David K Menon

List of Publications by Citations

353 papers	20,946 citations	70 h-index	139 g-index
386 ext. papers	26,860 ext. citations	7.5 avg, IF	6.87 L-index

#	Paper	IF	Citations
353	Efficient multi-scale 3D CNN with fully connected CRF for accurate brain lesion segmentation. *Medical Image Analysis*, **2017**, 36, 61-78	15.4	1630
352	Position statement: definition of traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, **2010**, 91, 1637-40	2.8	858
351	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. *Lancet Neurology, The*, **2017**, 16, 987-1048	24.1	851
350	Changing patterns in the epidemiology of traumatic brain injury. *Nature Reviews Neurology*, **2013**, 9, 231-6	15	815
349	Critical care management of patients following aneurysmal subarachnoid hemorrhage: recommendations from the Neurocritical Care Society's Multidisciplinary Consensus Conference. *Neurocritical Care*, **2011**, 15, 211-40	3.3	691
348	Trial of Decompressive Craniectomy for Traumatic Intracranial Hypertension. *New England Journal of Medicine*, **2016**, 375, 1119-30	59.2	631
347	Continuous assessment of the cerebral vasomotor reactivity in head injury. *Neurosurgery*, **1997**, 41, 11-7; discussion 17-9	3.2	591
346	Continuous monitoring of cerebrovascular pressure reactivity allows determination of optimal cerebral perfusion pressure in patients with traumatic brain injury. *Critical Care Medicine*, **2002**, 30, 733-8	1.4	519
345	Effect of Hydrocortisone on Mortality and Organ Support in Patients With Severe COVID-19: The REMAP-CAP COVID-19 Corticosteroid Domain Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2020**, 324, 1317-1329	27.4	386
344	Monitoring of cerebral autoregulation in head-injured patients. *Stroke*, **1996**, 27, 1829-34	6.7	382
343	Continuous determination of optimal cerebral perfusion pressure in traumatic brain injury. *Critical Care Medicine*, **2012**, 40, 2456-63	1.4	348
342	Symptomatology and functional outcome in mild traumatic brain injury: results from the prospective TRACK-TBI study. *Journal of Neurotrauma*, **2014**, 31, 26-33	5.4	336
341	Diffusion limited oxygen delivery following head injury. *Critical Care Medicine*, **2004**, 32, 1384-90	1.4	328
340	Cerebral extracellular chemistry and outcome following traumatic brain injury: a microdialysis study of 223 patients. *Brain*, **2011**, 134, 484-94	11.2	278
339	Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI): a prospective longitudinal observational study. *Neurosurgery*, **2015**, 76, 67-80	3.2	276
338	Effect of hyperventilation on cerebral blood flow in traumatic head injury: clinical relevance and monitoring correlates. *Critical Care Medicine*, **2002**, 30, 1950-9	1.4	263
337	Hyperventilation following head injury: effect on ischemic burden and cerebral oxidative metabolism. *Critical Care Medicine*, **2007**, 35, 568-78	1.4	244

336	Incidence and mechanisms of cerebral ischemia in early clinical head injury. *Journal of Cerebral Blood Flow and Metabolism*, **2004**, 24, 202-11	7.3	241
335	Redefining the functional organization of working memory processes within human lateral prefrontal cortex. *European Journal of Neuroscience*, **1999**, 11, 567-74	3.5	217
334	Default Mode Dynamics for Global Functional Integration. *Journal of Neuroscience*, **2015**, 35, 15254-62	6.6	210
333	The chronic and evolving neurological consequences of traumatic brain injury. *Lancet Neurology, The*, **2017**, 16, 813-825	24.1	207
332	Transforming research and clinical knowledge in traumatic brain injury pilot: multicenter implementation of the common data elements for traumatic brain injury. *Journal of Neurotrauma*, **2013**, 30, 1831-44	5.4	201
331	Consensus statement from the 2014 International Microdialysis Forum. *Intensive Care Medicine*, **2015**, 41, 1517-28	14.5	197
330	Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care : a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. *Intensive Care Medicine*, **2014**, 40, 1189-209	14.5	190
329	A review of paroxysmal sympathetic hyperactivity after acquired brain injury. *Annals of Neurology*, **2010**, 68, 126-35	9.4	184
328	Use of T2-weighted magnetic resonance imaging of the optic nerve sheath to detect raised intracranial pressure. *Critical Care*, **2008**, 12, R114	10.8	181
327	Brain lesions in septic shock: a magnetic resonance imaging study. *Intensive Care Medicine*, **2007**, 33, 798-806	14.5	179
326	The effect of red blood cell transfusion on cerebral oxygenation and metabolism after severe traumatic brain injury. *Critical Care Medicine*, **2009**, 37, 1074-8	1.4	176
325	Effect of hyperoxia on regional oxygenation and metabolism after severe traumatic brain injury: preliminary findings. *Critical Care Medicine*, **2008**, 36, 273-81	1.4	176
324	Severe traumatic brain injury: targeted management in the intensive care unit. *Lancet Neurology, The*, **2017**, 16, 452-464	24.1	165
323	Effect of cerebral perfusion pressure augmentation on regional oxygenation and metabolism after head injury. *Critical Care Medicine*, **2005**, 33, 189-95; discussion 255-7	1.4	161
322	Traumatic Axonal Injury: Mechanisms and Translational Opportunities. *Trends in Neurosciences*, **2016**, 39, 311-324	13.3	160
321	Diffusion tensor imaging for outcome prediction in mild traumatic brain injury: a TRACK-TBI study. *Journal of Neurotrauma*, **2014**, 31, 1457-77	5.4	157
320	Re-orientation of clinical research in traumatic brain injury: report of an international workshop on comparative effectiveness research. *Journal of Neurotrauma*, **2012**, 29, 32-46	5.4	148
319	The human brain utilizes lactate via the tricarboxylic acid cycle: a 13C-labelled microdialysis and high-resolution nuclear magnetic resonance study. *Brain*, **2009**, 132, 2839-49	11.2	146

318	Correlation between cerebral blood flow, substrate delivery, and metabolism in head injury: a combined microdialysis and triple oxygen positron emission tomography study. *Journal of Cerebral Blood Flow and Metabolism*, **2002**, 22, 735-45	7.3	146
317	The pathophysiology and treatment of delayed cerebral ischaemia following subarachnoid haemorrhage. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 1343-53	5.5	143
316	Optimizing sedation in patients with acute brain injury. *Critical Care*, **2016**, 20, 128	10.8	140
315	Case-mix, care pathways, and outcomes in patients with traumatic brain injury in CENTER-TBI: a European prospective, multicentre, longitudinal, cohort study. *Lancet Neurology, The*, **2019**, 18, 923-934	24.1	139
314	Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. *Neurocritical Care*, **2014**, 21 Suppl 2, S1-26	3.3	139
313	Direct comparison of cerebrovascular effects of norepinephrine and dopamine in head-injured patients. *Critical Care Medicine*, **2004**, 32, 1049-54	1.4	127
312	GFAP-BDP as an acute diagnostic marker in traumatic brain injury: results from the prospective transforming research and clinical knowledge in traumatic brain injury study. *Journal of Neurotrauma*, **2013**, 30, 1490-7	5.4	126
311	Paroxysmal sympathetic hyperactivity: the storm after acute brain injury. *Lancet Neurology, The*, **2017**, 16, 721-729	24.1	125
310	A management algorithm for patients with intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). *Intensive Care Medicine*, **2019**, 45, 1783-1794	14.5	124
309	Default mode contributions to automated information processing. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 12821-12826	11.5	123
308	Changes in resting neural connectivity during propofol sedation. *PLoS ONE*, **2010**, 5, e14224	3.7	122
307	Outcome prediction after mild and complicated mild traumatic brain injury: external validation of existing models and identification of new predictors using the TRACK-TBI pilot study. *Journal of Neurotrauma*, **2015**, 32, 83-94	5.4	121
306	Recombinant human interleukin-1 receptor antagonist in severe traumatic brain injury: a phase II randomized control trial. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 845-51	7.3	114
305	Spectral signatures of reorganised brain networks in disorders of consciousness. *PLoS Computational Biology*, **2014**, 10, e1003887	5	114
304	Standardizing data collection in traumatic brain injury. *Journal of Neurotrauma*, **2011**, 28, 177-87	5.4	113
303	Serial Sampling of Serum Protein Biomarkers for Monitoring Human Traumatic Brain Injury Dynamics: A Systematic Review. *Frontiers in Neurology*, **2017**, 8, 300	4.1	112
302	Amyloid imaging with carbon 11-labeled Pittsburgh compound B for traumatic brain injury. *JAMA Neurology*, **2014**, 71, 23-31	17.2	112
301	Ultrasound non-invasive measurement of intracranial pressure in neurointensive care: A prospective observational study. *PLoS Medicine*, **2017**, 14, e1002356	11.6	109

300	Robust whole-brain segmentation: application to traumatic brain injury. *Medical Image Analysis*, **2015**, 21, 40-58	15.4	106
299	The pattern of amyloid accumulation in the brains of adults with Down syndrome. *Alzheimer's and Dementia*, **2016**, 12, 538-45	1.2	101
298	Aetiological differences in neuroanatomy of the vegetative state: insights from diffusion tensor imaging and functional implications. *Journal of Neurology, Neurosurgery and Psychiatry*, **2010**, 81, 552-61	5.5	95
297	Neurological examination of critically ill patients: a pragmatic approach. Report of an ESICM expert panel. *Intensive Care Medicine*, **2014**, 40, 484-95	14.5	92
296	Positron Emission Tomographic Cerebral Perfusion Disturbances and Transcranial Doppler Findings among Patients with Neurological Deterioration after Subarachnoid Hemorrhage. *Neurosurgery*, **2003**, 52, 1017-1024	3.2	91
295	Neuroprotection in acute brain injury: an up-to-date review. *Critical Care*, **2015**, 19, 186	10.8	89
294	Patient-specific thresholds of intracranial pressure in severe traumatic brain injury. *Journal of Neurosurgery*, **2014**, 120, 893-900	3.2	87
293	Consensus statement from the International Consensus Meeting on the Role of Decompressive Craniectomy in the Management of Traumatic Brain Injury : Consensus statement. *Acta Neurochirurgica*, **2019**, 161, 1261-1274	3	82
292	Unique challenges in clinical trials in traumatic brain injury. *Critical Care Medicine*, **2009**, 37, S129-35	1.4	80
291	UK-Wide Surveillance of Neurological and Neuropsychiatric Complications of COVID-19: The First 153 Patients. *SSRN Electronic Journal*,	1	78
290	The impact of previous traumatic brain injury on health and functioning: a TRACK-TBI study. *Journal of Neurotrauma*, **2013**, 30, 2014-20	5.4	77
289	Pathophysiologic Mechanisms of Cerebral Ischemia and Diffusion Hypoxia in Traumatic Brain Injury. *JAMA Neurology*, **2016**, 73, 542-50	17.2	76
288	Paroxysmal sympathetic hyperactivity after acquired brain injury: a review of diagnostic criteria. *Brain Injury*, **2011**, 25, 925-32	2.1	75
287	A management algorithm for adult patients with both brain oxygen and intracranial pressure monitoring: the Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). *Intensive Care Medicine*, **2020**, 46, 919-929	14.5	74
286	A State-of-the-Science Overview of Randomized Controlled Trials Evaluating Acute Management of Moderate-to-Severe Traumatic Brain Injury. *Journal of Neurotrauma*, **2016**, 33, 1461-78	5.4	74
285	Consciousness-specific dynamic interactions of brain integration and functional diversity. *Nature Communications*, **2019**, 10, 4616	17.4	72
284	Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. *Intensive Care Medicine*, **2018**, 44, 449-463	14.5	70
283	Decompressive craniectomy following traumatic brain injury: developing the evidence base. *British Journal of Neurosurgery*, **2016**, 30, 246-50	1	69

282	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. *Neurobiology of Aging*, **2017**, 56, 41-49	5.6	68
281	Glial Fibrillary Acidic Protein and Ubiquitin C-Terminal Hydrolase-L1 as Outcome Predictors in Traumatic Brain Injury. *World Neurosurgery*, **2016**, 87, 8-20	2.1	67
280	Monitoring the Neuroinflammatory Response Following Acute Brain Injury. *Frontiers in Neurology*, **2017**, 8, 351	4.1	66
279	Cerebral Perfusion Pressure Targets Individualized to Pressure-Reactivity Index in Moderate to Severe Traumatic Brain Injury: A Systematic Review. *Journal of Neurotrauma*, **2017**, 34, 963-970	5.4	65
278	Interaction between brain chemistry and physiology after traumatic brain injury: impact of autoregulation and microdialysis catheter location. *Journal of Neurotrauma*, **2011**, 28, 849-60	5.4	64
277	Human Serum Metabolites Associate With Severity and Patient Outcomes in Traumatic Brain Injury. *EBioMedicine*, **2016**, 12, 118-126	8.8	61
276	Recombinant human interleukin-1 receptor antagonist promotes M1 microglia biased cytokines and chemokines following human traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1434-48	7.3	61
275	Glycolysis and the pentose phosphate pathway after human traumatic brain injury: microdialysis studies using 1,2-(13)C2 glucose. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 111-20	7.3	59
274	Rest-Activity Cycle Disturbances in the Acute Phase of Moderate to Severe Traumatic Brain Injury. *Neurorehabilitation and Neural Repair*, **2014**, 28, 472-82	4.7	59
273	Glucose metabolism following human traumatic brain injury: methods of assessment and pathophysiological findings. *Metabolic Brain Disease*, **2015**, 30, 615-32	3.9	58
272	Blood biomarkers on admission in acute traumatic brain injury: Relations to severity, CT findings and care path in the CENTER-TBI study. *EBioMedicine*, **2020**, 56, 102785	8.8	58
271	Variation in monitoring and treatment policies for intracranial hypertension in traumatic brain injury: a survey in 66 neurotrauma centers participating in the CENTER-TBI study. *Critical Care*, **2017** , 21, 233	10.8	58
270	The International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: a list of recommendations and additional conclusions: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. *Neurocritical Care*, **2014**, 21 Suppl 2, S282-96	3.3	54
269	Plasma Anti-Glial Fibrillary Acidic Protein Autoantibody Levels during the Acute and Chronic Phases of Traumatic Brain Injury: A Transforming Research and Clinical Knowledge in Traumatic Brain Injury Pilot Study. *Journal of Neurotrauma*, **2016**, 33, 1270-7	5.4	53
268	The International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care: evidentiary tables: a statement for healthcare professionals from the Neurocritical Care Society and the European Society of Intensive Care Medicine. *Neurocritical Care*, **2014**, 21 Suppl 2, S297-361	3.3	53
267	Twenty-Five Years of Intracranial Pressure Monitoring After Severe Traumatic Brain Injury: A Retrospective, Single-Center Analysis. *Neurosurgery*, **2019**, 85, E75-E82	3.2	53
266	Blood-Based Protein Biomarkers for the Management of Traumatic Brain Injuries in Adults Presenting to Emergency Departments with Mild Brain Injury: A Living Systematic Review and Meta-Analysis. *Journal of Neurotrauma*, **2021**, 38, 1086-1106	5.4	53
265	Critical Thresholds of Intracranial Pressure-Derived Continuous Cerebrovascular Reactivity Indices for Outcome Prediction in Noncraniectomized Patients with Traumatic Brain Injury. *Journal of Neurotrauma*, **2018**, 35, 1107-1115	5.4	53

264	Magnetic resonance imaging and positron emission tomography in anti-NMDA receptor encephalitis: A systematic review. *Journal of Clinical Neuroscience*, **2018**, 52, 54-59	2.2	50
263	Lactate uptake by the injured human brain: evidence from an arteriovenous gradient and cerebral microdialysis study. *Journal of Neurotrauma*, **2013**, 30, 2031-7	5.4	50
262	Glial Fibrillary Acidic Protein and Ubiquitin C-Terminal Hydrolase-L1 Are Not Specific Biomarkers for Mild CT-Negative Traumatic Brain Injury. *Journal of Neurotrauma*, **2017**,	5.4	50
261	A combined microdialysis and FDG-PET study of glucose metabolism in head injury. *Acta Neurochirurgica*, **2009**, 151, 51-61; discussion 61	3	50
260	Traumatic brain injury in 2014. Progress, failures and new approaches for TBI research. *Nature Reviews Neurology*, **2015**, 11, 71-2	15	49
259	Induction of a transmissible tau pathology by traumatic brain injury. *Brain*, **2018**, 141, 2685-2699	11.2	49
258	Matrix Metalloproteinase Expression in Contusional Traumatic Brain Injury: A Paired Microdialysis Study. *Journal of Neurotrauma*, **2015**, 32, 1553-9	5.4	48
257	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	1.4	48
256	Dynamic Changes in White Matter Abnormalities Correlate With Late Improvement and Deterioration Following TBI: A Diffusion Tensor Imaging Study. *Neurorehabilitation and Neural Repair*, **2016**, 30, 49-62	4.7	45
255	Continuous Autoregulatory Indices Derived from Multi-Modal Monitoring: Each One Is Not Like the Other. *Journal of Neurotrauma*, **2017**, 34, 3070-3080	5.4	44
254	Temporal profile of intracranial pressure and cerebrovascular reactivity in severe traumatic brain injury and association with fatal outcome: An observational study. *PLoS Medicine*, **2017**, 14, e1002353	11.6	44
253	(13)C-labelled microdialysis studies of cerebral metabolism in TBI patients. *European Journal of Pharmaceutical Sciences*, **2014**, 57, 87-97	5.1	44
252	The screening and management of pituitary dysfunction following traumatic brain injury in adults: British Neurotrauma Group guidance. *Journal of Neurology, Neurosurgery and Psychiatry*, **2017**, 88, 971-981	5.5	44
251	Pressure Autoregulation Measurement Techniques in Adult Traumatic Brain Injury, Part II: A Scoping Review of Continuous Methods. *Journal of Neurotrauma*, **2017**, 34, 3224-3237	5.4	44
250	Autonomic Impairment in Severe Traumatic Brain Injury: A Multimodal Neuromonitoring Study. *Critical Care Medicine*, **2016**, 44, 1173-81	1.4	44
249	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, 120-5	4	41
248	Cerebrospinal Fluid and Microdialysis Cytokines in Severe Traumatic Brain Injury: A Scoping Systematic Review. *Frontiers in Neurology*, **2017**, 8, 331	4.1	41
247	Prediction of outcome in severe traumatic brain injury. *Current Opinion in Critical Care*, **2009**, 15, 437-41	3.5	41

246	Systemic, local, and imaging biomarkers of brain injury: more needed, and better use of those already established?. *Frontiers in Neurology*, **2015**, 6, 26	4.1	40
245	Variation in Structure and Process of Care in Traumatic Brain Injury: Provider Profiles of European Neurotrauma Centers Participating in the CENTER-TBI Study. *PLoS ONE*, **2016**, 11, e0161367	3.7	40
244	Early derangements in oxygen and glucose metabolism following head injury: the ischemic penumbra and pathophysiological heterogeneity. *Neurocritical Care*, **2008**, 9, 319-25	3.3	39
243	Management of Mild Traumatic Brain Injury at the Emergency Department and Hospital Admission in Europe: A Survey of 71 Neurotrauma Centers Participating in the CENTER-TBI Study. *Journal of Neurotrauma*, **2017**, 34, 2529-2535	5.4	38
242	Univariate comparison of performance of different cerebrovascular reactivity indices for outcome association in adult TBI: a CENTER-TBI study. *Acta Neurochirurgica*, **2019**, 161, 1217-1227	3	37
241	Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2021**, 326, 1690-1702	27.4	37
240	A systematic review of cerebral microdialysis and outcomes in TBI: relationships to patient functional outcome, neurophysiologic measures, and tissue outcome. *Acta Neurochirurgica*, **2017**, 159, 2245-2273	3	36
239	Focally perfused succinate potentiates brain metabolism in head injury patients. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2626-2638	7.3	36
238	Neural correlates of successful semantic processing during propofol sedation. *Human Brain Mapping*, **2014**, 35, 2935-49	5.9	36
237	Multiclass semantic segmentation and quantification of traumatic brain injury lesions on head CT using deep learning: an algorithm development and multicentre validation study. *The Lancet Digital Health*, **2020**, 2, e314-e322	14.4	35
236	Variation in general supportive and preventive intensive care management of traumatic brain injury: a survey in 66 neurotrauma centers participating in the Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. *Critical Care*, **2018**, 22, 90	10.8	34
235	Primum non nocere: a call for balance when reporting on CTE. *Lancet Neurology, The*, **2019**, 18, 231-233	24.1	34
234	The Down syndrome brain in the presence and absence of fibrillar β-amyloidosis. *Neurobiology of Aging*, **2017**, 53, 11-19	5.6	33
233	Global Consortium Study of Neurological Dysfunction in COVID-19 (GCS-NeuroCOVID): Study Design and Rationale. *Neurocritical Care*, **2020**, 33, 25-34	3.3	33
232	Brain ischaemia after traumatic brain injury: lessons from 15O2 positron emission tomography. *Current Opinion in Critical Care*, **2006**, 12, 85-9	3.5	32
231	LSD alters dynamic integration and segregation in the human brain. *NeuroImage*, **2021**, 227, 117653	7.9	32
230	The Effect of Red Blood Cell Transfusion on Cerebral Autoregulation in Patients with Severe Traumatic Brain Injury. *Neurocritical Care*, **2015**, 23, 210-6	3.3	31
229	Cognitive Flexibility: A Default Network and Basal Ganglia Connectivity Perspective. *Brain Connectivity*, **2016**, 6, 201-7	2.7	31

228	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. *Journal of Neurotrauma*, **2019**, 36, 1505-1517	5.4	31
227	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. *Journal of Neurotrauma*, **2018**, 35, 963-974	5.4	31
226	Glycaemic control targets after traumatic brain injury: a systematic review and meta-analysis. *Critical Care*, **2018**, 22, 11	10.8	29
225	Variation in neurosurgical management of traumatic brain injury: a survey in 68 centers participating in the CENTER-TBI study. *Acta Neurochirurgica*, **2019**, 161, 435-449	3	29
224	Cerebrovascular reactivity is not associated with therapeutic intensity in adult traumatic brain injury: a CENTER-TBI analysis. *Acta Neurochirurgica*, **2019**, 161, 1955-1964	3	28
223	Transcranial Doppler Systolic Flow Index and ICP-Derived Cerebrovascular Reactivity Indices in Traumatic Brain Injury. *Journal of Neurotrauma*, **2018**, 35, 314-322	5.4	27
222	Traumatic brain injury: rethinking ideas and approaches. *Lancet Neurology, The*, **2012**, 11, 12-3	24.1	27
221	Correlation of Blood Biomarkers and Biomarker Panels with Traumatic Findings on Computed Tomography after Traumatic Brain Injury. *Journal of Neurotrauma*, **2019**, 36, 2178-2189	5.4	27
220	Continuous cerebrovascular reactivity monitoring in moderate/severe traumatic brain injury: a narrative review of advances in neurocritical care. *British Journal of Anaesthesia*, **2020**,	5.4	26
219	Clinical and Physiological Events That Contribute to the Success Rate of Finding "Optimal" Cerebral Perfusion Pressure in Severe Brain Trauma Patients. *Critical Care Medicine*, **2015**, 43, 1952-63	1.4	26
218	Early Levels of Glial Fibrillary Acidic Protein and Neurofilament Light Protein in Predicting the Outcome of Mild Traumatic Brain Injury. *Journal of Neurotrauma*, **2019**, 36, 1551-1560	5.4	26
217	Apolipoprotein E4 Polymorphism and Outcomes from Traumatic Brain Injury: A Living Systematic Review and Meta-Analysis. *Journal of Neurotrauma*, **2021**, 38, 1124-1136	5.4	26
216	Parallel recovery of consciousness and sleep in acute traumatic brain injury. *Neurology*, **2017**, 88, 268-275	6.5	25
215	Early metabolic characteristics of lesion and nonlesion tissue after head injury. *Journal of Cerebral Blood Flow and Metabolism*, **2009**, 29, 965-75	7.3	25
214	Association between Cerebrovascular Reactivity Monitoring and Mortality Is Preserved When Adjusting for Baseline Admission Characteristics in Adult Traumatic Brain Injury: A CENTER-TBI Study. *Journal of Neurotrauma*, **2020**, 37, 1233-1241	5.4	25
213	Patient-specific ICP Epidemiologic Thresholds in Adult Traumatic Brain Injury: A CENTER-TBI Validation Study. *Journal of Neurosurgical Anesthesiology*, **2021**, 33, 28-38	3	25
212	Spatial and Temporal Pattern of Ischemia and Abnormal Vascular Function Following Traumatic Brain Injury. *JAMA Neurology*, **2020**, 77, 339-349	17.2	24
211	Genetic Influences on Patient-Oriented Outcomes in Traumatic Brain Injury: A Living Systematic Review of Non-Apolipoprotein E Single-Nucleotide Polymorphisms. *Journal of Neurotrauma*, **2021**, 38, 1107-1123	5.4	24

210	Reliability and Validity of the Therapy Intensity Level Scale: Analysis of Clinimetric Properties of a Novel Approach to Assess Management of Intracranial Pressure in Traumatic Brain Injury. *Journal of Neurotrauma*, **2016**, 33, 1768-1774	5.4	23
209	Serotonergic psychedelics LSD & psilocybin increase the fractal dimension of cortical brain activity in spatial and temporal domains. *NeuroImage*, **2020**, 220, 117049	7.9	22
208	Factoring the brain signatures of anesthesia concentration and level of arousal across individuals. *NeuroImage: Clinical*, **2015**, 9, 385-91	5.3	21
207	Consciousness & Brain Functional Complexity in Propofol Anaesthesia. *Scientific Reports*, **2020**, 10, 1018	4.9	21
206	Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. *Critical Care Medicine*, **2020**, 48, 378-384	1.4	21
205	Mononeuritis multiplex: an unexpectedly frequent feature of severe COVID-19. *Journal of Neurology*, **2021**, 268, 2685-2689	5.5	21
204	Genetic drivers of cerebral blood flow dysfunction in TBI: a speculative synthesis. *Nature Reviews Neurology*, **2019**, 15, 25-39	15	21
203	Handling of Missing Outcome Data in Traumatic Brain Injury Research: A Systematic Review. *Journal of Neurotrauma*, **2019**, 36, 2743-2752	5.4	20
202	Increased blood glucose is related to disturbed cerebrovascular pressure reactivity after traumatic brain injury. *Neurocritical Care*, **2015**, 22, 20-5	3.3	20
201	Sleep in the Acute Phase of Severe Traumatic Brain Injury: A Snapshot of Polysomnography. *Neurorehabilitation and Neural Repair*, **2016**, 30, 713-21	4.7	20
200	Critical Care and the Brain. *JAMA - Journal of the American Medical Association*, **2016**, 315, 749-50	27.4	20
199	Working Memory after Traumatic Brain Injury: The Neural Basis of Improved Performance with Methylphenidate. *Frontiers in Behavioral Neuroscience*, **2017**, 11, 58	3.5	20
198	Integrated image analysis solutions for PET datasets in damaged brain. *Journal of Clinical Monitoring and Computing*, **2002**, 17, 427-40	2	20
197	Incidence of pituitary dysfunction following traumatic brain injury: A prospective study from a regional neurosurgical centre. *British Journal of Neurosurgery*, **2016**, 30, 302-6	1	19
196	Adjusting for confounding by indication in observational studies: a case study in traumatic brain injury. *Clinical Epidemiology*, **2018**, 10, 841-852	5.9	19
195	Use of diffusion tensor imaging to assess the impact of normobaric hyperoxia within at-risk pericontusional tissue after traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 1622-7	7.3	19
194	Cerebrospinal Fluid and Microdialysis Cytokines in Aneurysmal Subarachnoid Hemorrhage: A Scoping Systematic Review. *Frontiers in Neurology*, **2017**, 8, 379	4.1	19
193	Measurement invariance of assessments of depression (PHQ-9) and anxiety (GAD-7) across sex, strata and linguistic backgrounds in a European-wide sample of patients after Traumatic Brain Injury. *Journal of Affective Disorders*, **2020**, 262, 278-285	6.6	19

192	A Comparison of Oxidative Lactate Metabolism in Traumatically Injured Brain and Control Brain. *Journal of Neurotrauma*, **2018**, 35, 2025-2035	5.4	18
191	Default Mode Network Engagement Beyond Self-Referential Internal Mentation. *Brain Connectivity* , **2018**, 8, 245-253	2.7	18
190	Spectrum of outcomes following traumatic brain injury-relationship between functional impairment and health-related quality of life. *Acta Neurochirurgica*, **2018**, 160, 107-115	3	18
189	Clinical prevalence and outcome impact of pituitary dysfunction after aneurysmal subarachnoid hemorrhage: a systematic review with meta-analysis. *Pituitary*, **2016**, 19, 522-35	4.3	18
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