

# Mypinder S Sekhon

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

3,211  
citations

136740

32  
h-index

168136

53  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4078  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistently elevated complement alternative pathway biomarkers in COVID-19 correlate with hypoxemia and predict in-hospital mortality. <i>Medical Microbiology and Immunology</i> , 2022, 211, 37-48.	2.6	20
2	Correspondence to: Elevated jugular venous oxygen saturation after cardiac arrest. <i>Resuscitation</i> , 2022, 170, 367-368.	1.3	0
3	Reduced fixed dose tocilizumab 400 mg IV compared to weight-based dosing in critically ill patients with COVID-19: A before-after cohort study. <i>The Lancet Regional Health Americas</i> , 2022, 11, 100228.	1.5	2
4	Nitric oxide contributes to cerebrovascular shear-mediated dilatation but not steady-state cerebrovascular reactivity to carbon dioxide. <i>Journal of Physiology</i> , 2022, 600, 1385-1403.	1.3	21
5	Trans-cerebral HCO <sub>3</sub> <sup>-</sup> and PCO <sub>2</sub> exchange during acute respiratory acidosis and exercise-induced metabolic acidosis in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 559-571.	2.4	6
6	Therapeutic hypothermia attenuates physiologic, histologic, and metabolomic markers of injury in a porcine model of acute respiratory distress syndrome. <i>Physiological Reports</i> , 2022, 10, e15286.	0.7	4
7	Low field magnetic resonance imaging: A "beds-eye" view into hypoxic ischemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2022, 176, 55-57.	1.3	0
8	Weathering the COVID-19 storm: Lessons from hematologic cytokine syndromes. <i>Blood Reviews</i> , 2021, 45, 100707.	2.8	137
9	Determining Optimal Mean Arterial Pressure After Cardiac Arrest: A Systematic Review. <i>Neurocritical Care</i> , 2021, 34, 621-634.	1.2	26
10	Analysis of the Association Between Lung Function and Brain Tissue Oxygen Tension in Severe Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 27-30.	0.5	1
11	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 131-134.	0.5	2
12	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. <i>Resuscitation</i> , 2021, 159, 105-114.	1.3	5
13	Assessing the importance of interleukin-6 in COVID-19. <i>Lancet Respiratory Medicine</i> , 2021, 9, e13.	5.2	43
14	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. <i>Therapeutic Hypothermia and Temperature Management</i> , 2021, 11, 7-9.	0.3	2
15	Goal-Directed Care Using Invasive Neuromonitoring Versus Standard of Care After Cardiac Arrest: A Matched Cohort Study*. <i>Critical Care Medicine</i> , 2021, 49, 1333-1346.	0.4	22
16	Soluble interleukin-6 receptor in the COVID-19 cytokine storm syndrome. <i>Cell Reports Medicine</i> , 2021, 2, 100269.	3.3	41
17	Invasive neuromonitoring post-cardiac arrest: Key considerations. <i>Resuscitation</i> , 2021, 164, 144-146.	1.3	1
18	Intraparenchymal Neuromonitoring of Cerebral Fat Embolism Syndrome. , 2021, 3, e0396.		2

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19	Duraplasty in Traumatic Thoracic Spinal Cord Injury: Impact on Spinal Cord Hemodynamics, Tissue Metabolism, Histology, and Behavioral Recovery Using a Porcine Model. <i>Journal of Neurotrauma</i> , 2021, 38, 2937-2955.	1.7	7
20	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.	3.9	63
21	Monitoring and modifying brain oxygenation in patients at risk of hypoxic ischaemic brain injury after cardiac arrest. <i>Critical Care</i> , 2021, 25, 312.	2.5	8
22	Brain Hypoxia Is Associated With Neuroglial Injury in Humans Post-Cardiac Arrest. <i>Circulation Research</i> , 2021, 129, 583-597.	2.0	37
23	Spontaneous Pneumomediastinum in COVID-19: The Macklin Effect?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 989-990.	2.5	9
24	Comprehensive Immune Profiling of a Kidney Transplant Recipient With Peri-Operative SARS-CoV-2 Infection: A Case Report. <i>Frontiers in Immunology</i> , 2021, 12, 753558.	2.2	3
25	The importance of the oxygen cascade after cardiac arrest. <i>Resuscitation</i> , 2021, 168, 231-233.	1.3	1
26	Brain injury after cardiac arrest: pathophysiology, treatment, and prognosis. <i>Intensive Care Medicine</i> , 2021, 47, 1393-1414.	3.9	165
27	Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. <i>Critical Care Medicine</i> , 2020, 48, 378-384.	0.4	43
28	The Association of Inflammatory Cytokines in the Pulmonary Pathophysiology of Respiratory Failure in Critically Ill Patients With Coronavirus Disease 2019. , 2020, 2, e0203.		26
29	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
30	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.	2.5	128
31	Lung Injury Is a Predictor of Cerebral Hypoxia and Mortality in Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 771.	1.1	12
32	Differential pathophysiologic phenotypes of hypoxic ischemic brain injury: considerations for post-cardiac arrest trials. <i>Intensive Care Medicine</i> , 2020, 46, 1969-1971.	3.9	20
33	Nitric oxide is fundamental to neurovascular coupling in humans. <i>Journal of Physiology</i> , 2020, 598, 4927-4939.	1.3	51
34	Association between intensive care unit occupancy at discharge, afterhours discharges, and clinical outcomes: a historical cohort study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1359-1370.	0.7	3
35	Confronting the controversy: interleukin-6 and the COVID-19 cytokine storm syndrome. <i>European Respiratory Journal</i> , 2020, 56, 2003006.	3.1	172
36	Assessing autoregulation using near infrared spectroscopy: more questions than answers. <i>Resuscitation</i> , 2020, 156, 280-281.	1.3	6

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37	Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2020, 10, 86-90.	0.3	1
38	Baseline characteristics and outcomes of patients with COVID-19 admitted to intensive care units in Vancouver, Canada: a case series. Cmaj, 2020, 192, E694-E701.	0.9	105
39	Atypical Somatic Symptoms in Adults With Prolonged Recovery From Mild Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 43.	1.1	16
40	Amelioration of COVID-19-related cytokine storm syndrome: parallels to chimeric antigen receptor cell cytokine release syndrome. British Journal of Haematology, 2020, 190, e150-e154.	1.2	32
41	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.	1.3	21
42	Diagnosis of elevated intracranial pressure in critically ill adults: systematic review and meta-analysis. BMJ: British Medical Journal, 2019, 366, l4225.	2.4	100
43	A comparison of non-invasive versus invasive measures of intracranial pressure in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 137, 221-228.	1.3	52
44	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. Resuscitation, 2019, 141, 96-103.	1.3	44
45	Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 138, 308-309.	1.3	1
46	The Burden of Brain Hypoxia and Optimal Mean Arterial Pressure in Patients With Hypoxic Ischemic Brain Injury After Cardiac Arrest*. Critical Care Medicine, 2019, 47, 960-969.	0.4	97
47	Effect of Cerebral Perfusion Pressure on Acute Respiratory Distress Syndrome. Canadian Journal of Neurological Sciences, 2018, 45, 313-319.	0.3	15
48	A Direct Comparison between Norepinephrine and Phenylephrine for Augmenting Spinal Cord Perfusion in a Porcine Model of Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 1345-1357.	1.7	44
49	Transcranial Doppler: a stethoscope for the brain neurocritical care use. Journal of Neuroscience Research, 2018, 96, 720-730.	1.3	83
50	Highs and lows of hyperoxia: physiological, performance, and clinical aspects. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1-R27.	0.9	85
51	A Systematic Review of the Risks and Benefits of Venous Thromboembolism Prophylaxis in Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2018, 45, 432-444.	0.3	29
52	Effects of Prone Position and Positive End-Expiratory Pressure on Noninvasive Estimators of ICP: A Pilot Study. Journal of Neurosurgical Anesthesiology, 2017, 29, 243-250.	0.6	55
53	Clinical pathophysiology of hypoxic ischemic brain injury after cardiac arrest: a "two-hit" model. Critical Care, 2017, 21, 90.	2.5	351
54	Exercise-induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. Journal of Physiology, 2017, 595, 5227-5244.	1.3	44

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55	Implementation of Neurocritical Care Is Associated With Improved Outcomes in Traumatic Brain Injury. <i>Canadian Journal of Neurological Sciences</i> , 2017, 44, 350-357.	0.3	21
56	The association between anemia and neurological outcome in hypoxic ischemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2017, 112, 11-16.	1.3	24
57	Optic nerve sheath diameter on computed tomography not predictive of neurological status post-cardiac arrest. <i>Canadian Journal of Emergency Medicine</i> , 2017, 19, 181-185.	0.5	13
58	Individualized perfusion targets in hypoxic ischemic brain injury after cardiac arrest. <i>Critical Care</i> , 2017, 21, 259.	2.5	46
59	Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an exÅvivo pig model. <i>Physiological Reports</i> , 2016, 4, e13059.	0.7	3
60	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.	0.7	29
61	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.	0.7	0
62	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.	1.3	63
63	Multimodal neuromonitoring for traumatic brain injury: A shift towards individualized therapy. <i>Journal of Clinical Neuroscience</i> , 2016, 26, 8-13.	0.8	40
64	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. <i>Physiological Reports</i> , 2016, 4, e12737.	0.7	10
65	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.	0.7	48
66	Aneurysmal Subarachnoid Hemorrhage in Pregnancy" Case Series, Review, and Pooled Data Analysis. <i>World Neurosurgery</i> , 2016, 88, 383-398.	0.7	25
67	Hemoglobin Area and Time Index Above 90Åg/L are Associated with Improved 6-Month Functional Outcomes in Patients with Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2015, 23, 78-84.	1.2	34
68	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.	1.2	37
69	Association between blood pressure and outcomes in patients after cardiac arrest: A systematic review. <i>Resuscitation</i> , 2015, 97, 1-6.	1.3	91
70	Sixty-four-slice computed tomographic scan to clear cervical spine injury: Remember to examine the patient before clearing. <i>Journal of Critical Care</i> , 2015, 30, 1143-1144.	1.0	1
71	Doppler Non-invasive Monitoring of ICP in an Animal Model of Acute Intracranial Hypertension. <i>Neurocritical Care</i> , 2015, 23, 419-426.	1.2	32
72	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.	1.0	30

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73	Sixty-fourâ€ slice computed tomographic scanner to clear traumatic cervical spine injury: Systematic review of the literature. <i>Journal of Critical Care</i> , 2014, 29, 314.e9-314.e13.	1.0	23
74	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.	3.9	141
75	Association Between Optic Nerve Sheath Diameter and Mortality in Patients with Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2014, 21, 245-252.	1.2	64
76	Association of hemoglobin concentration and mortality in critically ill patients with severe traumatic brain injury. <i>Critical Care</i> , 2012, 16, R128.	2.5	87
77	The safety of synthetic colloid in critically ill patients with severe traumatic brain injuries. <i>Journal of Critical Care</i> , 2011, 26, 357-362.	1.0	15