# Mypinder S Sekhon

List of Publications by Year
in descending order



| 77 | 3,211 | 136950 32 | 168389 53 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 78 | 78 | 78 | 4078 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Correspondence to: Elevated jugular venous oxygen saturation after cardiac arrest. Resuscitation, 2022, 170, 367-368. | 3.0 | 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. The Lancet Regional Health Americas, 2022, 11, 100228. | 2.6 | 2 |
| 4 | 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 |
| 5 | Trans-cerebral HCO<sub>3</sub><sup>â^'</sup> and PCO<sub>2</sub> 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 |
| 6 | 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 |
| 7 | Low field magnetic resonance imaging: A â€œbeds-eye-dâ€•view into hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2022, 176, 55-57. | 3.0 | 0 |
| 8 | Weathering the COVID-19 storm: Lessons from hematologic cytokine syndromes. Blood Reviews, 2021, 45, 100707. | 5.7 | 137 |
| 9 | Determining Optimal Mean Arterial Pressure After Cardiac Arrest: A Systematic Review. Neurocritical Care, 2021, 34, 621-634. | 2.4 | 26 |
| 10 | 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 |
| 11 | Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 131-134. | 1.0 | 2 |
| 12 | The association of pH values during the first 24â€¯h with neurological status at hospital discharge and futility among patients with out-of-hospital cardiac arrest. Resuscitation, 2021, 159, 105-114. | 3.0 | 5 |
| 13 | Assessing the importance of interleukin-6 in COVID-19. Lancet Respiratory Medicine,the, 2021, 9, e13. | 10.7 | 43 |
| 14 | Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2021, 11, 7-9. | 0.9 | 2 |
| 15 | 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 |
| 16 | Soluble interleukin-6 receptor in the COVID-19 cytokine storm syndrome. Cell Reports Medicine, 2021, 2, 100269. | 6.5 | 41 |
| 17 | Invasive neuromonitoring post-cardiac arrest: Key considerations. Resuscitation, 2021, 164, 144-146. | 3.0 | 1 |
| 18 | Intraparenchymal Neuromonitoring of Cerebral Fat Embolism Syndrome. , 2021, 3, e0396. | | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Targeted temperature management following out-of-hospital cardiac arrest: a systematic review and network meta-analysis of temperature targets. Intensive Care Medicine, 2021, 47, 1078-1088. | 8.2 | 63 |
| 21 | 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 |
| 22 | Brain Hypoxia Is Associated With Neuroglial Injury in Humans Postâ€“Cardiac Arrest. Circulation Research, 2021, 129, 583-597. | 4.5 | 37 |
| 23 | Spontaneous Pneumomediastinum in COVID-19: The Macklin Effect?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 989-990. | 5.6 | 9 |
| 24 | 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 |
| 25 | The importance of the oxygen cascade after cardiac arrest. Resuscitation, 2021, 168, 231-233. | 3.0 | 1 |
| 26 | Brain injury after cardiac arrest: pathophysiology, treatment, and prognosis. Intensive Care Medicine, 2021, 47, 1393-1414. | 8.2 | 165 |
| 27 | Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. Critical Care Medicine, 2020, 48, 378-384. | 0.9 | 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. Blood Advances, 2020, 4, 4981-4989. | 5.2 | 128 |
| 31 | Lung Injury Is a Predictor of Cerebral Hypoxia and Mortality in Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 771. | 2.4 | 12 |
| 32 | Differential pathophysiologic phenotypes of hypoxic ischemic brain injury: considerations for post-cardiac arrest trials. Intensive Care Medicine, 2020, 46, 1969-1971. | 8.2 | 20 |
| 33 | Nitric oxide is fundamental to neurovascular coupling in humans. Journal of Physiology, 2020, 598, 4927-4939. | 2.9 | 51 |
| 34 | 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 |
| 35 | Confronting the controversy: interleukin-6 and the COVID-19 cytokine storm syndrome. European Respiratory Journal, 2020, 56, 2003006. | 6.7 | 172 |
| 36 | Assessing autoregulation using near infrared spectroscopy: more questions than answers. Resuscitation, 2020, 156, 280-281. | 3.0 | 6 |

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|---|---|---|---|
| 37 | Temperature Management in Neurological and Neurosurgical Intensive Care Unit. Therapeutic Hypothermia and Temperature Management, 2020, 10, 86-90. | 0.9 | 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. | 2.0 | 105 |
| 39 | Atypical Somatic Symptoms in Adults With Prolonged Recovery From Mild Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 43. | 2.4 | 16 |
| 40 | Amelioration of COVIDâ€19â€related cytokine storm syndrome: parallels to chimeric antigen receptorâ€T cell cytokine release syndrome. British Journal of Haematology, 2020, 190, e150-e154. | 2.5 | 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. | 3.0 | 21 |
| 42 | Diagnosis of elevated intracranial pressure in critically ill adults: systematic review and meta-analysis. BMJ: British Medical Journal, 2019, 366, l4225. | 2.3 | 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. | 3.0 | 52 |
| 44 | Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. Resuscitation, 2019, 141, 96-103. | 3.0 | 44 |
| 45 | Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 138, 308-309. | 3.0 | 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. | 0.9 | 97 |
| 47 | Effect of Cerebral Perfusion Pressure on Acute Respiratory Distress Syndrome. Canadian Journal of Neurological Sciences, 2018, 45, 313-319. | 0.5 | 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. | 3.4 | 44 |
| 49 | Transcranial Doppler: a stethoscope for the brainâ€neurocritical care use. Journal of Neuroscience Research, 2018, 96, 720-730. | 2.9 | 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. | 1.8 | 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. | 0.5 | 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. | 1.2 | 55 |
| 53 | Clinical pathophysiology of hypoxic ischemic brain injury after cardiac arrest: a â€œtwo-hitâ€model. Critical Care, 2017, 21, 90. | 5.8 | 351 |
| 54 | Exerciseâ€induced quadriceps muscle fatigue in men and women: effects of arterial oxygen content and respiratory muscle work. Journal of Physiology, 2017, 595, 5227-5244. | 2.9 | 44 |

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|---|---|---|---|
| 55 | 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 |
| 56 | The association between anemia and neurological outcome in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2017, 112, 11-16. | 3.0 | 24 |
| 57 | 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 |
| 58 | Individualized perfusion targets in hypoxic ischemic brain injury after cardiac arrest. Critical Care, 2017, 21, 259. | 5.8 | 46 |
| 59 | Functional respiratory imaging, regional strain, and expiratory time constants at three levels of positive end expiratory pressure in an exÂvivo pig model. Physiological Reports, 2016, 4, e13059. | 1.7 | 3 |
| 60 | The effect of continuous hypertonic saline infusion and hypernatremia on mortality in patients with severe traumatic brain injury: a retrospective cohort study. Canadian Journal of Anaesthesia, 2016, 63, 664-673. | 1.6 | 29 |
| 61 | In Reply to â€œErroneous Methodology in â€˜Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysisâ€™â€• World Neurosurgery, 2016, 91, 652. | 1.3 | 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. Resuscitation, 2016, 106, 120-125. | 3.0 | 63 |
| 63 | Multimodal neuromonitoring for traumatic brain injury: A shift towards individualized therapy. Journal of Clinical Neuroscience, 2016, 26, 8-13. | 1.5 | 40 |
| 64 | 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 |
| 65 | Craniotomy Versus Craniectomy for Acute Traumatic Subdural Hematoma in the United States: A National Retrospective Cohort Analysis. World Neurosurgery, 2016, 88, 25-31. | 1.3 | 48 |
| 66 | Aneurysmal Subarachnoid Hemorrhage in Pregnancyâ€”Case Series, Review, and Pooled Data Analysis. World Neurosurgery, 2016, 88, 383-398. | 1.3 | 25 |
| 67 | Hemoglobin Area and Time Index Above 90Âg/L are Associated with Improved 6-Month Functional Outcomes in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2015, 23, 78-84. | 2.4 | 34 |
| 68 | The Effect of Red Blood Cell Transfusion on Cerebral Autoregulation in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2015, 23, 210-216. | 2.4 | 37 |
| 69 | Association between blood pressure and outcomes in patients after cardiac arrest: A systematic review. Resuscitation, 2015, 97, 1-6. | 3.0 | 91 |
| 70 | 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 |
| 71 | Doppler Non-invasive Monitoring of ICP in an Animal Model of Acute Intracranial Hypertension. Neurocritical Care, 2015, 23, 419-426. | 2.4 | 32 |
| 72 | Adherence to guidelines for management of cerebral perfusion pressure and outcome in patients who have severe traumatic brain injury. Journal of Critical Care, 2015, 30, 111-115. | 2.2 | 30 |

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| 73 | 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 |
| 74 | Optic nerve sheath diameter on computed tomography is correlated with simultaneously measured intracranial pressure in patients with severe traumatic brain injury. Intensive Care Medicine, 2014, 40, 1267-1274. | 8.2 | 141 |
| 75 | Association Between Optic Nerve Sheath Diameter and Mortality in Patients with Severe Traumatic Brain Injury. Neurocritical Care, 2014, 21, 245-252. | 2.4 | 64 |
| 76 | Association of hemoglobin concentration and mortality in critically ill patients with severe traumatic brain injury. Critical Care, 2012, 16, R128. | 5.8 | 87 |
| 77 | 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 |