doppler: a stethoscope for the brain's neurocritical care use. <i>Journal of Neuroscience Research</i> , 2018, 96, 720-730.	2.9	83
14	Association Between Optic Nerve Sheath Diameter and Mortality in Patients with Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2014, 21, 245-252.	2.4	64
15	Using the relationship between brain tissue regional saturation of oxygen and mean arterial pressure to determine the optimal mean arterial pressure in patients following cardiac arrest: A pilot proof-of-concept study. <i>Resuscitation</i> , 2016, 106, 120-125.	3.0	63
16	Targeted temperature management following out-of-hospital cardiac arrest: a systematic review and network meta-analysis of temperature targets. <i>Intensive Care Medicine</i> , 2021, 47, 1078-1088.	8.2	63
17	Effects of Prone Position and Positive End-Expiratory Pressure on Noninvasive Estimators of ICP: A Pilot Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2017, 29, 243-250.	1.2	55
18	A comparison of non-invasive versus invasive measures of intracranial pressure in hypoxic ischaemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2019, 137, 221-228.	3.0	52

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19	Nitric oxide is fundamental to neurovascular coupling in humans. <i>Journal of Physiology</i> , 2020, 598, 4927-4939.	2.9	51
20	Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysis. <i>World Neurosurgery</i> , 2016, 88, 25-31.	1.3	48
21	Individualized perfusion targets in hypoxic ischemic brain injury after cardiac arrest. <i>Critical Care</i> , 2017, 21, 259.	5.8	46
22	Exercise-induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. <i>Journal of Physiology</i> , 2017, 595, 5227-5244.	2.9	44
23	A Direct Comparison between Norepinephrine and Phenylephrine for Augmenting Spinal Cord Perfusion in a Porcine Model of Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 1345-1357.	3.4	44
24	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. <i>Resuscitation</i> , 2019, 141, 96-103.	3.0	44
25	Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. <i>Critical Care Medicine</i> , 2020, 48, 378-384.	0.9	43
26	Assessing the importance of interleukin-6 in COVID-19. <i>Lancet Respiratory Medicine</i> , 2021, 9, e13.	10.7	43
27	Soluble interleukin-6 receptor in the COVID-19 cytokine storm syndrome. <i>Cell Reports Medicine</i> , 2021, 2, 100269.	6.5	41
28	Multimodal neuromonitoring for traumatic brain injury: A shift towards individualized therapy. <i>Journal of Clinical Neuroscience</i> , 2016, 26, 8-13.	1.5	40
29	The Effect of Red Blood Cell Transfusion on Cerebral Autoregulation in Patients with Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2015, 23, 210-216.	2.4	37
30	Brain Hypoxia Is Associated With Neuroglial Injury in Humans Postcardiac Arrest. <i>Circulation Research</i> , 2021, 129, 583-597.	4.5	37
31	Hemoglobin Area and Time Index Above 90 Åg/L are Associated with Improved 6-Month Functional Outcomes in Patients with Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2015, 23, 78-84.	2.4	34
32	Doppler Non-invasive Monitoring of ICP in an Animal Model of Acute Intracranial Hypertension. <i>Neurocritical Care</i> , 2015, 23, 419-426.	2.4	32
33	Amelioration of COVID-19-related cytokine storm syndrome: parallels to chimeric antigen receptor cell cytokine release syndrome. <i>British Journal of Haematology</i> , 2020, 190, e150-e154.	2.5	32
34	Adherence to guidelines for management of cerebral perfusion pressure and outcome in patients who have severe traumatic brain injury. <i>Journal of Critical Care</i> , 2015, 30, 111-115.	2.2	30
35	The effect of continuous hypertonic saline infusion and hypernatremia on mortality in patients with severe traumatic brain injury: a retrospective cohort study. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 664-673.	1.6	29
36	A Systematic Review of the Risks and Benefits of Venous Thromboembolism Prophylaxis in Traumatic Brain Injury. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 432-444.	0.5	29

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37	The Association of Inflammatory Cytokines in the Pulmonary Pathophysiology of Respiratory Failure in Critically Ill Patients With Coronavirus Disease 2019. , 2020, 2, e0203.		26
38	Determining Optimal Mean Arterial Pressure After Cardiac Arrest: A Systematic Review. Neurocritical Care, 2021, 34, 621-634.	2.4	26
39	Aneurysmal Subarachnoid Hemorrhage in Pregnancyâ€”Case Series, Review, and Pooled Data Analysis. World Neurosurgery, 2016, 88, 383-398.	1.3	25
40	The association between anemia and neurological outcome in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2017, 112, 11-16.	3.0	24
41	Sixty-fourâ€”slice computed tomographic scanner to clear traumatic cervical spine injury: Systematic review of the literature. Journal of Critical Care, 2014, 29, 314.e9-314.e13.	2.2	23
42	Goal-Directed Care Using Invasive Neuromonitoring Versus Standard of Care After Cardiac Arrest: A Matched Cohort Study*. Critical Care Medicine, 2021, 49, 1333-1346.	0.9	22
43	Implementation of Neurocritical Care Is Associated With Improved Outcomes in Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2017, 44, 350-357.	0.5	21
44	Lack of agreement between optimal mean arterial pressure determination using pressure reactivity index versus cerebral oximetry index in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2020, 152, 184-191.	3.0	21
45	Nitric oxide contributes to cerebrovascular shearâ€”mediated dilatation but not steadyâ€”state cerebrovascular reactivity to carbon dioxide. Journal of Physiology, 2022, 600, 1385-1403.	2.9	21
46	Differential pathophysiologic phenotypes of hypoxic ischemic brain injury: considerations for post-cardiac arrest trials. Intensive Care Medicine, 2020, 46, 1969-1971.	8.2	20
47	Persistently elevated complement alternative pathway biomarkers in COVID-19 correlate with hypoxemia and predict in-hospital mortality. Medical Microbiology and Immunology, 2022, 211, 37-48.	4.8	20
48	Atypical Somatic Symptoms in Adults With Prolonged Recovery From Mild Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 43.	2.4	16
49	The safety of synthetic colloid in critically ill patients with severe traumatic brain injuries. Journal of Critical Care, 2011, 26, 357-362.	2.2	15
50	Effect of Cerebral Perfusion Pressure on Acute Respiratory Distress Syndrome. Canadian Journal of Neurological Sciences, 2018, 45, 313-319.	0.5	15
51	Optic nerve sheath diameter on computed tomography not predictive of neurological status post-cardiac arrest. Canadian Journal of Emergency Medicine, 2017, 19, 181-185.	1.1	13
52	Near-Infrared Spectroscopy to Assess Cerebral Autoregulation and Optimal Mean Arterial Pressure in Patients With Hypoxic-Ischemic Brain Injury: A Prospective Multicenter Feasibility Study. , 2020, 2, e0217.		12
53	Lung Injury Is a Predictor of Cerebral Hypoxia and Mortality in Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 771.	2.4	12
54	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. Physiological Reports, 2016, 4, e12737.	1.7	10

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55	Spontaneous Pneumomediastinum in COVID-19: The Macklin Effect?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 989-990.	5.6	9
56	Monitoring and modifying brain oxygenation in patients at risk of hypoxic ischaemic brain injury after cardiac arrest. Critical Care, 2021, 25, 312.	5.8	8
57	Duraplasty in Traumatic Thoracic Spinal Cord Injury: Impact on Spinal Cord Hemodynamics, Tissue Metabolism, Histology, and Behavioral Recovery Using a Porcine Model. Journal of Neurotrauma, 2021, 38, 2937-2955.	3.4	7
58	Assessing autoregulation using near infrared spectroscopy: more questions than answers. Resuscitation, 2020, 156, 280-281.	3.0	6
59	Trans-cerebral HCO ₃ ⁻ and PCO ₂ exchange during acute respiratory acidosis and exercise-induced metabolic acidosis in humans. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 559-571.	4.3	6
60	The association of pH values during the first 24h with neurological status at hospital discharge and futility among patients with out-of-hospital cardiac arrest. Resuscitation, 2021, 159, 105-114.	3.0	5
61	Therapeutic hypothermia attenuates physiologic, histologic, and metabolomic markers of injury in a porcine model of acute respiratory distress syndrome. Physiological Reports, 2022, 10, e15286.	1.7	4
62	Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an exAvivo pig model. Physiological Reports, 2016, 4, e13059.	1.7	3
63	Association between intensive care unit occupancy at discharge, afterhours discharges, and clinical outcomes: a historical cohort study. Canadian Journal of Anaesthesia, 2020, 67, 1359-1370.	1.6	3
64	Comprehensive Immune Profiling of a Kidney Transplant Recipient With Peri-Operative SARS-CoV-2 Infection: A Case Report. Frontiers in Immunology, 2021, 12, 753558.	4.8	3
65	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 131-134.	1.0	2
66	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2021, 11, 7-9.	0.9	2
67	Intraparenchymal Neuromonitoring of Cerebral Fat Embolism Syndrome. , 2021, 3, e0396.		2
68	Reduced fixed dose tocilizumab 400 mg IV compared to weight-based dosing in critically ill patients with COVID-19: A before-after cohort study. The Lancet Regional Health Americas, 2022, 11, 100228.	2.6	2
69	Sixty-four-slice computed tomographic scan to clear cervical spine injury: Remember to examine the patient before clearing. Journal of Critical Care, 2015, 30, 1143-1144.	2.2	1
70	Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 138, 308-309.	3.0	1
71	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2020, 10, 86-90.	0.9	1
72	Analysis of the Association Between Lung Function and Brain Tissue Oxygen Tension in Severe Traumatic Brain Injury. Acta Neurochirurgica Supplementum, 2021, 131, 27-30.	1.0	1

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73	Invasive neuromonitoring post-cardiac arrest: Key considerations. Resuscitation, 2021, 164, 144-146.	3.0	1
74	The importance of the oxygen cascade after cardiac arrest. Resuscitation, 2021, 168, 231-233.	3.0	1
75	In Reply to "Erroneous Methodology in "Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysis" World Neurosurgery, 2016, 91, 652.	1.3	0
76	Correspondence to: Elevated jugular venous oxygen saturation after cardiac arrest. Resuscitation, 2022, 170, 367-368.	3.0	0
77	Low field magnetic resonance imaging: A "beds-eye" view into hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2022, 176, 55-57.	3.0	0