

Frederick A Zeiler

List of Publications by Year in Descending Order

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Version: 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204 papers	2,790 citations	28 h-index	42 g-index
214 ext. papers	3,857 ext. citations	3.6 avg, IF	5.71 L-index

#	Paper	IF	Citations
204	Neurocognitive correlates of probable posttraumatic stress disorder following traumatic brain injury. <i>Brain and Spine</i> , 2022 , 2, 100854		0
203	Intracranial Pressure-Derived Cerebrovascular Reactivity Indices, Chronological Age, and Biological Sex in Traumatic Brain Injury: A Scoping Review.. <i>Neurotrauma Reports</i> , 2022 , 3, 44-56	1.6	1
202	Subarachnoid Hemorrhage (SAH) in the Neuro-ICU: Usefulness of Transcranial Doppler (TCD/TCCS) for Delayed Cerebral Ischemia (DCI) Monitoring 2022 , 395-410		
201	Traumatic Brain Injury in Neuro-ICU: Usefulness and Experience of Robotic Transcranial Doppler (TCD) 2022 , 1045-1056		
200	Awake Craniotomy Under 3-Tesla Intraoperative Magnetic Resonance Imaging: A Retrospective Descriptive Report and Canadian Institutional Experience. <i>Journal of Neurosurgical Anesthesiology</i> , 2022 , 34, e46-e51	3	1
199	Practical Considerations for Continuous Time-Domain Cerebrovascular Reactivity Indices in Traumatic Brain Injury: Do Scaling Errors in Parent Signals Matter?. <i>Frontiers in Neurology</i> , 2022 , 13, 857617		
198	Accuracy of Optic Nerve Sheath Diameter Measurements in Pocket-Sized Ultrasound Devices in a Simulation Model.. <i>Frontiers in Medicine</i> , 2022 , 9, 831778	4.9	1
197	Continuous Determination of the Optimal Bispectral Index Value Based on Cerebrovascular Reactivity in Moderate/Severe Traumatic Brain Injury: A Retrospective Observational Cohort Study of a Novel Individualized Sedation Target. 2022 , 4, e0656		0
196	Non-Invasive and Minimally-Invasive Cerebral Autoregulation Assessment: A Narrative Review of Techniques and Implications for Clinical Research.. <i>Frontiers in Neurology</i> , 2022 , 13, 872731	4.1	0
195	Serum metabolome associated with severity of acute traumatic brain injury.. <i>Nature Communications</i> , 2022 , 13, 2545	17.4	2
194	Traumatic brain injury: Linking intracranial pressure, arterial pressure, and the pressure reactivity index 2022 , 169-180		
193	Cerebral perfusion pressure thresholds in traumatic brain injury 2022 , 181-190		
192	Evaluation of the relationship between slow-waves of intracranial pressure, mean arterial pressure and brain tissue oxygen in TBI: a CENTER-TBI exploratory analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 711-722	2	4
191	Near Infrared Spectroscopy for High-Temporal Resolution Cerebral Physiome Characterization in TBI: A Narrative Review of Techniques, Applications, and Future Directions. <i>Frontiers in Pharmacology</i> , 2021 , 12, 719501	5.6	2
190	Association of Age and Sex With Multi-Modal Cerebral Physiology in Adult Moderate/Severe Traumatic Brain Injury: A Narrative Overview and Future Avenues for Personalized Approaches.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 676154	5.6	0
189	Questionnaires vs Interviews for the Assessment of Global Functional Outcomes After Traumatic Brain Injury. <i>JAMA Network Open</i> , 2021 , 4, e2134121	10.4	0
188	Impact of Age and Biological Sex on Cerebrovascular Reactivity in Adult Moderate/Severe Traumatic Brain Injury: An Exploratory Analysis.. <i>Neurotrauma Reports</i> , 2021 , 2, 488-501	1.6	0

187	Modeling Brain-Heart Crosstalk Information in Patients with Traumatic Brain Injury. <i>Neurocritical Care</i> , 2021 , 1	3.3	1
186	Explaining Outcome Differences between Men and Women following Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021 , 38, 3315-3331	5.4	6
185	Prediction of Global Functional Outcome and Post-Concussive Symptoms after Mild Traumatic Brain Injury: External Validation of Prognostic Models in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) Study. <i>Journal of Neurotrauma</i> , 2021 , 38, 196-209	5.4	4
184	Differences between Men and Women in Treatment and Outcome after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021 , 38, 235-251	5.4	12
183	Association between Physiological Signal Complexity and Outcomes in Moderate and Severe Traumatic Brain Injury: A CENTER-TBI Exploratory Analysis of Multi-Scale Entropy. <i>Journal of Neurotrauma</i> , 2021 , 38, 272-282	5.4	7
182	Antithrombotic choice in blunt cerebrovascular injuries: Experience at a tertiary trauma center, systematic review, and meta-analysis. <i>Journal of Trauma and Acute Care Surgery</i> , 2021 , 91, e1-e12	3.3	4
181	Genetic Variation and Impact on Outcome in Traumatic Brain Injury: an Overview of Recent Discoveries. <i>Current Neurology and Neuroscience Reports</i> , 2021 , 21, 19	6.6	3
180	Point-of-Care Noninvasive Assessments of Cerebrovascular Reactivity in Traumatic Brain Injury: Integrating the Physiome with Clinical Phenotype. <i>Annals of Neurology</i> , 2021 , 90, 19-21	9.4	0
179	Early diagnosis of mortality using admission CT perfusion in severe traumatic brain injury patients (ACT-TBI): protocol for a prospective cohort study. <i>BMJ Open</i> , 2021 , 11, e047305	3	4
178	Transcranial Doppler Based Cerebrovascular Reactivity Indices in Adult Traumatic Brain Injury: A Scoping Review of Associations With Patient Oriented Outcomes. <i>Frontiers in Pharmacology</i> , 2021 , 12, 690921	5.6	0
177	Brain Temperature Influences Intracranial Pressure and Cerebral Perfusion Pressure After Traumatic Brain Injury: A CENTER-TBI Study. <i>Neurocritical Care</i> , 2021 , 1	3.3	1
176	Management of arterial partial pressure of carbon dioxide in the first week after traumatic brain injury: results from the CENTER-TBI study. <i>Intensive Care Medicine</i> , 2021 , 47, 961-973	14.5	2
175	The Limited Impact of Current Therapeutic Interventions on Cerebrovascular Reactivity in Traumatic Brain Injury: A Narrative Overview. <i>Neurocritical Care</i> , 2021 , 34, 325-335	3.3	16
174	Continuous and entirely non-invasive method for cerebrovascular reactivity assessment: technique and implications. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 307-315	2	8
173	Genetic Influences on Patient-Oriented Outcomes in Traumatic Brain Injury: A Living Systematic Review of Non-Apolipoprotein E Single-Nucleotide Polymorphisms. <i>Journal of Neurotrauma</i> , 2021 , 38, 1107-1123	5.4	24
172	Apolipoprotein E4 Polymorphism and Outcomes from Traumatic Brain Injury: A Living Systematic Review and Meta-Analysis. <i>Journal of Neurotrauma</i> , 2021 , 38, 1124-1136	5.4	26
171	Frequency of fatigue and its changes in the first 6 months after traumatic brain injury: results from the CENTER-TBI study. <i>Journal of Neurology</i> , 2021 , 268, 61-73	5.5	2
170	Autonomic Nervous System Activity during Refractory Rise in Intracranial Pressure. <i>Journal of Neurotrauma</i> , 2021 , 38, 1662-1669	5.4	0

169	The Effect of Temperature Increases on Brain Tissue Oxygen Tension in Patients with Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury Substudy. <i>Therapeutic Hypothermia and Temperature Management</i> , 2021 , 11, 122-131	1.3	2
168	Systemic Markers of Injury and Injury Response Are Not Associated with Impaired Cerebrovascular Reactivity in Adult Traumatic Brain Injury: A Collaborative European Neurotrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) Study. <i>Journal of Neurotrauma</i> , 2021 , 38, 870-878	5.4	3
167	Patient-specific ICP Epidemiologic Thresholds in Adult Traumatic Brain Injury: A CENTER-TBI Validation Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2021 , 33, 28-38	3	25
166	Patient's Clinical Presentation and CPPopt Availability: Any Association?. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 167-172	1.7	0
165	Non-Invasive Continuous Cerebrovascular Monitoring for Subacute Bedside and Outpatient Settings: An Important Advancement. <i>Neurotrauma Reports</i> , 2021 , 2, 25-26	1.6	1
164	Cerebrovascular Autoregulation Monitoring in the Management of Adult Severe Traumatic Brain Injury: A Delphi Consensus of Clinicians. <i>Neurocritical Care</i> , 2021 , 34, 731-738	3.3	15
163	Optimal Cerebral Perfusion Pressure Assessed with a Multi-Window Weighted Approach Adapted for Prospective Use: A Validation Study. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 181-185	1.7	1
162	Cerebrovascular Consequences of Elevated Intracranial Pressure After Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 43-48	1.7	1
161	Sedation and cerebrovascular reactivity in traumatic brain injury: another potential avenue for personalized approaches in neurocritical care?. <i>Acta Neurochirurgica</i> , 2021 , 163, 1383-1389	3	4
160	Lower Limit of Reactivity Assessed with PRx in an Experimental Setting. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 275-278	1.7	2
159	Visualization of Intracranial Pressure Insults After Severe Traumatic Brain Injury: Influence of Individualized Limits of Reactivity. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 7-10	1.7	0
158	Methodological Consideration on Monitoring Refractory Intracranial Hypertension and Autonomic Nervous System Activity. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 211-215	1.7	0
157	Utility of Transcranial Doppler in Moderate and Severe Traumatic Brain Injury: A Narrative Review of Cerebral Physiologic Metrics. <i>Journal of Neurotrauma</i> , 2021 , 38, 2206-2220	5.4	3
156	Computer Vision for Continuous Bedside Pharmacological Data Extraction: A Novel Application of Artificial Intelligence for Clinical Data Recording and Biomedical Research. <i>Frontiers in Big Data</i> , 2021 , 4, 689358	2.8	1
155	Association Between Processed Electroencephalogram-Based Objectively Measured Depth of Sedation and Cerebrovascular Response: A Systematic Scoping Overview of the Human and Animal Literature. <i>Frontiers in Neurology</i> , 2021 , 12, 692207	4.1	2
154	Imputation strategies for missing baseline neurological assessment covariates after traumatic brain injury: A CENTER-TBI study. <i>PLoS ONE</i> , 2021 , 16, e0253425	3.7	1
153	Occurrence and timing of withdrawal of life-sustaining measures in traumatic brain injury patients: a CENTER-TBI study. <i>Intensive Care Medicine</i> , 2021 , 47, 1115-1129	14.5	1
152	Health Determinants among North Americans Experiencing Homelessness and Traumatic Brain Injury: A Scoping Review.. <i>Neurotrauma Reports</i> , 2021 , 2, 303-321	1.6	

151	Integrative Neuroinformatics for Precision Prognostication and Personalized Therapeutics in Moderate and Severe Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2021 , 12, 729184	4.1	0
150	Usability of Noninvasive Counterparts of Traditional Autoregulation Indices in Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 163-166	1.7	
149	Optimal Cerebral Perfusion Pressure Based on Intracranial Pressure-Derived Indices of Cerebrovascular Reactivity: Which One Is Better for Outcome Prediction in Moderate/Severe Traumatic Brain Injury?. <i>Acta Neurochirurgica Supplementum</i> , 2021 , 131, 173-179	1.7	0
148	Advanced Bio-signal Analytics for Continuous Bedside Monitoring of Aneurysmal Subarachnoid Hemorrhage: The Future. <i>Neurocritical Care</i> , 2021 , 34, 375-378	3.3	
147	Can We Cluster ICU Treatment Strategies for Traumatic Brain Injury by Hospital Treatment Preferences?. <i>Neurocritical Care</i> , 2021 , 1	3.3	0
146	Continuous Time-Domain Cerebrovascular Reactivity Metrics and Discriminate Capacity for the Upper and Lower Limits of Autoregulation: A Scoping Review of the Animal Literature.. <i>Neurotrauma Reports</i> , 2021 , 2, 639-659	1.6	0
145	Alternative continuous intracranial pressure-derived cerebrovascular reactivity metrics in traumatic brain injury: a scoping overview. <i>Acta Neurochirurgica</i> , 2020 , 162, 1647-1662	3	5
144	Analysis of Normal High-Frequency Intracranial Pressure Values and Treatment Threshold in Neurocritical Care Patients: Insights into Normal Values and a Potential Treatment Threshold. <i>JAMA Neurology</i> , 2020 , 77, 1150-1158	17.2	8
143	The CANadian High-Resolution Traumatic Brain Injury (CAHR-TBI) Research Collaborative. <i>Canadian Journal of Neurological Sciences</i> , 2020 , 47, 551-556	1	19
142	Machine learning algorithms performed no better than regression models for prognostication in traumatic brain injury. <i>Journal of Clinical Epidemiology</i> , 2020 , 122, 95-107	5.7	47
141	Diffuse Intracranial Injury Patterns Are Associated with Impaired Cerebrovascular Reactivity in Adult Traumatic Brain Injury: A CENTER-TBI Validation Study. <i>Journal of Neurotrauma</i> , 2020 , 37, 1597-1608	5.4	8
140	Intracranial Pressure Threshold Heuristics in Traumatic Brain Injury: One, None, Many!. <i>Neurocritical Care</i> , 2020 , 32, 672-676	3.3	6
139	Dural Venous Sinus Thrombosis in Patients Presenting with Blunt Traumatic Brain Injuries and Skull Fractures: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2020 , 142, 495-505.e3	2.1	8
138	Improving Prediction of Favourable Outcome After 6 Months in Patients with Severe Traumatic Brain Injury Using Physiological Cerebral Parameters in a Multivariable Logistic Regression Model. <i>Neurocritical Care</i> , 2020 , 33, 542-551	3.3	15
137	A New Inexpensive Simulation Model for Ultrasound Assessment of Optic Nerve Sheath Diameter. <i>Canadian Journal of Neurological Sciences</i> , 2020 , 47, 543-548	1	1
136	Continuous cerebrovascular reactivity monitoring in moderate/severe traumatic brain injury: a narrative review of advances in neurocritical care. <i>British Journal of Anaesthesia</i> , 2020 ,	5.4	26
135	Statistical Cerebrovascular Reactivity Signal Properties after Secondary Decompressive Craniectomy in Traumatic Brain Injury: A CENTER-TBI Pilot Analysis. <i>Journal of Neurotrauma</i> , 2020 , 37, 1306-1314	5.4	11
134	Relationship between Measures of Cerebrovascular Reactivity and Intracranial Lesion Progression in Acute Traumatic Brain Injury Patients: A CENTER-TBI Study. <i>Journal of Neurotrauma</i> , 2020 , 37, 1556-1565	5.4	11

133	Influence of Blood-Brain Barrier Integrity on Brain Protein Biomarker Clearance in Severe Traumatic Brain Injury: A Longitudinal Prospective Study. <i>Journal of Neurotrauma</i> , 2020 , 37, 1381-1391	5.4	27
132	Brain Tissue Oxygen and Cerebrovascular Reactivity in Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury Exploratory Analysis of Insult Burden. <i>Journal of Neurotrauma</i> , 2020 , 37, 1854-1863	5.4	17
131	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study. <i>PLoS ONE</i> , 2020 , 15, e0243427	3.7	14
130	Near-Infrared Cerebrovascular Reactivity for Monitoring Cerebral Autoregulation and Predicting Outcomes in Moderate to Severe Traumatic Brain Injury: Proposal for a Pilot Observational Study. <i>JMIR Research Protocols</i> , 2020 , 9, e18740	2	8
129	Hypertonic Saline for Moderate Traumatic Brain Injury: A Scoping Review of Impact on Neurological Deterioration. <i>Neurotrauma Reports</i> , 2020 , 1, 253-260	1.6	2
128	Informed consent procedures in patients with an acute inability to provide informed consent: Policy and practice in the CENTER-TBI study. <i>Journal of Critical Care</i> , 2020 , 59, 6-15	4	4
127	Variation in the practice of tracheal intubation in Europe after traumatic brain injury: a prospective cohort study. <i>Anaesthesia</i> , 2020 , 75, 45-53	6.6	11
126	Influence of mild-moderate hypocapnia on intracranial pressure slow waves activity in TBI. <i>Acta Neurochirurgica</i> , 2020 , 162, 345-356	3	3
125	Continuous Near-infrared Spectroscopy Monitoring in Adult Traumatic Brain Injury: A Systematic Review. <i>Journal of Neurosurgical Anesthesiology</i> , 2020 , 32, 288-299	3	17
124	Relationship Between Measures of Cerebrovascular Reactivity and Intracranial Lesion Progression in Acute TBI Patients: an Exploratory Analysis. <i>Neurocritical Care</i> , 2020 , 32, 373-382	3.3	15
123	Association between Cerebrovascular Reactivity Monitoring and Mortality Is Preserved When Adjusting for Baseline Admission Characteristics in Adult Traumatic Brain Injury: A CENTER-TBI Study. <i>Journal of Neurotrauma</i> , 2020 , 37, 1233-1241	5.4	25
122	Validation of non-invasive cerebrovascular pressure reactivity and pulse amplitude reactivity indices in traumatic brain injury. <i>Acta Neurochirurgica</i> , 2020 , 162, 337-344	3	1
121	The Impact of Vasopressor and Sedative Agents on Cerebrovascular Reactivity and Compensatory Reserve in Traumatic Brain Injury: An Exploratory Analysis. <i>Neurotrauma Reports</i> , 2020 , 1, 157-168	1.6	10
120	Predictors of Access to Rehabilitation in the Year Following Traumatic Brain Injury: A European Prospective and Multicenter Study. <i>Neurorehabilitation and Neural Repair</i> , 2020 , 34, 814-830	4.7	5
119	Tracheal intubation in traumatic brain injury: a multicentre prospective observational study. <i>British Journal of Anaesthesia</i> , 2020 , 125, 505-517	5.4	9
118	Cerebrovascular Response to Phenylephrine in Traumatic Brain Injury: A Scoping Systematic Review of the Human and Animal Literature. <i>Neurotrauma Reports</i> , 2020 , 1, 46-62	1.6	3
117	Cerebrovascular Response to Propofol, Fentanyl, and Midazolam in Moderate/Severe Traumatic Brain Injury: A Scoping Systematic Review of the Human and Animal Literature. <i>Neurotrauma Reports</i> , 2020 , 1, 100-112	1.6	6
116	The cerebrovascular response to norepinephrine: A scoping systematic review of the animal and human literature. <i>Pharmacology Research and Perspectives</i> , 2020 , 8, e00655	3.1	6

115	The impact of hypertonic saline on cerebrovascular reactivity and compensatory reserve in traumatic brain injury: an exploratory analysis. <i>Acta Neurochirurgica</i> , 2020 , 162, 2683-2693	3	8
114	Descriptive analysis of low versus elevated intracranial pressure on cerebral physiology in adult traumatic brain injury: a CENTER-TBI exploratory study. <i>Acta Neurochirurgica</i> , 2020 , 162, 2695-2706	3	3
113	Observations on the Cerebral Effects of Refractory Intracranial Hypertension After Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2020 , 32, 437-447	3.3	10
112	Comparison of high versus low frequency cerebral physiology for cerebrovascular reactivity assessment in traumatic brain injury: a multi-center pilot study. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 971-994	2	9
111	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study 2020 , 15, e0243427		
110	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study 2020 , 15, e0243427		
109	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study 2020 , 15, e0243427		
108	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study 2020 , 15, e0243427		
107	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. <i>Lancet Neurology</i> , 2019 , 18, 923-934 ^{24.1}		139
106	Cerebrovascular reactivity is not associated with therapeutic intensity in adult traumatic brain injury: a CENTER-TBI analysis. <i>Acta Neurochirurgica</i> , 2019 , 161, 1955-1964	3	28
105	Compensatory-reserve-weighted intracranial pressure versus intracranial pressure for outcome association in adult traumatic brain injury: a CENTER-TBI validation study. <i>Acta Neurochirurgica</i> , 2019 , 161, 1275-1284	3	11
104	Univariate comparison of performance of different cerebrovascular reactivity indices for outcome association in adult TBI: a CENTER-TBI study. <i>Acta Neurochirurgica</i> , 2019 , 161, 1217-1227	3	37
103	Non-Invasive Pressure Reactivity Index Using Doppler Systolic Flow Parameters: A Pilot Analysis. <i>Journal of Neurotrauma</i> , 2019 , 36, 713-720	5.4	17
102	Artifact removal from neurophysiological signals: impact on intracranial and arterial pressure monitoring in traumatic brain injury. <i>Journal of Neurosurgery</i> , 2019 , 132, 1952-1960	3.2	7
101	Estimation of pulsatile cerebral arterial blood volume based on transcranial doppler signals. <i>Medical Engineering and Physics</i> , 2019 , 74, 23-32	2.4	5
100	The Full Outline of UnResponsiveness (FOUR) Score and Its Use in Outcome Prediction: A Scoping Systematic Review of the Adult Literature. <i>Neurocritical Care</i> , 2019 , 31, 162-175	3.3	16
99	Twenty-Five Years of Intracranial Pressure Monitoring After Severe Traumatic Brain Injury: A Retrospective, Single-Center Analysis. <i>Neurosurgery</i> , 2019 , 85, E75-E82	3.2	53
98	Changes in cardiac autonomic activity during intracranial pressure plateau waves in patients with traumatic brain injury. <i>Clinical Autonomic Research</i> , 2019 , 29, 123-126	4.3	5

97	Effect of Intrawound Vancomycin on Surgical Site Infections in Nonspinal Neurosurgical Procedures: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019 , 123, 409-417.e7	2.1	9
96	Continuous Thermal Diffusion-Based Cerebral Blood Flow Monitoring in Adult Traumatic Brain Injury: A Scoping Systematic Review. <i>Journal of Neurotrauma</i> , 2019 , 36, 1707-1723	5.4	7
95	The Full Outline of UnResponsiveness (FOUR) Score and Its Use in Outcome Prediction: A Scoping Review of the Pediatric Literature. <i>Journal of Child Neurology</i> , 2019 , 34, 189-198	2.5	5
94	Autonomic Dysfunction and Associations with Functional and Neurophysiological Outcome in Moderate/Severe Traumatic Brain Injury: A Scoping Review. <i>Journal of Neurotrauma</i> , 2019 , 36, 1491-1504	5.4	23
93	Comparison of Performance of Different Optimal Cerebral Perfusion Pressure Parameters for Outcome Prediction in Adult Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) Study. <i>Journal of Neurotrauma</i> , 2019 , 36, 1505-1517	5.4	31
92	Genetic drivers of cerebral blood flow dysfunction in TBI: a speculative synthesis. <i>Nature Reviews Neurology</i> , 2019 , 15, 25-39	15	21
91	Response: microdialysis as a useful tool to detect cerebral metabolic crises. <i>Acta Neurochirurgica</i> , 2018 , 160, 921-922	3	1
90	Midline Shift is Unrelated to Subjective Pupillary Reactivity Assessment on Admission in Moderate and Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2018 , 29, 203-213	3.3	6
89	Estimating Pressure Reactivity Using Noninvasive Doppler-Based Systolic Flow Index. <i>Journal of Neurotrauma</i> , 2018 , 35, 1559-1568	5.4	17
88	Intracranial and Extracranial Injury Burden as Drivers of Impaired Cerebrovascular Reactivity in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 1569-1577	5.4	21
87	The Impact of Mean Arterial Pressure on Functional Outcome Post Trauma-Related Acute Spinal Cord Injury: A Scoping Systematic Review of the Human Literature. <i>Journal of Intensive Care Medicine</i> , 2018 , 33, 3-15	3.3	8
86	Mechanism of death after early decompressive craniectomy in traumatic brain injury. <i>Trauma</i> , 2018 , 20, 175-182	0.3	2
85	Sodium Bicarbonate for Control of ICP: A Systematic Review. <i>Journal of Neurosurgical Anesthesiology</i> , 2018 , 30, 2-9	3	8
84	Transcranial Doppler Systolic Flow Index and ICP-Derived Cerebrovascular Reactivity Indices in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 314-322	5.4	27
83	ICP Versus Laser Doppler Cerebrovascular Reactivity Indices to Assess Brain Autoregulatory Capacity. <i>Neurocritical Care</i> , 2018 , 28, 194-202	3.3	18
82	Compensatory-Reserve-Weighted Intracranial Pressure and Its Association with Outcome After Traumatic Brain Injury. <i>Neurocritical Care</i> , 2018 , 28, 212-220	3.3	22
81	Validation of Pressure Reactivity and Pulse Amplitude Indices against the Lower Limit of Autoregulation, Part I: Experimental Intracranial Hypertension. <i>Journal of Neurotrauma</i> , 2018 , 35, 2803-2811	5.4	35
80	Critical thresholds for intracranial pressure vary over time in non-craniectomised traumatic brain injury patients. <i>Acta Neurochirurgica</i> , 2018 , 160, 1315-1324	3	13

79	A Promising New Noninvasive Measure of Cerebrovascular Reactivity: Not Yet Cerebral Autoregulation. <i>Neurocritical Care</i> , 2018 , 29, 317-318	3:3	1
78	Validation of Intracranial Pressure-Derived Cerebrovascular Reactivity Indices against the Lower Limit of Autoregulation, Part II: Experimental Model of Arterial Hypotension. <i>Journal of Neurotrauma</i> , 2018 , 35, 2812-2819	5:4	31
77	Critical Thresholds of Intracranial Pressure-Derived Continuous Cerebrovascular Reactivity Indices for Outcome Prediction in Noncraniectomized Patients with Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 1107-1115	5:4	53
76	A Description of a New Continuous Physiological Index in Traumatic Brain Injury Using the Correlation between Pulse Amplitude of Intracranial Pressure and Cerebral Perfusion Pressure. <i>Journal of Neurotrauma</i> , 2018 , 35, 963-974	5:4	31
75	Anesthesia for Awake Craniotomy for Brain Tumors in an Intraoperative MRI Suite: Challenges and Evidence. <i>Frontiers in Oncology</i> , 2018 , 8, 519	5:3	5
74	Optimal cerebral perfusion pressure via transcranial Doppler in TBI: application of robotic technology. <i>Acta Neurochirurgica</i> , 2018 , 160, 2149-2157	3	15
73	Impaired cerebral compensatory reserve is associated with admission imaging characteristics of diffuse insult in traumatic brain injury. <i>Acta Neurochirurgica</i> , 2018 , 160, 2277-2287	3	14
72	The Role of Intraoperative MRI in Awake Neurosurgical Procedures: A Systematic Review. <i>Frontiers in Oncology</i> , 2018 , 8, 434	5:3	7
71	Cerebral Perfusion Pressure Targets in Traumatic Brain Injury: The "Fuzzy" Spots Above Optimal Cerebral Perfusion Pressure. <i>Canadian Journal of Neurological Sciences</i> , 2018 , 45, 721-722	1	2
70	Application of robotic transcranial Doppler for extended duration recording in moderate/severe traumatic brain injury: first experiences. <i>The Ultrasound Journal</i> , 2018 , 10, 16		30
69	New Optic Nerve Sonography Quality Criteria in the Diagnostic Evaluation of Traumatic Brain Injury. <i>Critical Care Research and Practice</i> , 2018 , 2018, 3589762	1:5	11
68	Burst Suppression for ICP Control. <i>Journal of Intensive Care Medicine</i> , 2017 , 32, 130-139	3:3	5
67	Intravenous immunoglobulins for refractory status epilepticus, part I: A scoping systematic review of the adult literature. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017 , 45, 172-180	3:2	9
66	Response to a letter to the editor "Ultrasound assessment of optic nerve sheath diameter in healthy volunteers". <i>Journal of Critical Care</i> , 2017 , 40, 280	4	
65	The Use of Milrinone in Patients with Delayed Cerebral Ischemia Following Subarachnoid Hemorrhage: A Systematic Review. <i>Canadian Journal of Neurological Sciences</i> , 2017 , 44, 152-160	1	24
64	Continuous Autoregulatory Indices Derived from Multi-Modal Monitoring: Each One Is Not Like the Other. <i>Journal of Neurotrauma</i> , 2017 , 34, 3070-3080	5:4	44
63	Social Determinants of Traumatic Brain Injury in the North American Indigenous Population: A Review. <i>Canadian Journal of Neurological Sciences</i> , 2017 , 44, 525-531	1	7
62	Relationship Between Brain Pulsatility and Cerebral Perfusion Pressure: Replicated Validation Using Different Drivers of CPP Change. <i>Neurocritical Care</i> , 2017 , 27, 392-400	3:3	13

61	Predicting Outcome in Subarachnoid Hemorrhage (SAH) Utilizing the Full Outline of UnResponsiveness (FOUR) Score. <i>Neurocritical Care</i> , 2017 , 27, 381-391	3.3	20
60	A systematic review of cerebral microdialysis and outcomes in TBI: relationships to patient functional outcome, neurophysiologic measures, and tissue outcome. <i>Acta Neurochirurgica</i> , 2017 , 159, 2245-2273	3	36
59	Cerebral autoregulation monitoring in acute traumatic brain injury: what's the evidence?. <i>Minerva Anestesiologica</i> , 2017 , 83, 844-857	1.9	12
58	Pressure Autoregulation Measurement Techniques in Adult Traumatic Brain Injury, Part II: A Scoping Review of Continuous Methods. <i>Journal of Neurotrauma</i> , 2017 , 34, 3224-3237	5.4	44
57	Intravenous Immunoglobulins for Refractory Status Epilepticus: A Scoping Systematic Review of the Pediatric Literature. <i>Journal of Pediatric Neurology</i> , 2017 , 15, 305-315	0.2	
56	Pressure Autoregulation Measurement Techniques in Adult Traumatic Brain Injury, Part I: A Scoping Review of Intermittent/Semi-Intermittent Methods. <i>Journal of Neurotrauma</i> , 2017 , 34, 3207-3223	5.4	26
55	The Impact of Mean Arterial Pressure on Functional Outcome Post-Acute Spinal Cord Injury: A Scoping Systematic Review of Animal Models. <i>Journal of Neurotrauma</i> , 2017 , 34, 2583-2594	5.4	6
54	Serial Sampling of Serum Protein Biomarkers for Monitoring Human Traumatic Brain Injury Dynamics: A Systematic Review. <i>Frontiers in Neurology</i> , 2017 , 8, 300	4.1	112
53	Cerebrospinal Fluid and Microdialysis Cytokines in Severe Traumatic Brain Injury: A Scoping Systematic Review. <i>Frontiers in Neurology</i> , 2017 , 8, 331	4.1	41
52	Monitoring the Neuroinflammatory Response Following Acute Brain Injury. <i>Frontiers in Neurology</i> , 2017 , 8, 351	4.1	66
51	Cerebrospinal Fluid and Microdialysis Cytokines in Aneurysmal Subarachnoid Hemorrhage: A Scoping Systematic Review. <i>Frontiers in Neurology</i> , 2017 , 8, 379	4.1	19
50	A unique method for estimating the reliability learning curve of optic nerve sheath diameter ultrasound measurement. <i>The Ultrasound Journal</i> , 2016 , 8, 9		16
49	Plasmapheresis for refractory status epilepticus Part II: A scoping systematic review of the pediatric literature. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 43, 61-68	3.2	10
48	Estimating the accuracy of optic nerve sheath diameter measurement using a pocket-sized, handheld ultrasound on a simulation model. <i>The Ultrasound Journal</i> , 2016 , 8, 18		11
47	Plasmapheresis for refractory status epilepticus, part I: A scoping systematic review of the adult literature. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 43, 14-22	3.2	10
46	Analgesia in Neurocritical Care: An International Survey and Practice Audit. <i>Critical Care Medicine</i> , 2016 , 44, 973-80	1.4	16
45	Lateral plating of the temporal bone: Hemostatic technique for complex transverse fractures of the petrous temporal bone. <i>Trauma Case Reports</i> , 2016 , 3, 12-17	0.5	
44	Endovascular management of a complex intracranial internal carotid artery dissection in an adolescent. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2016 , 6, 4-7	0.5	

43	Electroconvulsive therapy for refractory status epilepticus: A systematic review. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 35, 23-32	3.2	46
42	Levocarnitine induced seizures in patients on valproic acid: A negative systematic review. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 36, 36-39	3.2	3
41	Ultrasound assessment of optic nerve sheath diameter in healthy volunteers. <i>Journal of Critical Care</i> , 2016 , 31, 168-71	4	51
40	The Cerebrovascular Response to Ketamine: A Systematic Review of the Animal and Human Literature. <i>Journal of Neurosurgical Anesthesiology</i> , 2016 , 28, 123-40	3	21
39	Gamma Knife Radiosurgery for Pediatric Arteriovenous Malformations: A Canadian Experience. <i>Canadian Journal of Neurological Sciences</i> , 2016 , 43, 82-6	1	12
38	Critical Appraisal of the Milwaukee Protocol for Rabies: This Failed Approach Should Be Abandoned. <i>Canadian Journal of Neurological Sciences</i> , 2016 , 43, 44-51	1	32
37	Secondary vein of Galen malformation with hydrocephalus: Treated with combined endovascular and endoscopic approach. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2015 , 2, 164-167	0.5	1
36	Modern inhalational anesthetics for refractory status epilepticus. <i>Canadian Journal of Neurological Sciences</i> , 2015 , 42, 106-15	1	33
35	VNS for refractory status epilepticus. <i>Epilepsy Research</i> , 2015 , 112, 100-13	3	33
34	Thrombin hemostatic matrix leading to acute cerebral edema and sterile fluid collection formation post-tumor resection: two cases. <i>Acta Neurochirurgica</i> , 2015 , 157, 513-6	3	7
33	Vascularized rotational temporal bone flap for repair of anterior skull base defects: a novel operative technique. <i>Journal of Neurosurgery</i> , 2015 , 123, 1312-5	3.2	6
32	Nail-gun Injury through the Spinal Canal. <i>Canadian Journal of Neurological Sciences</i> , 2015 , 42, 203-4	1	2
31	Ketamine for status epilepticus: canadian physician views and time to push forward. <i>Canadian Journal of Neurological Sciences</i> , 2015 , 42, 132-4	1	7
30	Lidocaine for status epilepticus in adults. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015 , 31, 41-8	3.2	14
29	Magnesium sulfate for non-eclamptic status epilepticus. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015 , 32, 100-8	3.2	14
28	Indomethacin for control of ICP. <i>Neurocritical Care</i> , 2015 , 22, 437-49	3.3	7
27	Lidocaine for Status Epilepticus in Pediatrics. <i>Canadian Journal of Neurological Sciences</i> , 2015 , 42, 414-26	1	11
26	Therapeutic Hypothermia for Refractory Status Epilepticus. <i>Canadian Journal of Neurological Sciences</i> , 2015 , 42, 221-9	1	24

25	Early Angiographic Resolution of Cerebral Vasospasm with High Dose Intravenous Milrinone Therapy. <i>Case Reports in Critical Care</i> , 2015 , 2015, 164597	1	6
24	The Impact of Intravenous Lidocaine on ICP in Neurological Illness: A Systematic Review. <i>Critical Care Research and Practice</i> , 2015 , 2015, 485802	1.5	8
23	Early Use of the NMDA Receptor Antagonist Ketamine in Refractory and Superrefractory Status Epilepticus. <i>Critical Care Research and Practice</i> , 2015 , 2015, 831260	1.5	25
22	Transcranial Magnetic Stimulation for Status Epilepticus. <i>Epilepsy Research & Treatment</i> , 2015 , 2015, 678074		33
21	Two Cases of Secondary Hemifacial Spasm: Pathophysiology and Management. <i>Journal of Movement Disorders</i> , 2015 , 8, 103-5	2.9	0
20	NMDA antagonists for refractory seizures. <i>Neurocritical Care</i> , 2014 , 20, 502-13	3.3	57
19	The ketamine effect on ICP in traumatic brain injury. <i>Neurocritical Care</i> , 2014 , 21, 163-73	3.3	156
18	Gamma Knife radiosurgery for sellar and parasellar meningiomas: a multicenter study. <i>Journal of Neurosurgery</i> , 2014 , 120, 1268-77	3.2	60
17	THAM for control of ICP. <i>Neurocritical Care</i> , 2014 , 21, 332-44	3.3	10
16	The ketamine effect on intracranial pressure in nontraumatic neurological illness. <i>Journal of Critical Care</i> , 2014 , 29, 1096-106	4	45
15	Decompressive craniectomy: contralateral lesions and metabolic abnormalities. <i>Canadian Journal of Neurological Sciences</i> , 2014 , 41, 350-6	1	1
14	A Unique Model for ONSD Part II: Inter/Intra-operator Variability. <i>Canadian Journal of Neurological Sciences</i> , 2014 , 41, 430-5	1	16
13	Early Implementation of THAM for ICP Control: Therapeutic Hypothermia Avoidance and Reduction in Hypertonics/Hyperosmotics. <i>Case Reports in Critical Care</i> , 2014 , 2014, 139342	1	4
12	Ketamine for medically refractory status epilepticus after elective aneurysm clipping. <i>Neurocritical Care</i> , 2013 , 19, 119-24	3.3	16
11	A unique model for ultrasound assessment of optic nerve sheath diameter. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 225-9	1	35
10	Gamma knife radiosurgery for large vestibular schwannomas: a Canadian experience. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 342-7	1	19
9	Gamma knife in the treatment of pituitary adenomas: results of a single center. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 546-52	1	15
8	Gamma knife radiosurgery for high grade glial neoplasms: a Canadian experience. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 783-9	1	2

7	Subthalamic nucleus deep brain stimulation: an invaluable role for MER. <i>Canadian Journal of Neurological Sciences</i> , 2013 , 40, 572-5	1	9
6	Novel MRI changes after gamma knife for hypothalamic hamartoma in a child. <i>Canadian Journal of Neurological Sciences</i> , 2012 , 39, 541-3	1	1
5	Lithium induced diabetes insipidus, trauma and the shrunken brain. <i>Canadian Journal of Neurological Sciences</i> , 2012 , 39, 681-2	1	0
4	Decompressive craniectomy in traumatic brain injury: the edge effect. <i>Canadian Journal of Neurological Sciences</i> , 2012 , 39, 652-3	1	0
3	Gamma Knife radiosurgery of cavernous sinus meningiomas: an institutional review. <i>Canadian Journal of Neurological Sciences</i> , 2012 , 39, 757-62	1	16
2	Plaque-type blue nevus with meningeal melanocytomas. <i>Canadian Journal of Neurological Sciences</i> , 2012 , 39, 117-20	1	4
1	Gamma knife for cerebral arteriovenous malformations at a single centre. <i>Canadian Journal of Neurological Sciences</i> , 2011 , 38, 851-7	1	12