

Elsa Azevedo

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

4,038
citations

185998

28
h-index

123241

61
g-index

106
all docs

106
docs citations

106
times ranked

5215
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Blood-Pressure Lowering in Patients with Acute Intracerebral Hemorrhage. <i>New England Journal of Medicine</i> , 2013, 368, 2355-2365.	13.9	1,269
2	General anaesthesia versus local anaesthesia for carotid surgery (GALA): a multicentre, randomised controlled trial. <i>Lancet</i> , The, 2008, 372, 2132-2142.	6.3	514
3	Citicoline in the treatment of acute ischaemic stroke: an international, randomised, multicentre, placebo-controlled study (ICTUS trial). <i>Lancet</i> , The, 2012, 380, 349-357.	6.3	215
4	Intravenous Alteplase for Stroke in Those Older Than 80 Years Old. <i>Stroke</i> , 2010, 41, 2568-2574.	1.0	149
5	Cerebral Autoregulation in Stroke. <i>Current Atherosclerosis Reports</i> , 2018, 20, 37.	2.0	91
6	Diagnosis of Stroke by the Nonneurologist. <i>Stroke</i> , 1998, 29, 1106-1109.	1.0	89
7	Hemorrhagic transformation and cerebral edema in acute ischemic stroke: Link to cerebral autoregulation. <i>Journal of the Neurological Sciences</i> , 2017, 372, 256-261.	0.3	81
8	Segmentation of the carotid intima-media region in B-mode ultrasound images. <i>Image and Vision Computing</i> , 2010, 28, 614-625.	2.7	80
9	Clinical improvement in patients with orthostatic intolerance after treatment with bisoprolol and fludrocortisone. <i>Clinical Autonomic Research</i> , 2000, 10, 293-299.	1.4	67
10	Neutrophil-to-Lymphocyte Ratio Predicts Cerebral Edema and Clinical Worsening Early After Reperfusion Therapy in Stroke. <i>Stroke</i> , 2021, 52, 859-867.	1.0	66
11	Predictors for Cerebral Edema in Acute Ischemic Stroke Treated With Intravenous Thrombolysis. <i>Stroke</i> , 2017, 48, 2464-2471.	1.0	65
12	Efficacy of Cerebral Autoregulation in Early Ischemic Stroke Predicts Smaller Infarcts and Better Outcome. <i>Frontiers in Neurology</i> , 2017, 8, 113.	1.1	61
13	Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. <i>BMC Medicine</i> , 2017, 15, 27.	2.3	53
14	SARS-CoV-2 and Stroke Characteristics. <i>Stroke</i> , 2021, 52, e117-e130.	1.0	51
15	A novel automatic algorithm for the segmentation of the lumen of the carotid artery in ultrasound B-mode images. <i>Expert Systems With Applications</i> , 2013, 40, 6570-6579.	4.4	48
16	Intracranial Arterial Stenosis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 599-609.	0.7	47
17	Neuroimaging and clinical outcomes of oral anticoagulant-associated intracerebral hemorrhage. <i>Annals of Neurology</i> , 2018, 84, 694-704.	2.8	46
18	Cold: A risk factor for stroke?. <i>Journal of Neurology</i> , 1995, 242, 217-221.	1.8	42

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19	Segmentation of ultrasound images of the carotid using RANSAC and cubic splines. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 101, 94-106.	2.6	41
20	An injectable implant to stimulate the sphenopalatine ganglion for treatment of acute ischaemic stroke up to 24 h from onset (ImpACT-24B): an international, randomised, double-blind, sham-controlled, pivotal trial. <i>Lancet, The</i> , 2019, 394, 219-229.	6.3	41
21	Autonomic dysfunction affects cerebral neurovascular coupling. <i>Clinical Autonomic Research</i> , 2011, 21, 395-403.	1.4	40
22	Autonomic dysfunction affects dynamic cerebral autoregulation during Valsalva maneuver: comparison between healthy and autonomic dysfunction subjects. <i>Journal of Applied Physiology</i> , 2014, 117, 205-213.	1.2	39
23	Interplay of cerebral autoregulation and neurovascular coupling evaluated by functional TCD in different orthostatic conditions. <i>Journal of Neurology</i> , 2007, 254, 236-241.	1.8	37
24	<scp>P</scp>eriodontitis and atherosclerosis: an observational study. <i>Journal of Periodontal Research</i> , 2013, 48, 452-457.	1.4	33
25	Demographic and Systemic Hemodynamic Influences in Mechanisms of Cerebrovascular Regulation in Healthy Adults. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 500-508.	0.7	33
26	Chronic kidney disease and poor outcomes in ischemic stroke: is impaired cerebral autoregulation the missing link?. <i>BMC Neurology</i> , 2018, 18, 21.	0.8	33
27	Toward hemodynamic diagnosis of carotid artery stenosis based on ultrasound image data and computational modeling. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 971-983.	1.6	31
28	Estimated GFR and the Effect of Intensive Blood Pressure Lowering After Acute Intracerebral Hemorrhage. <i>American Journal of Kidney Diseases</i> , 2016, 68, 94-102.	2.1	31
29	Systemic inflammation status at admission affects the outcome of intracerebral hemorrhage by increasing perihematomal edema but not the hematoma growth. <i>Acta Neurologica Belgica</i> , 2021, 121, 649-659.	0.5	29
30	Autonomic dysfunction in multiple sclerosis is better detected by heart rate variability and is not correlated with central autonomic network damage. <i>Journal of the Neurological Sciences</i> , 2016, 367, 133-137.	0.3	27
31	Stroke and multiple peripheral thrombotic events in an adult with varicella. <i>European Journal of Neurology</i> , 2008, 15, e90-1.	1.7	25
32	Transcranial Doppler and brain death. <i>Transplantation Proceedings</i> , 2000, 32, 2579-2581.	0.3	23
33	Computational simulation of carotid stenosis and flow dynamics based on patient ultrasound data â€œ A new tool for risk assessment and surgical planning. <i>Advances in Medical Sciences</i> , 2016, 61, 32-39.	0.9	23
34	Non-aneurysmal spontaneous subarachnoid hemorrhage: perimesencephalic versus non-perimesencephalic. <i>Revista Brasileira De Terapia Intensiva</i> , 2016, 28, 141-6.	0.1	22
35	Association between age at disease onset of anti-neutrophil cytoplasmic antibodyâ€œassociated vasculitis and clinical presentation and short-term outcomes. <i>Rheumatology</i> , 2021, 60, 617-628.	0.9	22
36	Dynamic Cerebral Autoregulation Post Endovascular Thrombectomy in Acute Ischemic Stroke. <i>Brain Sciences</i> , 2020, 10, 641.	1.1	19

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37	Hemodynamic, autonomic and neurohormonal behaviour of familial amyloidotic polyneuropathy and neurally mediated syncope patients during supine and orthostatic stress. <i>International Journal of Cardiology</i> , 2007, 116, 242-248.	0.8	18
38	Functional Transcranial Doppler: Presymptomatic Changes in Fabry Disease. <i>European Neurology</i> , 2012, 67, 331-337.	0.6	18
39	Atrial Fibrillation as an Ischemic Stroke Clinical and Economic Burden Modifier: A 15-Year Nationwide Study. <i>Value in Health</i> , 2017, 20, 1083-1091.	0.1	18
40	Microemboli After Successful Thrombectomy Do Not Affect Outcome but Predict New Embolic Events. <i>Stroke</i> , 2020, 51, 154-161.	1.0	17
41	The usefulness of the head-up tilt test in patients with suspected epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 367-370.	0.9	16
42	Impact of Transcranial Doppler Ultrasound on Logistics and Outcomes in Stroke Thrombolysis. <i>Stroke</i> , 2018, 49, 1695-1700.	1.0	16
43	Deep brain stimulation does not change neurovascular coupling in non-motor visual cortex: An autonomic and visual evoked blood flow velocity response study. <i>Parkinsonism and Related Disorders</i> , 2010, 16, 600-603.	1.1	15
44	Reversible cerebral vasoconstriction syndrome – A narrative revision of the literature. <i>Porto Biomedical Journal</i> , 2016, 1, 65-71.	0.4	15
45	POST-NOAC: Portuguese observational study of intracranial hemorrhage on non-vitamin K antagonist oral anticoagulants. <i>International Journal of Stroke</i> , 2017, 12, 623-627.	2.9	14
46	Practice recommendations for neurovascular ultrasound investigations of acute stroke patients in the setting of the COVID-19 pandemic: an expert consensus from the European Society of Neurosonology and Cerebral Hemodynamics. <i>European Journal of Neurology</i> , 2020, 27, 1776-1780.	1.7	14
47	Phytoestrogens as a Risk Factor for Cerebral Sinus Thrombosis. <i>Cerebrovascular Diseases</i> , 2005, 20, 137-138.	0.8	13
48	Haemodynamic conditions of patient-specific carotid bifurcation based on ultrasound imaging. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2014, 2, 157-166.	1.3	13
49	Primary involvement of neurovascular coupling in cerebral autosomal-dominant arteriopathy with subcortical infarcts and leukoencephalopathy. <i>Journal of Neurology</i> , 2019, 266, 1782-1788.	1.8	13
50	Readmissions and Mortality During the First Year After Stroke – Data From a Population-Based Incidence Study. <i>Frontiers in Neurology</i> , 2020, 11, 636.	1.1	12
51	Probable exacerbation of myasthenia gravis by ofloxacin. <i>Journal of Neurology</i> , 1993, 240, 508-508.	1.8	11
52	A new pattern of arterial rete compensation of segmental basilar agenesis associated with carotid retia mirabilia: a case report (2010: 1b). <i>European Radiology</i> , 2010, 20, 1024-1028.	2.3	11
53	Automatic segmentation of the lumen of the carotid artery in ultrasound B-mode images. <i>Proceedings of SPIE</i> , 2013, , .	0.8	11
54	Point-of-Care Ultrasound in Neurology – Report of the EAN SPN/ESNCH/ERCnsono Neuro-POCUS Working Group. <i>Ultraschall in Der Medizin</i> , 2022, 43, 354-366.	0.8	11

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55	Automatic Lumen Detection on Longitudinal Ultrasound B-Mode Images of the Carotid Using Phase Symmetry. <i>Sensors</i> , 2016, 16, 350.	2.1	10
56	Physiotherapy based on problem-solving in upper limb function and neuroplasticity in chronic stroke patients: A case series. <i>Journal of Evaluation in Clinical Practice</i> , 2018, 24, 552-560.	0.9	10
57	Neuro-COVID frequency and short-term outcome in the Northern Portuguese population. <i>European Journal of Neurology</i> , 2021, 28, 3360-3368.	1.7	10
58	Adaptation of cerebral pressure-velocity hemodynamic changes of neurovascular coupling to orthostatic challenge. <i>Perspectives in Medicine</i> , 2012, 1, 290-296.	0.4	9
59	Autonomic activity and biomarker behavior in supine position and after passive postural stress in different orthostatic intolerance syndromes. <i>Revista Portuguesa De Cardiologia</i> , 2015, 34, 543-549.	0.2	9
60	Indexes of cerebral autoregulation do not reflect impairment in syncope: insights from head-up tilt test of vasovagal and autonomic failure subjects. <i>European Journal of Applied Physiology</i> , 2017, 117, 1817-1831.	1.2	9
61	Neurovascular Coupling Is Impaired in Hypertensive and Diabetic Subjects Without Symptomatic Cerebrovascular Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 728007.	1.7	9
62	Reversible sympathetic vasomotor dysfunction in POTS patients. <i>Revista Portuguesa De Cardiologia</i> , 2000, 19, 1163-70.	0.2	9
63	Rapid Assessment of Blood Pressure Variability and Outcome After Successful Thrombectomy. <i>Stroke</i> , 2021, 52, e531-e535.	1.0	8
64	Ageing affects the balance between central and peripheral mechanisms of cerebrovascular regulation with increasing influence of systolic blood pressure levels. <i>European Journal of Applied Physiology</i> , 2019, 119, 519-529.	1.2	7
65	Safety and early outcomes after intravenous thrombolysis in acute ischemic stroke patients with prestroke disability. <i>International Journal of Stroke</i> , 2021, 16, 710-718.	2.9	7
66	A robust anisotropic edge detection method for carotid ultrasound image processing. <i>Procedia Computer Science</i> , 2018, 126, 723-732.	1.2	6
67	Sex Differences in Stroke Incidence in a Portuguese Community-Based Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 3115-3123.	0.7	6
68	Cerebral vasoconstriction after carotid endarterectomy. <i>Practical Neurology</i> , 2018, 18, 378-381.	0.5	6
69	Neurovascular Coupling Impairment in Heart Failure with Reduction Ejection Fraction. <i>Brain Sciences</i> , 2020, 10, 714.	1.1	6
70	Teleneurology in Parkinson's disease: A step-by-step video guide. <i>Acta Neurologica Scandinavica</i> , 2021, 144, 221-225.	1.0	6
71	Heart rate variability as an assessment of brain death. <i>Transplantation Proceedings</i> , 2000, 32, 2584-2585.	0.3	5
72	Acute posterior multifocal placoid pigment epitheliopathy presenting with multiple brain and spinal cord infarctions. <i>Journal of the Neurological Sciences</i> , 2016, 361, 26-28.	0.3	5

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73	Evaluation of Cerebral Microvascular Regulatory Mechanisms with Transcranial Doppler in Fabry Disease. <i>Brain Sciences</i> , 2020, 10, 528.	1.1	5
74	Cerebral Neurovascular Coupling Impairment in Central Serous Chorioretinopathy. <i>Ophthalmic Research</i> , 2022, 65, 446-454.	1.0	5
75	Admission and Readmission/Death Patterns in Hospitalized and Non-hospitalized First-Ever-in-a-Lifetime Stroke Patients During the First Year: A Population-Based Incidence Study. <i>Frontiers in Neurology</i> , 2021, 12, 685821.	1.1	5
76	Sympathovagal imbalance in early ischemic stroke is linked to impaired cerebral autoregulation and increased infarct volumes. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, 241, 102986.	1.4	5
77	Autonomic activity and biomarker behavior in supine position and after passive postural stress in different orthostatic intolerance syndromes. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2015, 34, 543-549.	0.2	4
78	Cerebral autoregulation. , 2016, , 215-227.		4
79	Numerical study on the hemodynamics of patient-specific carotid bifurcation using a new mesh approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2972.	1.0	4
80	Heart failure patients have enhanced cerebral autoregulation response in acute ischemic stroke. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 50, 753-761.	1.0	4
81	Clinical, Laboratory and Ultrasonographic Interrelations in Giant Cell Arteritis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105601.	0.7	4
82	Acute Inflammation in Cerebrovascular Disease: A Critical Reappraisal with Focus on Human Studies. <i>Life</i> , 2021, 11, 1103.	1.1	4
83	Patient-Specific Study of a Stenosed Carotid Artery Bifurcation Using Fluid-Structure Interactive Simulation. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 495-503.	0.5	3
84	Vascular White Matter Lesions in Young Adults: A Neurology Outpatient Clinic Registry. <i>European Neurology</i> , 2019, 82, 23-31.	0.6	3
85	Simulated hemodynamics in human carotid bifurcation based on Doppler ultrasound data. <i>International Journal of Clinical Neurosciences and Mental Health</i> , 2014, , S15.	0.7	3
86	LOW AMBULATORY DIASTOLIC BLOOD PRESSURE IS ASSOCIATED WITH BRAIN ATROPHY IN STRONGLY TREATED HYPERTENSIVE PATIENTS. <i>Journal of Hypertension</i> , 2019, 37, e281.	0.3	2
87	Cerebrovascular regulation in patients with vasovagal syncope and autonomic failure due to familial amyloidotic polyneuropathy. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, , 103010.	1.4	2
88	Cryptogenic multi-infarcts and cortico-subcortical dementia in a young adult. <i>Journal of the Neurological Sciences</i> , 2007, 257, 255-257.	0.3	1
89	Optical Flow Based Approach for Automatic Cardiac Cycle Estimation in Ultrasound Images of the Carotid. <i>Lecture Notes in Computer Science</i> , 2015, , 360-367.	1.0	1
90	Hemodynamic, autonomic and neurohormonal behaviour in a ten-minute head-up tilt evaluation in different orthostatic intolerance syndromes. <i>American Journal of Hypertension</i> , 2004, 17, S15.	1.0	0

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91	[OP.1D.03] NIGHTTIME BLOOD PRESSURE IS THE MAJOR DETERMINANT FACTOR OF BOTH MACROVASCULAR AND MICROVASCULAR LESIONS IN A COHORT OF TYPE 2 DIABETIC AND NON-DIABETIC HYPERTENSIVE PATIENTS. <i>Journal of Hypertension</i> , 2016, 34, e12.	0.3	0
92	Cerebral autoregulation is preserved in multiple sclerosis patients. <i>Journal of the Neurological Sciences</i> , 2017, 381, 298-304.	0.3	0
93	Patent foramen ovale may not always be benign in the elderly. <i>Revista Portuguesa De Cardiologia</i> , 2019, 38, 387-388.	0.2	0
94	Prognostic yield of imaging before and after recanalization treatments in ischemic stroke. <i>Acta Neurologica Scandinavica</i> , 2020, 141, 226-235.	1.0	0
95	Nationwide Access to Endovascular Treatment for Acute Ischemic Stroke in Portugal. <i>Acta Medica Portuguesa</i> , 2021, 34, .	0.2	0
96	923 Interplay of cerebral autoregulation and neurovascular coupling evaluated by functional transcranial Doppler in different orthostatic positions. <i>Europace</i> , 2005, 7, 224-224.	0.7	0
97	789 Autonomic dysfunction in asymptomatic patients with TTR met30+. <i>Europace</i> , 2005, 7, 180-180.	0.7	0
98	Bilateral steno-occlusive disease of the middle cerebral artery: a case report with clinical-hemodynamic mismatch. <i>International Journal of Clinical Neurosciences and Mental Health</i> , 2014, , S26.	0.7	0
99	Internal carotid artery stenosis: validation of Doppler velocimetric criteria. <i>International Journal of Clinical Neurosciences and Mental Health</i> , 2014, , S13.	0.7	0
100	Near-Optimum Carotid Disease Analysis using Ultrasound Image Data. , 0, , .		0
101	Mesh Generation and Blood Flow Simulation in Human Carotid Bifurcation. , 0, , .		0