Danilo Cardim

List of Publications by Year
in descending order

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71	2,158	236925	243625
papers	citations	25 h-index	44 g-index

73	73	73	1627
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrasound non-invasive measurement of intracranial pressure in neurointensive care: A prospective observational study. PLoS Medicine, 2017, 14, e1002356.	8.4	174
2	Non-invasive Monitoring of Intracranial Pressure Using Transcranial Doppler Ultrasonography: Is It Possible?. Neurocritical Care, 2016, 25, 473-491.	2.4	165
3	Brain ultrasonography: methodology, basic and advanced principles and clinical applications. A narrative review. Intensive Care Medicine, 2019, 45, 913-927.	8.2	132
4	Individualizing Thresholds of Cerebral Perfusion Pressure Using Estimated Limits of Autoregulation. Critical Care Medicine, 2017, 45, 1464-1471.	0.9	116
5	Non-invasive assessment of intracranial pressure. Acta Neurologica Scandinavica, 2016, 134, 4-21.	2.1	107
6	The Burden of Brain Hypoxia and Optimal Mean Arterial Pressure in Patients With Hypoxic Ischemic Brain Injury After Cardiac Arrest*. Critical Care Medicine, 2019, 47, 960-969.	0.9	97
7	Twenty-Five Years of Intracranial Pressure Monitoring After Severe Traumatic Brain Injury: A Retrospective, Single-Center Analysis. Neurosurgery, 2019, 85, E75-E82.	1.1	92
8	Transcranial Doppler: a stethoscope for the brainâ€neurocritical care use. Journal of Neuroscience Research, 2018, 96, 720-730.	2.9	83
9	Effects of pneumoperitoneum and Trendelenburg position on intracranial pressure assessed using different non-invasive methods. British Journal of Anaesthesia, 2016, 117, 783-791.	3.4	81
10	Prospective Study on Noninvasive Assessment of Intracranial Pressure in Traumatic Brain-Injured Patients: Comparison of Four Methods. Journal of Neurotrauma, 2016, 33, 792-802.	3.4	74
11	Effects of Prone Position and Positive End-Expiratory Pressure on Noninvasive Estimators of ICP: A Pilot Study. Journal of Neurosurgical Anesthesiology, 2017, 29, 243-250.	1.2	55
12	A comparison of non-invasive versus invasive measures of intracranial pressure in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 137, 221-228.	3.0	52
13	Cerebrovascular pressure reactivity monitoring using wavelet analysis in traumatic brain injury patients: A retrospective study. PLoS Medicine, 2017, 14, e1002348.	8.4	48
14	One-Year Aerobic Exercise Reduced Carotid Arterial Stiffness and Increased Cerebral Blood Flow in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2021, 80, 841-853.	2.6	48
15	Monitoring of Optimal Cerebral Perfusion Pressure in Traumatic Brain Injured Patients Using a Multi-Window Weighting Algorithm. Journal of Neurotrauma, 2017, 34, 3081-3088.	3.4	45
16	Early effects of ventilatory rescue therapies on systemic and cerebral oxygenation in mechanically ventilated COVID-19 patients with acute respiratory distress syndrome: a prospective observational study. Critical Care, 2021, 25, 111.	5.8	45
17	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. Resuscitation, 2019, 141, 96-103.	3.0	44
18	Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. Critical Care Medicine, 2020, 48, 378-384.	0.9	43

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19	Transcranial Doppler Systolic Flow Index and ICP-Derived Cerebrovascular Reactivity Indices in Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 314-322.	3.4	41
20	Validation of a New Noninvasive Intracranial Pressure Monitoring Method by Direct Comparison with an Invasive Technique. Acta Neurochirurgica Supplementum, 2016, 122, 93-96.	1.0	38
21	Non-invasive Intracranial Pressure Assessment in Brain Injured Patients Using Ultrasound-Based Methods. Acta Neurochirurgica Supplementum, 2018, 126, 69-73.	1.0	35
22	Compensatory-Reserve-Weighted Intracranial Pressure and Its Association with Outcome After Traumatic Brain Injury. Neurocritical Care, 2018, 28, 212-220.	2.4	35
23	Doppler Non-invasive Monitoring of ICP in an Animal Model of Acute Intracranial Hypertension. Neurocritical Care, 2015, 23, 419-426.	2.4	32
24	Transcranial Doppler Monitoring of Intracranial Pressure Plateau Waves. Neurocritical Care, 2017, 26, 330-338.	2.4	31
25	Optic nerve sheath diameter ultrasonography at admission as a predictor of intracranial hypertension in traumatic brain injured patients: a prospective observational study. Journal of Neurosurgery, 2020, 132, 1279-1285.	1.6	30
26	An Association Between ICP-Derived Data and Outcome in TBI Patients: The Role of Sample Size. Neurocritical Care, 2017, 27, 103-107.	2.4	26
27	Noninvasive Intracranial Pressure Estimation With Transcranial Doppler: A Prospective Observational Study. Journal of Neurosurgical Anesthesiology, 2020, 32, 349-353.	1.2	26
28	Cerebral haemodynamics during experimental intracranial hypertension. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 694-705.	4.3	24
29	ICP Versus Laser Doppler Cerebrovascular Reactivity Indices to Assess Brain Autoregulatory Capacity. Neurocritical Care, 2018, 28, 194-202.	2.4	23
30	Lack of agreement between optimal mean arterial pressure determination using pressure reactivity index versus cerebral oximetry index in hypoxic ischemic brain injury after cardiac arrest. Resuscitation, 2020, 152, 184-191.	3.0	21
31	Assessment of cerebral autoregulation indices â€“ a modelling perspective. Scientific Reports, 2020, 10, 9600.	3.3	19
32	Wavelet pressure reactivity index: a validation study. Journal of Physiology, 2018, 596, 2797-2809.	2.9	18
33	Changes in hemodynamics, cerebral oxygenation and cerebrovascular reactivity during the early transitional circulation in preterm infants. Pediatric Research, 2019, 86, 247-253.	2.3	18
34	Observations on the Cerebral Effects of Refractory Intracranial Hypertension After Severe Traumatic Brain Injury. Neurocritical Care, 2020, 32, 437-447.	2.4	18
35	Ultrasound non-invasive intracranial pressure assessment in paediatric neurocritical care: a pilot study. Child's Nervous System, 2020, 36, 117-124.	1.1	18
36	Validation of a New Minimally Invasive Intracranial Pressure Monitoring Method by Direct Comparison with an Invasive Technique. Acta Neurochirurgica Supplementum, 2016, 122, 97-100.	1.0	15

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37	Assessment of non-invasive ICP during CSF infusion test: an approach with transcranial Doppler. Acta Neurochirurgica, 2016, 158, 279-287.	1.7	15
38	Transcranial Doppler as a non-invasive method to estimate cerebral perfusion pressure in children with severe traumatic brain injury. Child's Nervous System, 2020, 36, 125-131.	1.1	15
39	Cerebrovascular assessment of patients undergoing shoulder surgery in beach chair position using a multiparameter transcranial Doppler approach. Journal of Clinical Monitoring and Computing, 2019, 33, 615-625.	1.6	14
40	Intraoperative non invasive intracranial pressure monitoring during pneumoperitoneum: a case report and a review of the published cases and case report series. Journal of Clinical Monitoring and Computing, 2016, 30, 527-538.	1.6	13
41	Near-infrared spectroscopy: unfulfilled promises. British Journal of Anaesthesia, 2018, 121, 523-526.	3.4	13
42	Near-Infrared Spectroscopy to Assess Cerebral Autoregulation and Optimal Mean Arterial Pressure in Patients With Hypoxic-Ischemic Brain Injury: A Prospective Multicenter Feasibility Study. , 2020, 2, e0217.		12
43	Effects of Age and Sex on Optic Nerve Sheath Diameter in Healthy Volunteers and Patients With Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 764.	2.4	11
44	Transcranial Doppler Non-invasive Assessment of Intracranial Pressure, Autoregulation of Cerebral Blood Flow and Critical Closing Pressure during Orthotopic Liver Transplant. Ultrasound in Medicine and Biology, 2019, 45, 1435-1445.	1.5	10
45	Clinical application of non-invasive intracranial pressure measurements. British Journal of Anaesthesia, 2018, 121, 500-501.	3.4	9
46	Characterization of Intracranial Pressure Behavior in Chronic Epileptic Animals: A Preliminary Study. Acta Neurochirurgica Supplementum, 2016, 122, 329-333.	1.0	8
47	Variability of the Optic Nerve Sheath Diameter on the Basis of Sex and Age in a Cohort of Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 121-124.	1.0	7
48	Comparison of Different Calibration Methods in a Non-invasive ICP Assessment Model. Acta Neurochirurgica Supplementum, 2018, 126, 79-84.	1.0	7
49	Computed Tomography Indicators of Deranged Intracranial Physiology in Paediatric Traumatic Brain Injury. Acta Neurochirurgica Supplementum, 2018, 126, 29-34.	1.0	5
50	Midline shift in patients with closed traumatic brain injury may be driven by cerebral perfusion pressure not intracranial pressure. Journal of Neurosurgical Sciences, 2021, 65, 383-390.	0.6	5
51	Characterization of ICP Behavior in an Experimental Model of Hemorrhagic Stroke in Rats. Acta Neurochirurgica Supplementum, 2016, 122, 121-124.	1.0	5
52	The Use of Different Components of Brain Oxygenation for the Assessment of Cerebral Haemodynamics: A Prospective Observational Study on COVID-19 Patients. Frontiers in Neurology, 2021, 12, 735469.	2.4	5
53	Increased ICP and Its Cerebral Haemodynamic Sequelae. Acta Neurochirurgica Supplementum, 2018, 126, 47-50.	1.0	4
54	Steady-state cerebral autoregulation in older adults with amnestic mild cognitive impairment: linear mixed model analysis. Journal of Applied Physiology, 2020, 129, 377-385.	2.5	4

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55	Arterial and Venous Cerebral Blood Flow Velocities and Their Correlation in Healthy Volunteers and Traumatic Brain Injury Patients. Journal of Neurosurgical Anesthesiology, 2022, 34, e24-e33.	1.2	4
56	Pre-hospital Predictors of Impaired ICP Trends in Continuous Monitoring of Paediatric Traumatic Brain Injury Patients. Acta Neurochirurgica Supplementum, 2018, 126, 7-10.	1.0	3
57	Transcranial Doppler-derived indices of cerebrovascular haemodynamics are independent of depth and angle of insonation. Journal of Clinical Neuroscience, 2020, 82, 115-121.	1.5	3
58	Noninvasive Intracranial Pressure Assessment in Patients with Suspected Idiopathic Intracranial Hypertension. Acta Neurochirurgica Supplementum, 2021, 131, 325-327.	1.0	3
59	Prolonged Automated Robotic TCD Monitoring in Acute Severe TBI: Study Design and Rationale. Neurocritical Care, 2022, , 1.	2.4	3
60	The Association Between Peri-Hemorrhagic Metabolites and Cerebral Hemodynamics in Comatose Patients With Spontaneous Intracerebral Hemorrhage: An International Multicenter Pilot Study Analysis. Frontiers in Neurology, 2020, 11, 568536.	2.4	2
61	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. Acta Neurochirurgica Supplementum, 2021, 131, 131-134.	1.0	2
62	Is Lumbar Puncture Needed? â€“ Noninvasive Assessment of ICP Facilitates Decision Making in Patients with Suspected Idiopathic Intracranial Hypertension. Ultraschall in Der Medizin, 2023, 44, e91-e98.	1.5	2
63	Reply to: Optic nerve sheath diameter measurement in hypoxic ischaemic brain injury after cardiac arrest. Resuscitation, 2019, 138, 308-309.	3.0	1
64	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.	1.0	1
65	Ultrasound-Guided Therapies in the Neuro ICU. Current Treatment Options in Neurology, 2021, 23, 1.	1.8	1
66	Effects of 1â€year Aerobic Exercise Training on Cerebral Blood Flow and Arterial Siffness in Amnestic Mild Cognitive Impairment. FASEB Journal, 2020, 34, 1-1.	0.5	1
67	Feasibility of non-invasive neuromonitoring in general intensive care patients using a multi-parameter transcranial Doppler approach. Journal of Clinical Monitoring and Computing, 2022, 36, 1805-1815.	1.6	1
68	Estimation of Cerebral Vasomotor Reactivity with Near Infrared Spectroscopy in Young Adults. FASEB Journal, 2020, 34, 1-1.	0.5	0
69	Transcranial Doppler and Optic Nerve Ultrasonography for Non-invasive ICP Assessment. , 2021, , 75-94.		0
70	Pneumoperitoneum and Trendelenburg Position During Abdominal Surgery: Usefulness of Transcranial Doppler (TCD/TCCS) to Non-invasive Intracranial Pressure Monitoring. , 2022, , 1111-1120.		0
71	Neurocritical Patient in ICU: Transcranial Doppler (TCD/TCCS) as the Brain Stethoscope. , 2022, , 195-213.		0