

Danilo Cardim

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,158
citations

236612

25
h-index

243296

44
g-index

73
all docs

73
docs citations

73
times ranked

1627
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound non-invasive measurement of intracranial pressure in neurointensive care: A prospective observational study. <i>PLoS Medicine</i> , 2017, 14, e1002356.	3.9	174
2	Non-invasive Monitoring of Intracranial Pressure Using Transcranial Doppler Ultrasonography: Is It Possible?. <i>Neurocritical Care</i> , 2016, 25, 473-491.	1.2	165
3	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
4	Individualizing Thresholds of Cerebral Perfusion Pressure Using Estimated Limits of Autoregulation. <i>Critical Care Medicine</i> , 2017, 45, 1464-1471.	0.4	116
5	Non-invasive assessment of intracranial pressure. <i>Acta Neurologica Scandinavica</i> , 2016, 134, 4-21.	1.0	107
6	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
7	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
8	Transcranial Doppler: a stethoscope for the brain—neurocritical care use. <i>Journal of Neuroscience Research</i> , 2018, 96, 720-730.	1.3	83
9	Effects of pneumoperitoneum and Trendelenburg position on intracranial pressure assessed using different non-invasive methods. <i>British Journal of Anaesthesia</i> , 2016, 117, 783-791.	1.5	81
10	Prospective Study on Noninvasive Assessment of Intracranial Pressure in Traumatic Brain-Injured Patients: Comparison of Four Methods. <i>Journal of Neurotrauma</i> , 2016, 33, 792-802.	1.7	74
11	Effects of Prone Position and Positive End-Expiratory Pressure on Noninvasive Estimators of ICP: A Pilot Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2017, 29, 243-250.	0.6	55
12	A comparison of non-invasive versus invasive measures of intracranial pressure in hypoxic ischaemic brain injury after cardiac arrest. <i>Resuscitation</i> , 2019, 137, 221-228.	1.3	52
13	Cerebrovascular pressure reactivity monitoring using wavelet analysis in traumatic brain injury patients: A retrospective study. <i>PLoS Medicine</i> , 2017, 14, e1002348.	3.9	48
14	One-Year Aerobic Exercise Reduced Carotid Arterial Stiffness and Increased Cerebral Blood Flow in Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 841-853.	1.2	48
15	Monitoring of Optimal Cerebral Perfusion Pressure in Traumatic Brain Injured Patients Using a Multi-Window Weighting Algorithm. <i>Journal of Neurotrauma</i> , 2017, 34, 3081-3088.	1.7	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. <i>Critical Care</i> , 2021, 25, 111.	2.5	45
17	Intracranial pressure and compliance in hypoxic ischemic brain injury patients after cardiac arrest. <i>Resuscitation</i> , 2019, 141, 96-103.	1.3	44
18	Brain Hypoxia Secondary to Diffusion Limitation in Hypoxic Ischemic Brain Injury Postcardiac Arrest. <i>Critical Care Medicine</i> , 2020, 48, 378-384.	0.4	43

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19	Transcranial Doppler Systolic Flow Index and ICP-Derived Cerebrovascular Reactivity Indices in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 314-322.	1.7	41
20	Validation of a New Noninvasive Intracranial Pressure Monitoring Method by Direct Comparison with an Invasive Technique. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 93-96.	0.5	38
21	Non-invasive Intracranial Pressure Assessment in Brain Injured Patients Using Ultrasound-Based Methods. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 69-73.	0.5	35
22	Compensatory-Reserve-Weighted Intracranial Pressure and Its Association with Outcome After Traumatic Brain Injury. <i>Neurocritical Care</i> , 2018, 28, 212-220.	1.2	35
23	Doppler Non-invasive Monitoring of ICP in an Animal Model of Acute Intracranial Hypertension. <i>Neurocritical Care</i> , 2015, 23, 419-426.	1.2	32
24	Transcranial Doppler Monitoring of Intracranial Pressure Plateau Waves. <i>Neurocritical Care</i> , 2017, 26, 330-338.	1.2	31
25	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
26	An Association Between ICP-Derived Data and Outcome in TBI Patients: The Role of Sample Size. <i>Neurocritical Care</i> , 2017, 27, 103-107.	1.2	26
27	Noninvasive Intracranial Pressure Estimation With Transcranial Doppler: A Prospective Observational Study. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, 32, 349-353.	0.6	26
28	Cerebral haemodynamics during experimental intracranial hypertension. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 694-705.	2.4	24
29	ICP Versus Laser Doppler Cerebrovascular Reactivity Indices to Assess Brain Autoregulatory Capacity. <i>Neurocritical Care</i> , 2018, 28, 194-202.	1.2	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. <i>Resuscitation</i> , 2020, 152, 184-191.	1.3	21
31	Assessment of cerebral autoregulation indices – a modelling perspective. <i>Scientific Reports</i> , 2020, 10, 9600.	1.6	19
32	Wavelet pressure reactivity index: a validation study. <i>Journal of Physiology</i> , 2018, 596, 2797-2809.	1.3	18
33	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
34	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
35	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
36	Validation of a New Minimally Invasive Intracranial Pressure Monitoring Method by Direct Comparison with an Invasive Technique. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 97-100.	0.5	15

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37	Assessment of non-invasive ICP during CSF infusion test: an approach with transcranial Doppler. <i>Acta Neurochirurgica</i> , 2016, 158, 279-287.	0.9	15
38	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
39	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
40	Intraoperative non invasive intracranial pressure monitoring during pneumoperitoneum: a case report and a review of the published cases and case report series. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 527-538.	0.7	13
41	Near-infrared spectroscopy: unfulfilled promises. <i>British Journal of Anaesthesia</i> , 2018, 121, 523-526.	1.5	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. <i>Frontiers in Neurology</i> , 2020, 11, 764.	1.1	11
44	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
45	Clinical application of non-invasive intracranial pressure measurements. <i>British Journal of Anaesthesia</i> , 2018, 121, 500-501.	1.5	9
46	Characterization of Intracranial Pressure Behavior in Chronic Epileptic Animals: A Preliminary Study. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 329-333.	0.5	8
47	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
48	Comparison of Different Calibration Methods in a Non-invasive ICP Assessment Model. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 79-84.	0.5	7
49	Computed Tomography Indicators of Deranged Intracranial Physiology in Paediatric Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 29-34.	0.5	5
50	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
51	Characterization of ICP Behavior in an Experimental Model of Hemorrhagic Stroke in Rats. <i>Acta Neurochirurgica Supplementum</i> , 2016, 122, 121-124.	0.5	5
52	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
53	Increased ICP and Its Cerebral Haemodynamic Sequelae. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 47-50.	0.5	4
54	Steady-state cerebral autoregulation in older adults with amnesic mild cognitive impairment: linear mixed model analysis. <i>Journal of Applied Physiology</i> , 2020, 129, 377-385.	1.2	4

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55	Arterial and Venous Cerebral Blood Flow Velocities and Their Correlation in Healthy Volunteers and Traumatic Brain Injury Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2022, 34, e24-e33.	0.6	4
56	Pre-hospital Predictors of Impaired ICP Trends in Continuous Monitoring of Paediatric Traumatic Brain Injury Patients. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 7-10.	0.5	3
57	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
58	Noninvasive Intracranial Pressure Assessment in Patients with Suspected Idiopathic Intracranial Hypertension. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 325-327.	0.5	3
59	Prolonged Automated Robotic TCD Monitoring in Acute Severe TBI: Study Design and Rationale. <i>Neurocritical Care</i> , 2022, , 1.	1.2	3
60	The Association Between Peri-Hemorrhagic Metabolites and Cerebral Hemodynamics in Comatose Patients With Spontaneous Intracerebral Hemorrhage: An International Multicenter Pilot Study Analysis. <i>Frontiers in Neurology</i> , 2020, 11, 568536.	1.1	2
61	Arterial and Venous Cerebral Blood Flow Velocities in Healthy Volunteers. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 131-134.	0.5	2
62	Is Lumbar Puncture Needed? – 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
63	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
64	Spectral Cerebral Blood Volume Accounting for Noninvasive Estimation of Changes in Cerebral Perfusion Pressure in Patients with Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2021, 131, 193-199.	0.5	1
65	Ultrasound-Guided Therapies in the Neuro ICU. <i>Current Treatment Options in Neurology</i> , 2021, 23, 1.	0.7	1
66	Effects of 1-year Aerobic Exercise Training on Cerebral Blood Flow and Arterial Stiffness in Amnesic Mild Cognitive Impairment. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
67	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
68	Estimation of Cerebral Vasomotor Reactivity with Near Infrared Spectroscopy in Young Adults. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	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