

Marek Czosnyka

List of Publications by Year in descending order

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Version: 2024-02-01

614
papers

32,735
citations

3919

88
h-index

7718

150
g-index

624
all docs

624
docs citations

624
times ranked

12830
citing authors

#	ARTICLE	IF	CITATIONS
1	Is Lumbar Puncture Needed? â€“ Noninvasive Assessment of ICP Facilitates Decision Making in Patients with Suspected Idiopathic Intracranial Hypertension. <i>Ultraschall in Der Medizin</i> , 2023, 44, e91-e98.	0.8	2
2	Modeling Brainâ€™Heart Crosstalk Information in Patients with Traumatic Brain Injury. <i>Neurocritical Care</i> , 2022, 36, 738-750.	1.2	7
3	Neurocritical Care Monitoring in ICU: Measurement of the Cerebral Autoregulation by Transcranial Doppler (TCD). , 2022, , 291-297.		0
4	Technical considerations on the use of Granger causality in neuromonitoring. <i>Brain Multiphysics</i> , 2022, 3, 100044.	0.8	1
5	Feasibility of non-invasive neuromonitoring in general intensive care patients using a multi-parameter transcranial Doppler approach. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1805-1815.	0.7	1
6	Prolonged Automated Robotic TCD Monitoring in Acute Severe TBI: Study Design and Rationale. <i>Neurocritical Care</i> , 2022, , 1.	1.2	3
7	Clinical determinants of cerebrovascular reactivity in very preterm infants during the transitional period. <i>Pediatric Research</i> , 2022, 92, 135-141.	1.1	5
8	Hydrocephalus and the neuro-intensivist: CSF hydrodynamics at the bedside. <i>Intensive Care Medicine Experimental</i> , 2022, 10, .	0.9	3
9	Comparison of different metrics of cerebral autoregulation in association with major morbidity and mortality after cardiac surgery. <i>British Journal of Anaesthesia</i> , 2022, 129, 22-32.	1.5	6
10	Monitoring of cerebrovascular pressure reactivity in children may predict neurologic outcome after hypoxic-ischemic brain injury. <i>Child's Nervous System</i> , 2022, 38, 1717-1726.	0.6	2
11	Inducing oscillations in positive end-expiratory pressure improves assessment of cerebrovascular pressure reactivity in patients with traumatic brain injury. <i>Journal of Applied Physiology</i> , 2022, 133, 585-592.	1.2	4
12	Association Between Physiologic Signal Complexity and Outcomes in Moderate and Severe Traumatic Brain Injury: A CENTER-TBI Exploratory Analysis of Multiscale Entropy. <i>Journal of Neurotrauma</i> , 2021, 38, 272-282.	1.7	16
13	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.	0.7	14
14	Visualising the pressure-time burden of elevated intracranial pressure after severe traumatic brain injury: a retrospective confirmatory study. <i>British Journal of Anaesthesia</i> , 2021, 126, e15-e17.	1.5	14
15	Continuous Monitoring of Cerebral Autoregulation in Children Supported by Extracorporeal Membrane Oxygenation: A Pilot Study. <i>Neurocritical Care</i> , 2021, 34, 935-945.	1.2	26
16	Autonomic Nervous System Activity during Refractory Rise in Intracranial Pressure. <i>Journal of Neurotrauma</i> , 2021, 38, 1662-1669.	1.7	6
17	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.	1.7	13
18	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.	0.6	47

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19	Lower Breakpoint of Intracranial Amplitude-Pressure Relationship in Normal Pressure Hydrocephalus. Acta Neurochirurgica Supplementum, 2021, 131, 307-309.	0.5	1
20	Errors and Consequences of Inaccurate Estimation of Mean Blood Flow Velocity in Cerebral Arteries. Acta Neurochirurgica Supplementum, 2021, 131, 23-25.	0.5	0
21	Patient's Clinical Presentation and CPPopt Availability: Any Association?. Acta Neurochirurgica Supplementum, 2021, 131, 167-172.	0.5	2
22	Cerebrovascular Impedance During Hemodynamic Change in Rabbits: A Pilot Study. Acta Neurochirurgica Supplementum, 2021, 131, 283-288.	0.5	0
23	The Role of Cerebrospinal Fluid Dynamics in Normal Pressure Hydrocephalus Diagnosis and Shunt Prognostication. Acta Neurochirurgica Supplementum, 2021, 131, 359-363.	0.5	2
24	Global Cerebral Autoregulation, Resistance to Cerebrospinal Fluid Outflow and Cerebrovascular Burden in Normal Pressure Hydrocephalus. Acta Neurochirurgica Supplementum, 2021, 131, 349-353.	0.5	0
25	Single Center Experience in Cerebrospinal Fluid Dynamics Testing. Acta Neurochirurgica Supplementum, 2021, 131, 311-313.	0.5	1
26	Noninvasive Intracranial Pressure Assessment in Patients with Suspected Idiopathic Intracranial Hypertension. Acta Neurochirurgica Supplementum, 2021, 131, 325-327.	0.5	3
27	Comparison of Two Intracranial Pressure Calculation Methods and Their Effects on the Mean Intracranial Pressure and Intracranial Pressure Dose. Acta Neurochirurgica Supplementum, 2021, 131, 31-33.	0.5	1
28	Brain Multimodal Monitoring in Severe Acute Brain Injury: Is It Relevant to Patient Outcome and Mortality?. Acta Neurochirurgica Supplementum, 2021, 131, 83-86.	0.5	5
29	Optimal Cerebral Perfusion Pressure Assessed with a Multi-Window Weighted Approach Adapted for Prospective Use: A Validation Study. Acta Neurochirurgica Supplementum, 2021, 131, 181-185.	0.5	7
30	Cerebrovascular Consequences of Elevated Intracranial Pressure After Traumatic Brain Injury. Acta Neurochirurgica Supplementum, 2021, 131, 43-48.	0.5	6
31	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 131-134.	0.5	2
32	Lower Limit of Reactivity Assessed with PRx in an Experimental Setting. Acta Neurochirurgica Supplementum, 2021, 131, 275-278.	0.5	9
33	Analysis of Intracranial Pressure Pulse's Pressure Relationship: Experimental Validation. Acta Neurochirurgica Supplementum, 2021, 131, 279-282.	0.5	1
34	DeepClean: Self-Supervised Artefact Rejection for Intensive Care Waveform Data Using Deep Generative Learning. Acta Neurochirurgica Supplementum, 2021, 131, 235-241.	0.5	4
35	An Update on the COGiTATE Phase II Study: Feasibility and Safety of Targeting an Optimal Cerebral Perfusion Pressure as a Patient-Tailored Therapy in Severe Traumatic Brain Injury. Acta Neurochirurgica Supplementum, 2021, 131, 143-147.	0.5	12
36	Spectral Cerebral Blood Volume Accounting for Noninvasive Estimation of Changes in Cerebral Perfusion Pressure in Patients with Traumatic Brain Injury. Acta Neurochirurgica Supplementum, 2021, 131, 193-199.	0.5	1

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37	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.	0.5	2
38	Variability of the Optic Nerve Sheath Diameter on the Basis of Sex and Age in a Cohort of Healthy Volunteers. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 121-124.	0.5	7
39	Methodological Consideration on Monitoring Refractory Intracranial Hypertension and Autonomic Nervous System Activity. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 211-215.	0.5	1
40	Delay of cerebral autoregulation in traumatic brain injury patients. <i>Clinical Neurology and Neurosurgery</i> , 2021, 202, 106478.	0.6	3
41	Association of transcranial Doppler blood flow velocity slow waves with delayed cerebral ischemia in patients suffering from subarachnoid hemorrhage: a retrospective study. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 11.	0.9	6
42	Impact of Arterial Carbon Dioxide and Oxygen Content on Cerebral Autoregulation Monitoring Among Children Supported by ECMO. <i>Neurocritical Care</i> , 2021, 35, 480-490.	1.2	7
43	Reference values for intracranial pressure and lumbar cerebrospinal fluid pressure: a systematic review. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 19.	2.4	28
44	CSF Dynamics for Shunt Prognostication and Revision in Normal Pressure Hydrocephalus. <i>Journal of Clinical Medicine</i> , 2021, 10, 1711.	1.0	3
45	Compliance of the cerebrospinal space: comparison of three methods. <i>Acta Neurochirurgica</i> , 2021, 163, 1979-1989.	0.9	27
46	817â€ŒRobotic Semi-Automated Transcranial Doppler Assessment of Cerebrovascular Autoregulation in Post Concussional Syndrome: Methodological Considerations. <i>British Journal of Surgery</i> , 2021, 108, .	0.1	0
47	Early Effects of Passive Leg-Raising Test, Fluid Challenge, and Norepinephrine on Cerebral Autoregulation and Oxygenation in COVID-19 Critically Ill Patients. <i>Frontiers in Neurology</i> , 2021, 12, 674466.	1.1	12
48	Brain Temperature Influences Intracranial Pressure and Cerebral Perfusion Pressure After Traumatic Brain Injury: A CENTER-TBI Study. <i>Neurocritical Care</i> , 2021, 35, 651-661.	1.2	15
49	Change in Blood Flow Velocity Pulse Waveform during Plateau Waves of Intracranial Pressure. <i>Brain Sciences</i> , 2021, 11, 1000.	1.1	3
50	Monitoring cerebrovascular reactivity in pediatric traumatic brain injury: comparison of three methods. <i>Child's Nervous System</i> , 2021, 37, 3057-3065.	0.6	5
51	Targeting Autoregulation-Guided Cerebral Perfusion Pressure after Traumatic Brain Injury (COGITATE): A Feasibility Randomized Controlled Clinical Trial. <i>Journal of Neurotrauma</i> , 2021, 38, 2790-2800.	1.7	88
52	Intracranial pulse pressure waveform analysis using the higher harmonics centroid. <i>Acta Neurochirurgica</i> , 2021, 163, 3249-3258.	0.9	3
53	Midline shift in patients with closed traumatic brain injury may be driven by cerebral perfusion pressure not intracranial pressure. <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 383-390.	0.3	5
54	External Hydrocephalus After Traumatic Brain Injury: Retrospective Study of 102 Patients. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 35-38.	0.5	3

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55	Comparison of Assessment for Shunting with Infusion Studies Versus Extended Lumbar Drainage in Suspected Normal Pressure Hydrocephalus. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 355-358.	0.5	0
56	Differences in Cerebrospinal Fluid Dynamics in Posttraumatic Hydrocephalus Versus Atrophy, Including Effect of Decompression and Cranioplasty. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 343-347.	0.5	2
57	Usability of Noninvasive Counterparts of Traditional Autoregulation Indices in Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 163-166.	0.5	0
58	Analysis of Cardio-Cerebral Crosstalk Events in an Adult Cohort from the CENTER-TBI Study. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 39-42.	0.5	2
59	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.	0.5	2
60	Determining Thresholds for Three Indices of Autoregulation to Identify the Lower Limit of Autoregulation During Cardiac Surgery*. <i>Critical Care Medicine</i> , 2021, 49, 650-660.	0.4	20
61	Causal relationship between slow waves of arterial, intracranial pressures and blood velocity in brain. <i>Computers in Biology and Medicine</i> , 2021, 139, 104970.	3.9	10
62	Analysis of relative changes in pulse shapes of intracranial pressure and cerebral blood flow velocity. <i>Physiological Measurement</i> , 2021, 42, 125004.	1.2	8
63	Cerebral Autoregulation in Non-Brain Injured Patients: A Systematic Review. <i>Frontiers in Neurology</i> , 2021, 12, 732176.	1.1	11
64	Mathematical Modelling in Hydrocephalus. <i>Neurology India</i> , 2021, 69, 275.	0.2	1
65	Relationship Between Baroreflex and Cerebral Autoregulation in Patients With Cerebral Vasospasm After Aneurysmal Subarachnoid Hemorrhage. <i>Frontiers in Neurology</i> , 2021, 12, 740338.	1.1	2
66	Characterising the dynamics of cerebral metabolic dysfunction following traumatic brain injury: A microdialysis study in 619 patients. <i>PLoS ONE</i> , 2021, 16, e0260291.	1.1	23
67	The Use of Different Components of Brain Oxygenation for the Assessment of Cerebral Haemodynamics: A Prospective Observational Study on COVID-19 Patients. <i>Frontiers in Neurology</i> , 2021, 12, 735469.	1.1	5
68	Dynamic cerebral autoregulation estimates derived from near infrared spectroscopy and transcranial Doppler are similar after correction for transit time and blood flow and blood volume oscillations. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 135-149.	2.4	19
69	Observations on the Cerebral Effects of Refractory Intracranial Hypertension After Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2020, 32, 437-447.	1.2	18
70	Ultrasound non-invasive intracranial pressure assessment in paediatric neurocritical care: a pilot study. <i>Child's Nervous System</i> , 2020, 36, 117-124.	0.6	18
71	Hypocapnia after traumatic brain injury: how does it affect the time constant of the cerebral circulation?. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 461-468.	0.7	7
72	Optic nerve sheath diameter ultrasonography at admission as a predictor of intracranial hypertension in traumatic brain injured patients: a prospective observational study. <i>Journal of Neurosurgery</i> , 2020, 132, 1279-1285.	0.9	30

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73	Value of computerized shunt infusion study in assessment of pediatric hydrocephalus shunt function—a two center cross-sectional study. <i>Child's Nervous System</i> , 2020, 36, 59-71.	0.6	9
74	Transcranial Doppler as a non-invasive method to estimate cerebral perfusion pressure in children with severe traumatic brain injury. <i>Child's Nervous System</i> , 2020, 36, 125-131.	0.6	15
75	Burden of hypoxia and intraventricular haemorrhage in extremely preterm infants. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 242-247.	1.4	13
76	Cerebrospinal fluid dynamics in pediatric pseudotumor cerebri syndrome. <i>Child's Nervous System</i> , 2020, 36, 73-86.	0.6	8
77	The relationship between the time of cerebral desaturation episodes and outcome in aneurysmal subarachnoid haemorrhage: a preliminary study. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 705-714.	0.7	8
78	Coupling of CSF and sagittal sinus pressure in adult patients with pseudotumour cerebri. <i>Acta Neurochirurgica</i> , 2020, 162, 1001-1009.	0.9	17
79	Influence of mild-moderate hypocapnia on intracranial pressure slow waves activity in TBI. <i>Acta Neurochirurgica</i> , 2020, 162, 345-356.	0.9	6
80	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.	1.2	21
81	Noninvasive Intracranial Pressure Estimation With Transcranial Doppler: A Prospective Observational Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 349-353.	0.6	26
82	Signal Information Prediction of Mortality Identifies Unique Patient Subsets after Severe Traumatic Brain Injury: A Decision-Tree Analysis Approach. <i>Journal of Neurotrauma</i> , 2020, 37, 1011-1019.	1.7	12
83	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.	1.7	50
84	Validation of non-invasive cerebrovascular pressure reactivity and pulse amplitude reactivity indices in traumatic brain injury. <i>Acta Neurochirurgica</i> , 2020, 162, 337-344.	0.9	5
85	Cambios metabólicos corticales y resultado clínico en la hidrocefalia normotensiva después de la derivación ventrículo-peritoneal: nuestros resultados preliminares. <i>Revista Española De Medicina Nuclear E Imagen Molecular</i> , 2020, 39, 367-374.	0.0	3
86	Effects of Age and Sex on Optic Nerve Sheath Diameter in Healthy Volunteers and Patients With Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020, 11, 764.	1.1	11
87	Introducing brain-heart crosstalks information in clinical decision support systems for TBI patients, through ICM+. , 2020, , .		0
88	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.	1.4	12
89	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.	0.9	13
90	Transcranial Doppler-derived indices of cerebrovascular haemodynamics are independent of depth and angle of insonation. <i>Journal of Clinical Neuroscience</i> , 2020, 82, 115-121.	0.8	3

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91	Low-resolution pressure reactivity index and its derived optimal cerebral perfusion pressure in adult traumatic brain injury: a CENTER-TBI study. <i>Critical Care</i> , 2020, 24, 266.	2.5	20
92	A comparison of the time constant of the cerebral arterial bed using invasive and non-invasive arterial blood pressure measurements. <i>Physiological Measurement</i> , 2020, 41, 075001.	1.2	1
93	Origin of intracranial pressure pulse waveform. <i>Acta Neurochirurgica</i> , 2020, 162, 1815-1817.	0.9	27
94	Assessment of cerebral autoregulation indices – a modelling perspective. <i>Scientific Reports</i> , 2020, 10, 9600.	1.6	19
95	Critical closing pressure during experimental intracranial hypertension: comparison of three calculation methods. <i>Neurological Research</i> , 2020, 42, 387-397.	0.6	3
96	Treatment targets based on autoregulation parameters in neurocritical care patients. <i>Current Opinion in Critical Care</i> , 2020, 26, 109-114.	1.6	17
97	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.	1.7	17
98	Predictive and Discriminative Power of Pressure Reactivity Indices in Traumatic Brain Injury. <i>Neurosurgery</i> , 2020, 87, 655-663.	0.6	17
99	Impacts of Microgravity Analogs to Spaceflight on Cerebral Autoregulation. <i>Frontiers in Physiology</i> , 2020, 11, 778.	1.3	27
100	Cardiovascular and cerebrovascular responses to cardiorespiratory events in preterm infants during the transitional period. <i>Journal of Physiology</i> , 2020, 598, 4107-4119.	1.3	6
101	Shunt infusion studies: impact on patient outcome, including health economics. <i>Acta Neurochirurgica</i> , 2020, 162, 1019-1031.	0.9	7
102	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, 124, 440-453.	1.5	53
103	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.	1.7	23
104	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.	1.7	16
105	Comparison of wavelet and correlation indices of cerebral autoregulation in a pediatric swine model of cardiac arrest. <i>Scientific Reports</i> , 2020, 10, 5926.	1.6	9
106	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.	1.7	29
107	Cerebrospinal fluid dynamics in non-acute post-traumatic ventriculomegaly. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 24.	2.4	23
108	Robotic Semi-Automated Transcranial Doppler Assessment of Cerebrovascular Autoregulation in Post-Concussion Syndrome: Methodological Considerations. <i>Neurotrauma Reports</i> , 2020, 1, 218-231.	0.5	7

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109	Impact of duration and magnitude of raised intracranial pressure on outcome after severe traumatic brain injury: A CENTER-TBI high-resolution group study. PLoS ONE, 2020, 15, e0243427.	1.1	58
110	Artifact removal from neurophysiological signals: impact on intracranial and arterial pressure monitoring in traumatic brain injury. Journal of Neurosurgery, 2020, 132, 1952-1960.	0.9	12
111	Cardiorespiratory Events in Infants Born Preterm during the Transitional Period. Journal of Pediatrics, 2020, 221, 32-38.e2.	0.9	0
112	Title is missing!. , 2020, 15, e0243427.		0
113	Title is missing!. , 2020, 15, e0243427.		0
114	Title is missing!. , 2020, 15, e0243427.		0
115	Title is missing!. , 2020, 15, e0243427.		0
116	Non-Invasive Pressure Reactivity Index Using Doppler Systolic Flow Parameters: A Pilot Analysis. Journal of Neurotrauma, 2019, 36, 713-720.	1.7	27
117	Can interhemispheric desynchronization of cerebral blood flow anticipate upcoming vasospasm in aneurysmal subarachnoid haemorrhage patients?. Journal of Neuroscience Methods, 2019, 325, 108358.	1.3	1
118	Optic nerve sheath diameter: the next steps. Intensive Care Medicine, 2019, 45, 1842-1843.	3.9	11
119	Effects of Resistance Exercise and Nutritional Supplementation on Dynamic Cerebral Autoregulation in Head-Down Bed Rest. Frontiers in Physiology, 2019, 10, 1114.	1.3	20
120	The Evolution of the Role of External Ventricular Drainage in Traumatic Brain Injury. Journal of Clinical Medicine, 2019, 8, 1422.	1.0	32
121	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
122	Cerebrovascular reactivity is not associated with therapeutic intensity in adult traumatic brain injury: a CENTER-TBI analysis. Acta Neurochirurgica, 2019, 161, 1955-1964.	0.9	44
123	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. Resuscitation, 2019, 141, 96-103.	1.3	44
124	Consensus statement from the International Consensus Meeting on the Role of Decompressive Craniectomy in the Management of Traumatic Brain Injury. Acta Neurochirurgica, 2019, 161, 1261-1274.	0.9	143
125	Brain Venous Blood Outflow. Neurocritical Care, 2019, 31, 249-250.	1.2	1
126	Cerebrospinal Fluid Pressure Dynamics. , 2019, , 293-326.		2

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127	Brain ultrasonography: methodology, basic and advanced principles and clinical applications. A narrative review. <i>Intensive Care Medicine</i> , 2019, 45, 913-927.	3.9	132
128	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.	0.9	20
129	Changes in hemodynamics, cerebral oxygenation and cerebrovascular reactivity during the early transitional circulation in preterm infants. <i>Pediatric Research</i> , 2019, 86, 247-253.	1.1	18
130	Thresholds for identifying pathological intracranial pressure in paediatric traumatic brain injury. <i>Scientific Reports</i> , 2019, 9, 3537.	1.6	10
131	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.	0.9	56
132	Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2019, 138, 308-309.	1.3	1
133	Transcranial Doppler Non-invasive Assessment of Intracranial Pressure, Autoregulation of Cerebral Blood Flow and Critical Closing Pressure during Orthotopic Liver Transplant. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1435-1445.	0.7	10
134	Feasibility of individualised severe traumatic brain injury management using an automated assessment of optimal cerebral perfusion pressure: the COGITATE phase II study protocol. <i>BMJ Open</i> , 2019, 9, e030727.	0.8	94
135	In a Search of Pressure Which Optimizes Autoregulation of Cerebral Blood Flow*. <i>Critical Care Medicine</i> , 2019, 47, 1472-1473.	0.4	2
136	Estimation of pulsatile cerebral arterial blood volume based on transcranial doppler signals. <i>Medical Engineering and Physics</i> , 2019, 74, 23-32.	0.8	10
137	Feasibility of Hidden Markov Models for the Description of Time-Varying Physiologic State After Severe Traumatic Brain Injury. <i>Critical Care Medicine</i> , 2019, 47, e880-e885.	0.4	9
138	The Burden of Brain Hypoxia and Optimal Mean Arterial Pressure in Patients With Hypoxic Ischemic Brain Injury After Cardiac Arrest*. <i>Critical Care Medicine</i> , 2019, 47, 960-969.	0.4	97
139	Continuous monitoring of cerebrovascular reactivity through pulse transit time and intracranial pressure. <i>Physiological Measurement</i> , 2019, 40, 01LT01.	1.2	1
140	“Bucket”-cerebrospinal fluid bulk flow” is it a fact or a fiction?. <i>Acta Neurochirurgica</i> , 2019, 161, 257-258.	0.9	7
141	Twenty-Five Years of Intracranial Pressure Monitoring After Severe Traumatic Brain Injury: A Retrospective, Single-Center Analysis. <i>Neurosurgery</i> , 2019, 85, E75-E82.	0.6	92
142	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.	1.4	9
143	Ventriculo-peritoneal shunting is a safe and effective treatment for idiopathic intracranial hypertension. <i>British Journal of Neurosurgery</i> , 2019, 33, 62-70.	0.4	18
144	Cerebrospinal Fluid Pressure Dynamics. , 2019, , 1-34.		1

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145	Cerebrovascular assessment of patients undergoing shoulder surgery in beach chair position using a multiparameter transcranial Doppler approach. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 615-625.	0.7	14
146	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.	1.7	50
147	Genetic drivers of cerebral blood flow dysfunction in TBI: a speculative synthesis. <i>Nature Reviews Neurology</i> , 2019, 15, 25-39.	4.9	33
148	Cerebral arterial time constant calculated from the middle and posterior cerebral arteries in healthy subjects. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 605-613.	0.7	4
149	Central versus Local Radiological Reading of Acute Computed Tomography Characteristics in Multi-Center Traumatic Brain Injury Research. <i>Journal of Neurotrauma</i> , 2019, 36, 1080-1092.	1.7	30
150	Assessment of cerebral hemodynamic parameters using pulsatile versus non-pulsatile cerebral blood outflow models. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 85-94.	0.7	10
151	Dynamics of Cerebrospinal Fluid: From Theoretical Models to Clinical Applications. <i>Biological and Medical Physics Series</i> , 2019, , 181-214.	0.3	5
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