

Edson Amaro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5214521/publications.pdf>

Version: 2024-02-01

251
papers

7,899
citations

53660

45
h-index

69108

77
g-index

269
all docs

269
docs citations

269
times ranked

12873
citing authors

#	ARTICLE	IF	CITATIONS
1	Study design in fMRI: Basic principles. <i>Brain and Cognition</i> , 2006, 60, 220-232.	0.8	396
2	Application of hyperthermia induced by superparamagnetic iron oxide nanoparticles in glioma treatment. <i>International Journal of Nanomedicine</i> , 2011, 6, 591.	3.3	198
3	Regional Gray Matter Abnormalities in Obsessive-Compulsive Disorder: A Voxel-Based Morphometry Study. <i>Biological Psychiatry</i> , 2005, 58, 479-487.	0.7	197
4	White matter microstructure underlying default mode network connectivity in the human brain. <i>NeuroImage</i> , 2010, 49, 2021-2032.	2.1	185
5	Exomic variants of an elderly cohort of Brazilians in the ABraOM database. <i>Human Mutation</i> , 2017, 38, 751-763.	1.1	181
6	The effect of negative emotional context on neural and behavioural responses to oesophageal stimulation. <i>Brain</i> , 2003, 126, 669-684.	3.7	177
7	Meditation training increases brain efficiency in an attention task. <i>NeuroImage</i> , 2012, 59, 745-749.	2.1	175
8	Modulation of activity in temporal cortex during generation of inner speech. <i>Human Brain Mapping</i> , 2002, 16, 219-227.	1.9	174
9	Subregional Basal Forebrain Atrophy in Alzheimer's Disease: A Multicenter Study. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 687-700.	1.2	173
10	An fMRI Study of Verbal Self-monitoring: Neural Correlates of Auditory Verbal Feedback. <i>Cerebral Cortex</i> , 2006, 16, 969-977.	1.6	169
11	Acoustic noise and functional magnetic resonance imaging: Current strategies and future prospects. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 497-510.	1.9	162
12	Age-related gray matter volume changes in the brain during non-elderly adulthood. <i>Neurobiology of Aging</i> , 2011, 32, 354-368.	1.5	158
13	Ageing Effects on Whole-Brain Functional Connectivity in Adults Free of Cognitive and Psychiatric Disorders. <i>Cerebral Cortex</i> , 2016, 26, 3851-3865.	1.6	157
14	Misattribution of speech and impaired connectivity in patients with auditory verbal hallucinations. <i>Human Brain Mapping</i> , 2007, 28, 1213-1222.	1.9	150
15	Neural correlates of anxiety associated with obsessive-compulsive symptom dimensions in normal volunteers. <i>Biological Psychiatry</i> , 2003, 53, 482-493.	0.7	136
16	A method to produce evolving functional connectivity maps during the course of an fMRI experiment using wavelet-based time-varying Granger causality. <i>NeuroImage</i> , 2006, 31, 187-196.	2.1	132
17	Neural correlates of the misattribution of speech in schizophrenia. <i>British Journal of Psychiatry</i> , 2007, 190, 162-169.	1.7	119
18	Brain Response to Visceral Aversive Conditioning: A Functional Magnetic Resonance Imaging Study. <i>Gastroenterology</i> , 2005, 128, 1819-1829.	0.6	114

#	ARTICLE	IF	CITATIONS
19	Silent speechreading in the absence of scanner noise. <i>NeuroReport</i> , 2000, 11, 1729-1733.	0.6	108
20	Subthalamic Nucleus Deep Brain Stimulation: Basic Concepts and Novel Perspectives. <i>ENeuro</i> , 2017, 4, ENEURO.0140-17.2017.	0.9	106
21	Depression in Parkinson's disease: Convergence from voxel-based morphometry and functional magnetic resonance imaging in the limbic thalamus. <i>NeuroImage</i> , 2009, 47, 467-472.	2.1	104
22	Human attachment security is mediated by the amygdala: Evidence from combined fMRI and psychophysiological measures. <i>Human Brain Mapping</i> , 2006, 27, 623-635.	1.9	102
23	Temporal course of auditory hallucinations. <i>British Journal of Psychiatry</i> , 2004, 185, 516-517.	1.7	99
24	Randomized, proof-of-principle clinical trial of active transcranial magnetic stimulation in chronic migraine. <i>Cephalalgia</i> , 2014, 34, 464-472.	1.8	98
25	Biocompatible superparamagnetic iron oxide nanoparticles used for contrast agents: a structural and magnetic study. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 439-441.	1.0	96
26	Cholinergic basal forebrain atrophy predicts amyloid burden in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 482-491.	1.5	94
27	Factors associated with lower gait speed among the elderly living in a developing country: a cross-sectional population-based study. <i>BMC Geriatrics</i> , 2015, 15, 35.	1.1	88
28	Stroke lesion in cortical neural circuits and post-stroke incidence of major depressive episode: A 4-month prospective study. <i>World Journal of Biological Psychiatry</i> , 2011, 12, 539-548.	1.3	87
29	Use of SVM Methods with Surface-Based Cortical and Volumetric Subcortical Measurements to Detect Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1263-1272.	1.2	82
30	Cognitive Correlates of Basal Forebrain Atrophy and Associated Cortical Hypometabolism in Mild Cognitive Impairment. <i>Cerebral Cortex</i> , 2016, 26, 2411-2426.	1.6	81
31	Mesenchymal stem cells from umbilical cord blood: parameters for isolation, characterization and adipogenic differentiation. <i>Cytotechnology</i> , 2012, 64, 511-521.	0.7	76
32	Bilateral activation of the prefrontal cortex after strategic semantic cognitive training. <i>Human Brain Mapping</i> , 2006, 27, 288-295.	1.9	75
33	Age effects on the default mode and control networks in typically developing children. <i>Journal of Psychiatric Research</i> , 2014, 58, 89-95.	1.5	74
34	rTMS treatment for depression in Parkinson's disease increases BOLD responses in the left prefrontal cortex. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 173-83.	1.0	72
35	Staging Alzheimer's disease progression with multimodality neuroimaging. <i>Progress in Neurobiology</i> , 2011, 95, 535-546.	2.8	68
36	Diffusion Tensor Imaging Biomarkers to Predict Motor Outcomes in Stroke: A Narrative Review. <i>Frontiers in Neurology</i> , 2019, 10, 445.	1.1	65

#	ARTICLE	IF	CITATIONS
37	Multisite fMRI reproducibility of a motor task using identical MR systems. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1122-1126.	1.9	58
38	Higher nigrostriatal dopamine neuron loss in early than late onset Parkinson's disease?â€”A [^{99m} Tc]-TRODAT-1 SPECT study. <i>Movement Disorders</i> , 2007, 22, 863-866.	2.2	56
39	Grey matter abnormalities in Brazilians with first-episode psychosis. <i>British Journal of Psychiatry</i> , 2007, 191, s117-s122.	1.7	55
40	Performing functional magnetic resonance imaging in patients with Parkinson's disease treated with deep brain stimulation. <i>Movement Disorders</i> , 2006, 21, 1154-1162.	2.2	51
41	Quantitative Pathology of Nasal Passages in Rats Exposed to Urban Levels of Air Pollution. <i>Environmental Research</i> , 1994, 66, 87-95.	3.7	50
42	Wavelet based time-varying vector autoregressive modelling. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 5847-5866.	0.7	50
43	Abnormal visual activation in Parkinson's disease patients. <i>Movement Disorders</i> , 2010, 25, 1590-1596.	2.2	50
44	Analyzing the connectivity between regions of interest: An approach based on cluster Granger causality for fMRI data analysis. <i>NeuroImage</i> , 2010, 52, 1444-1455.	2.1	49
45	Neural correlates of the misattribution of self-generated speech. <i>Human Brain Mapping</i> , 2005, 26, 44-53.	1.9	48
46	Interaction of brain areas of visual and vestibular simultaneous activity with fMRI. <i>Experimental Brain Research</i> , 2015, 233, 237-252.	0.7	48
47	Rapid hippocampal plasticity supports motor sequence learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23898-23903.	3.3	48
48	Cavum septum pellucidum and adhesio interthalamica in schizophrenia: an MRI study. <i>European Psychiatry</i> , 2006, 21, 291-299.	0.1	47
49	A New Mental Health Mobile App for Well-Being and Stress Reduction in Working Women: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2019, 21, e14269.	2.1	46
50	Evaluating SVM and MLDA in the extraction of discriminant regions for mental state prediction. <i>NeuroImage</i> , 2009, 46, 105-114.	2.1	45
51	Increased dopamine transporter density in Parkinson's disease patients with social anxiety disorder. <i>Journal of the Neurological Sciences</i> , 2011, 310, 53-57.	0.3	45
52	Decreased centrality of subcortical regions during the transition to adolescence: A functional connectivity study. <i>NeuroImage</i> , 2015, 104, 44-51.	2.1	43
53	Chronic Traumatic Encephalopathy Presenting as Alzheimerâ€™s Disease in a Retired Soccer Player. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 169-174.	1.2	43
54	How Doctors Generate Diagnostic Hypotheses: A Study of Radiological Diagnosis with Functional Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2011, 6, e28752.	1.1	42

#	ARTICLE	IF	CITATIONS
55	Identification of psychopathic individuals using pattern classification of MRI images. <i>Social Neuroscience</i> , 2011, 6, 627-639.	0.7	40
56	A Randomized, Controlled Trial of Exercise for Parkinsonian Individuals With Freezing of Gait. <i>Movement Disorders</i> , 2020, 35, 1607-1617.	2.2	39
57	Assessment of factors that confound MRI and neuropathological correlation of human postmortem brain tissue. <i>Cell and Tissue Banking</i> , 2008, 9, 195-203.	0.5	37
58	Magnetic resonance diffusion tensor imaging for the pedunculopontine nucleus: proof of concept and histological correlation. <i>Brain Structure and Function</i> , 2017, 222, 2547-2558.	1.2	35
59	Greater Cortical Thickness in Elderly Female Yoga Practitioners—A Cross-Sectional Study. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 201.	1.7	35
60	Semantic strategy training increases memory performance and brain activity in patients with prefrontal cortex lesions. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 309-316.	0.6	34
61	Effect of scanner acoustic background noise on strict resting-state fMRI. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 359-367.	0.7	33
62	Antidepressant effects of tDCS are associated with prefrontal gray matter volumes at baseline: Evidence from the ELECT-TDCS trial. <i>Brain Stimulation</i> , 2019, 12, 1197-1204.	0.7	33
63	Kinetics of elimination and distribution in blood and liver of biocompatible ferrofluids based on Fe ₃ O ₄ nanoparticles: An EPR and XRF study. <i>Materials Science and Engineering C</i> , 2008, 28, 519-525.	3.8	32
64	Default mode network maturation and psychopathology in children and adolescents. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 55-64.	3.1	31
65	Developmental trajectory of the prefrontal cortex: a systematic review of diffusion tensor imaging studies. <i>Brain Imaging and Behavior</i> , 2018, 12, 1197-1210.	1.1	31
66	GeoSES: A socioeconomic index for health and social research in Brazil. <i>PLoS ONE</i> , 2020, 15, e0232074.	1.1	31
67	Age-effects in white matter using associated diffusion tensor imaging and magnetization transfer ratio during late childhood and early adolescence. <i>Magnetic Resonance Imaging</i> , 2016, 34, 529-534.	1.0	29
68	An fMRI-compatible force measurement system for the evaluation of the neural correlates of step initiation. <i>Scientific Reports</i> , 2017, 7, 43088.	1.6	29
69	Reproducibility of human brain activity evoked by esophageal stimulation using functional magnetic resonance imaging. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, G188-G197.	1.6	28
70	Hyperplane navigation: A method to set individual scores in fMRI group datasets. <i>NeuroImage</i> , 2008, 42, 1473-1480.	2.1	28
71	Improved detection of incipient vascular changes by a biotechnological platform combining post mortem MRI in situ with neuropathology. <i>Journal of the Neurological Sciences</i> , 2009, 283, 2-8.	0.3	28
72	Ferromagnetic resonance for the quantification of superparamagnetic iron oxide nanoparticles in biological materials. <i>International Journal of Nanomedicine</i> , 2010, 5, 203.	3.3	28

#	ARTICLE	IF	CITATIONS
73	Differences in prefrontal cortex activation and deactivation during strategic episodic verbal memory encoding in mild cognitive impairment. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 147.	1.7	28
74	Altered Functional Connectivity Between Precuneus and Motor Systems in Parkinson's Disease Patients. <i>Brain Connectivity</i> , 2017, 7, 643-647.	0.8	28
75	Substantia nigra fractional anisotropy is not a diagnostic biomarker of Parkinson's disease: A diagnostic performance study and meta-analysis. <i>European Radiology</i> , 2017, 27, 2640-2648.	2.3	28
76	High thickness histological sections as alternative to study the three-dimensional microscopic human sub-cortical neuroanatomy. <i>Brain Structure and Function</i> , 2018, 223, 1121-1132.	1.2	28
77	Frontal and anterior cingulate activation during overt verbal fluency in patients with first episode psychosis. <i>Revista Brasileira De Psiquiatria</i> , 2005, 27, 228-232.	0.9	27
78	Hippocampal CA3 Transcriptome Signature Correlates with Initial Precipitating Injury in Refractory Mesial Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2011, 6, e26268.	1.1	27
79	Right Inferior Frontal Gyrus Activation Is Associated with Memory Improvement in Patients with Left Frontal Low-Grade Glioma Resection. <i>PLoS ONE</i> , 2014, 9, e105987.	1.1	26
80	Effects of Adjuvant Chemotherapy on Cognitive Function of Patients With Early-stage Colorectal Cancer. <i>Clinical Colorectal Cancer</i> , 2019, 18, 19-27.	1.0	26
81	Brain atrophy in primary progressive aphasia involves the cholinergic basal forebrain and Ayla's nucleus. <i>Psychiatry Research - Neuroimaging</i> , 2014, 221, 187-194.	0.9	25
82	Temporal stability of network centrality in control and default mode networks: Specific associations with externalizing psychopathology in children and adolescents. <i>Human Brain Mapping</i> , 2015, 36, 4926-4937.	1.9	25
83	Effects of a 7-Day Meditation Retreat on the Brain Function of Meditators and Non-Meditators During an Attention Task. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 222.	1.0	25
84	Brain Imaging in Fibromyalgia. <i>Current Pain and Headache Reports</i> , 2012, 16, 388-398.	1.3	24
85	Phonemic Fluency in Portuguese-speaking Subjects in Brazil: Ranking of Letters. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2006, 28, 1191-1200.	0.8	23
86	Synthesis and characterization of silica-coated nanoparticles of magnetite. <i>Hyperfine Interactions</i> , 2010, 195, 265-274.	0.2	23
87	From EEG to BOLD: Brain mapping and estimating transfer functions in simultaneous EEG-fMRI acquisitions. <i>NeuroImage</i> , 2010, 50, 1416-1426.	2.1	23
88	Texture analysis of high resolution MRI allows discrimination between febrile and afebrile initial precipitating injury in mesial temporal sclerosis. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1647-1653.	1.9	23
89	Greater Anteroposterior Default Mode Network Functional Connectivity in Long-Term Elderly Yoga Practitioners. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 158.	1.7	23
90	Genetic risk for Alzheimer's disease and functional brain connectivity in children and adolescents. <i>Neurobiology of Aging</i> , 2019, 82, 10-17.	1.5	23

#	ARTICLE	IF	CITATIONS
91	Complex Network Analysis of CA3 Transcriptome Reveals Pathogenic and Compensatory Pathways in Refractory Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2013, 8, e79913.	1.1	22
92	Structural and functional analyses of the optic nerve and lateral geniculate nucleus in glaucoma. <i>PLoS ONE</i> , 2018, 13, e0194038.	1.1	22
93	Brain activity patterns during phonological verbal fluency performance with varying levels of difficulty: A functional magnetic resonance imaging study in Portuguese-speaking healthy individuals. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011, 33, 864-873.	0.8	20
94	The role of artificial intelligence and machine learning in harmonization of high-resolution post-mortem MRI (virtopsy) with respect to brain microstructure. <i>Brain Informatics</i> , 2019, 6, 3.	1.8	20
95	Magnetic characterization by SQUID and FMR of a biocompatible ferrofluid based on Fe ₃ O ₄ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 115104.	0.7	19
96	Higher burnout scores in paediatric residents are associated with increased brain activity during attentional functional magnetic resonance imaging task. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 705-713.	0.7	19
97	Coordinated brain development: exploring the synchrony between changes in grey and white matter during childhood maturation. <i>Brain Imaging and Behavior</i> , 2017, 11, 808-817.	1.1	19
98	Volume reduction of the corpus callosum and its relationship with deficits in interhemispheric transfer of information in recent-onset psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2010, 184, 1-9.	0.9	18
99	Pedunculopontine Nucleus Cholinergic Deficiency in Cervical Dystonia. <i>Movement Disorders</i> , 2018, 33, 827-834.	2.2	18
100	Cognitive and Brain Activity Changes After Mnemonic Strategy Training in Amnesic Mild Cognitive Impairment: Evidence From a Randomized Controlled Trial. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 342.	1.7	18
101	The accuracy of hippocampal volumetry and glucose metabolism for the diagnosis of patients with suspected Alzheimer's disease, using automatic quantitative clinical tools. <i>Medicine (United States)</i> , 2019, 98, e17824.	0.4	18
102	An fMRI normative database for connectivity networks using one-class support vector machines. <i>Human Brain Mapping</i> , 2009, 30, 1068-1076.	1.9	17
103	Brain Imaging Analysis Can Identify Participants under Regular Mental Training. <i>PLoS ONE</i> , 2012, 7, e39832.	1.1	17
104	Increased variability of motor cortical excitability to transcranial magnetic stimulation in migraine: a new clue to an old enigma. <i>Journal of Headache and Pain</i> , 2012, 13, 29-37.	2.5	17
105	An Image Correction Protocol to Reduce Distortion for 3-T Stereotactic MRI. <i>Neurosurgery</i> , 2014, 74, 121-127.	0.6	17
106	Multimodal Whole Brain Registration: MRI and High Resolution Histology. , 2016, , .		17
107	Deep learning for Alzheimer's disease: Mapping large-scale histological tau protein for neuroimaging biomarker validation. <i>NeuroImage</i> , 2022, 248, 118790.	2.1	17
108	DWT-CEM: an algorithm for scale-temporal clustering in fMRI. <i>Biological Cybernetics</i> , 2007, 97, 33-45.	0.6	16

#	ARTICLE	IF	CITATIONS
109	A normal life without muscle dystrophin. <i>Neuromuscular Disorders</i> , 2015, 25, 371-374.	0.3	16
110	Commentary: Functional connectome fingerprint: identifying individuals using patterns of brain connectivity. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 47.	1.0	16
111	Self-compassion is associated with less stress and depression and greater attention and brain response to affective stimuli in women managers. <i>BMC Women's Health</i> , 2018, 18, 195.	0.8	16
112	Preliminary functional magnetic resonance imaging Stroop task results before and after a Zen meditation retreat. <i>Psychiatry and Clinical Neurosciences</i> , 2008, 62, 366-366.	1.0	15
113	Brain regions supporting verbal memory improvement in healthy older subjects. <i>Arquivos De Neuro-Psiquiatria</i> , 2014, 72, 663-670.	0.3	15
114	The association of post-stroke anhedonia with salivary cortisol levels and stroke lesion in hippocampal/parahippocampal region. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 233.	1.0	15
115	Brain white matter microstructure in obese women with binge eating disorder. <i>European Eating Disorders Review</i> , 2020, 28, 525-535.	2.3	15
116	Microstates in complex and dynamical environments: Unraveling situational awareness in critical helicopter landing maneuvers. <i>Human Brain Mapping</i> , 2021, 42, 3168-3181.	1.9	15
117	Neural activity changes to emotional stimuli in healthy individuals under chronic use of clomipramine. <i>Journal of Psychopharmacology</i> , 2010, 24, 1165-1174.	2.0	14
118	SEVERITAS: An externally validated mortality prediction for critically ill patients in low and middle-income countries. <i>International Journal of Medical Informatics</i> , 2019, 131, 103959.	1.6	14
119	Evaluation of Glaucomatous Damage via Functional Magnetic Resonance Imaging, and Correlations Thereof with Anatomical and Psychophysical Ocular Findings. <i>PLoS ONE</i> , 2015, 10, e0126362.	1.1	14
120	Characterization of the Biocompatible Magnetic Colloid on the Basis of Fe₃O₄ Nanoparticles Coated with Dextran, Used as Contrast Agent in Magnetic Resonance Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4145-4153.	0.9	13
121	Cognitive control associated with irritability induction: an autobiographical recall fMRI study. <i>Revista Brasileira De Psiquiatria</i> , 2010, 32, 109-118.	0.9	13
122	Motor Readiness Increases Brain Connectivity Between Default-Mode Network and Motor Cortex: Impact on Sampling Resting Periods from fMRI Event-Related Studies. <i>Brain Connectivity</i> , 2015, 5, 631-640.	0.8	13
123	Connectome hubs at resting state in children and adolescents: Reproducibility and psychopathological correlation. <i>Developmental Cognitive Neuroscience</i> , 2016, 20, 2-11.	1.9	13
124	Association between abnormal brain functional connectivity in children and psychopathology: A study based on graph theory and machine learning. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 119-129.	1.3	13
125	Quantitative Dual-Energy Computed Tomography Predicts Regional Perfusion Heterogeneity in a Model of Acute Lung Injury. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 866-872.	0.5	13
126	In vitro study of CD133 human stem cells labeled with superparamagnetic iron oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 330-339.	1.7	12

#	ARTICLE	IF	CITATIONS
127	A systematic review of magnetic resonance imaging and spectroscopy in brain injury after drowning. <i>Brain Injury</i> , 2009, 23, 707-714.	0.6	12
128	Cortical Thickness Reduction of Normal Appearing Cortex in Patients with Polymicrogyria. <i>Journal of Neuroimaging</i> , 2010, 20, 46-52.	1.0	12
129	Training gains and transfer effects after mnemonic strategy training in mild cognitive impairment: A fMRI study. <i>International Journal of Psychophysiology</i> , 2020, 154, 15-26.	0.5	12
130	Complex slow potential generators in a simplified attention paradigm. <i>International Journal of Psychophysiology</i> , 2006, 61, 149-157.	0.5	11
131	Differences between postmortem computed tomography and conventional autopsy in a stabbing murder case. <i>Clinics</i> , 2014, 69, 683-687.	0.6	11
132	Subcortical neurodegeneration in chorea: Similarities and differences between chorea-acanthocytosis and Huntington's disease. <i>Parkinsonism and Related Disorders</i> , 2018, 49, 54-59.	1.1	11
133	Effects of the brain-derived neurotrophic factor variant Val66Met on cortical structure in late childhood and early adolescence. <i>Journal of Psychiatric Research</i> , 2018, 98, 51-58.	1.5	11
134	Ultrastructural characterization of CD133 ⁺ stem cells bound to superparamagnetic nanoparticles: possible biotechnological applications. <i>Journal of Microscopy</i> , 2008, 231, 374-383.	0.8	10
135	Wavelet correlation between subjects: A time-scale data driven analysis for brain mapping using fMRI. <i>Journal of Neuroscience Methods</i> , 2011, 194, 350-357.	1.3	10
136	Tumor growth analysis by magnetic resonance imaging of the C6 glioblastoma model with prospects for the assessment of magnetohyperthermia therapy. <i>Einstein (Sao Paulo, Brazil)</i> , 2012, 10, 11-15.	0.3	10
137	PET/MRI: a novel hybrid imaging technique. Major clinical indications and preliminary experience in Brazil. <i>Einstein (Sao Paulo, Brazil)</i> , 2017, 15, 115-118.	0.3	10
138	Impaired brain dopamine transporter in chemobrain patients submitted to brain SPECT imaging using the technetium-99m labeled tracer TRODAT-1. <i>Annals of Nuclear Medicine</i> , 2019, 33, 269-279.	1.2	10
139	Resting state functional connectivity and neural correlates of face-name encoding in patients with ischemic vascular lesions with and without the involvement of the left inferior frontal gyrus. <i>Cortex</i> , 2019, 113, 15-28.	1.1	10
140	Brain networks associated with anticipatory postural adjustments in Parkinson's disease patients with freezing of gait. <i>NeuroImage: Clinical</i> , 2020, 28, 102461.	1.4	10
141	Sensorimotor white matter projections and disease severity in primary Restless Legs Syndrome/Willis-Ekbom disease: a multimodal DTI analysis. <i>Sleep Medicine</i> , 2020, 73, 106-116.	0.8	10
142	Long-term stability of the cortical volumetric profile and the functional human connectome throughout childhood and adolescence. <i>European Journal of Neuroscience</i> , 2021, 54, 6187-6201.	1.2	10
143	The impact of functional connectivity changes on support vector machines mapping of fMRI data. <i>Journal of Neuroscience Methods</i> , 2008, 172, 94-104.	1.3	9
144	The Ultrastructural Study of Tumorigenic Cells Using Nanobiomarkers. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 289-298.	0.7	9

#	ARTICLE	IF	CITATIONS
145	Brain network dynamics characterization in epileptic seizures. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2933-2941.	1.2	9
146	Reduced Prefrontal Activation in Pediatric Patients With Obsessive-Compulsive Disorder During Verbal Episodic Memory Encoding. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 849-858.	0.3	9
147	Functional magnetic resonance imaging response as an early biomarker of cognitive decline in elderly patients with metabolic syndrome. <i>Archives of Gerontology and Geriatrics</i> , 2017, 73, 1-7.	1.4	9
148	Mind wandering and the attention network system. <i>Acta Psychologica</i> , 2017, 172, 49-54.	0.7	9
149	Functional resonance magnetic imaging (fMRI) in adolescents with idiopathic musculoskeletal pain: a paradigm of experimental pain. <i>Pediatric Rheumatology</i> , 2017, 15, 81.	0.9	9
150	Associations between children's family environment, spontaneous brain oscillations, and emotional and behavioral problems. <i>European Child and Adolescent Psychiatry</i> , 2019, 28, 835-845.	2.8	9
151	Epidemiological Analysis of Carotid Artery Stenosis Intervention during 10 Years in the Public Health System in the Largest City in Brazil: Stenting Has Been More Common than Endarterectomy. <i>Annals of Vascular Surgery</i> , 2020, 66, 378-384.	0.4	9
152	COVID-19 information exposure in digital media and implications for employees in the health care sector: findings from an online survey. <i>Einstein (Sao Paulo, Brazil)</i> , 2020, 18, eAO6127.	0.3	9
153	Galvanic vestibular stimulator for fMRI studies. <i>Revista Brasileira De Engenharia Biomedica</i> , 2014, 30, 70-82.	0.3	8
154	Predictive saccades in children and adults: A combined fMRI and eye tracking study. <i>PLoS ONE</i> , 2018, 13, e0196000.	1.1	8
155	Analysis of fractional anisotropy and mean diffusivity in refractory and non-refractory idiopathic generalized epilepsies. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 62, 33-37.	0.9	8
156	Intervention Models in Functional Connectivity Identification Applied to fMRI. <i>International Journal of Biomedical Imaging</i> , 2006, 2006, 1-7.	3.0	7
157	Latin American Brain Mapping Network (LABMAN). <i>NeuroImage</i> , 2009, 47, 312-313.	2.1	7
158	Characterization of Adherent Umbilical Cord Blood Stromal Cells Regarding Passage, Cell Number, and Nano-biomarking Utilization. <i>Cellular Reprogramming</i> , 2010, 12, 391-403.	0.5	7
159	Healthy individuals treated with clomipramine: an fMRI study of brain activity during autobiographical recall of emotions. <i>Translational Psychiatry</i> , 2014, 4, e405-e405.	2.4	7
160	Brain injury after moderate drowning: subtle alterations detected by functional magnetic resonance imaging. <i>Brain Imaging and Behavior</i> , 2017, 11, 1412-1421.	1.1	7
161	Low frequency fluctuation of brain spontaneous activity and obsessive-compulsive symptoms in a large school-age sample. <i>Journal of Psychiatric Research</i> , 2018, 96, 224-230.	1.5	7
162	Posterior cingulate cortex/precuneus blood oxygen-level dependent signal changes during the repetition of an attention task in meditators and nonmeditators. <i>NeuroReport</i> , 2018, 29, 1463-1467.	0.6	7

#	ARTICLE	IF	CITATIONS
163	Epilepsy under the scope of ultra-high field MRI. <i>Epilepsy and Behavior</i> , 2021, 121, 106366.	0.9	7
164	Quality of life is related to the functional connectivity of the default mode network at rest. <i>Brain Imaging and Behavior</i> , 2019, 13, 1418-1426.	1.1	7
165	Improving Spatial Normalization of Brain Diffusion MRI to Measure Longitudinal Changes of Tissue Microstructure in the Cortex and White Matter. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 766-775.	1.9	7
166	Cerebral Responses to Stationary Emotional Stimuli Measured by fMRI in Women with Persistent Postural-Perceptual Dizziness. <i>International Archives of Otorhinolaryngology</i> , 2021, 25, e355-e364.	0.3	7
167	Global efficiency of the motor network is decreased in Parkinson's disease in comparison with essential tremor and healthy controls. <i>Brain and Behavior</i> , 2021, 11, e02178.	1.0	7
168	Task-related brain activity and functional connectivity in upper limb dystonia: a functional magnetic resonance imaging (fMRI) and functional near-infrared spectroscopy (fNIRS) study. <i>Neurophotonics</i> , 2020, 7, 045004.	1.7	7
169	Onset of Cognitive Dysfunction in Systemic Lupus Erythematosus and Selective Involvement of the Choroid Plexus: Figure 1.. <i>Journal of Rheumatology</i> , 2009, 36, 2554-2555.	1.0	6
170	Migraine and motion sickness independently contribute to visual discomfort. <i>Cephalalgia</i> , 2010, 30, 161-169.	1.8	6
171	Particokinetics: computational analysis of the superparamagnetic iron oxide nanoparticles deposition process. <i>International Journal of Nanomedicine</i> , 2012, 7, 2699.	3.3	6
172	Testâ€“retest reliability of fMRI activation generated by different saccade tasks. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 37-46.	1.9	6
173	Children with Poor Reading Skills at the Word Level Show Reduced Fractional Anisotropy in White Matter Tracts of Both Hemispheres. <i>Brain Connectivity</i> , 2016, 6, 519-523.	0.8	6
174	How doctors diagnose diseases and prescribe treatments: an fMRI study of diagnostic salience. <i>Scientific Reports</i> , 2017, 7, 1304.	1.6	6
175	Differences in Default Mode Network Connectivity in Meditators and Non-meditators During an Attention Task. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2017, 1, 228-234.	0.8	6
176	Fluid-Attenuated Inversion Recovery Vascular Hyperintensities in Patients with Transient Ischemic Attack. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2412-2415.	0.7	6
177	Cognition and brain function in elderly Tai Chi practitioners: A case-control study. <i>Explore: the Journal of Science and Healing</i> , 2018, 14, 352-356.	0.4	6
178	Association Between Fractional Amplitude of Low-Frequency Spontaneous Fluctuation and Degree Centrality in Children and Adolescents. <i>Brain Connectivity</i> , 2019, 9, 379-387.	0.8	6
179	Safety of cathodal transcranial direct current stimulation early after ischemic stroke. <i>Brain Stimulation</i> , 2019, 12, 374-376.	0.7	6
180	Structural Analysis of Glaucoma Brain and its Association With Ocular Parameters. <i>Journal of Glaucoma</i> , 2020, 29, 393-400.	0.8	6

#	ARTICLE	IF	CITATIONS
181	Is the relationship between mind wandering and attention culture-specific?. Psychology and Neuroscience, 2017, 10, 132-143.	0.5	6
182	Visual losses in early-onset and late-onset Parkinson's disease. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, A285.	0.8	6
183	Quantitative evaluation of brain volume among elderly individuals in São Paulo, Brazil: a population-based study. Radiologia Brasileira, 2019, 52, 293-298.	0.3	6
184	Ultrasonography and magnetic resonance imaging of elbow ligaments: a comparative study. Einstein (Sao Paulo, Brazil), 2019, 17, eAO4579.	0.3	6
185	Videodefecografia: aspectos técnicos atuais. Radiologia Brasileira, 2004, 37, 283-285.	0.3	5
186	Neuroimaging Data From a Single Participant Before and After a Meditation Retreat: a Proof of Concept Study. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2017, 1, 235-241.	0.8	5
187	First Brazilian datathon in critical care. Revista Brasileira De Terapia Intensiva, 2018, 30, 6-8.	0.1	5
188	Short-interval intracortical inhibition is decreased in restless legs syndrome across a range of severity. Sleep Medicine, 2019, 62, 34-42.	0.8	5
189	Behavioral and Neural Correlates of Cognitive Training and Transfer Effects in Stroke Patients. Frontiers in Neurology, 2020, 11, 1048.	1.1	5
190	Chronic low back pain and sick-leave: a functional magnetic resonance study. Advances in Rheumatology, 2020, 60, 46.	0.8	5
191	Engagement of Language and Domain General Networks during Word Monitoring in a Native and Unknown Language. Brain Sciences, 2021, 11, 1063.	1.1	5
192	Quantitative assessment of pilot-endured workloads during helicopter flying emergencies: an analysis of physiological parameters during an autorotation. Scientific Reports, 2021, 11, 17734.	1.6	5
193	Magnetohyperthermia for treatment of gliomas: experimental and clinical studies. Einstein (Sao Paulo,) Tj ETQq1 1 0.784314rgBT /Ov 0.3	0.3	5
194	Characterization of Superparamagnetic Iron Oxide Coated with Silicone Used as Contrast Agent for Magnetic Resonance Image for the Gastrointestinal Tract. Journal of Nanoscience and Nanotechnology, 2010, 10, 1153-1158.	0.9	4
195	Executive function and depressive symptoms of retardation in nonelderly stroke patients. Journal of Clinical and Experimental Neuropsychology, 2014, 36, 636-647.	0.8	4
196	Local dimension-reduced dynamical spatio-temporal models for resting state network estimation. Brain Informatics, 2015, 2, 53-63.	1.8	4
197	Interictal abnormal fMRI activation of visual areas during a motor task cued by visual stimuli in migraine. Einstein (Sao Paulo, Brazil), 2017, 15, 17-23.	0.3	4
198	Magnetic Resonance Imaging for Glaucoma Evaluation. Journal of Glaucoma, 2020, 29, 622-626.	0.8	4

#	ARTICLE	IF	CITATIONS
199	Prefrontal resting-state connectivity and antidepressant response: no associations in the ELECT-TDCS trial. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 123-134.	1.8	4
200	Lower Limb Revascularization for Peripheral Arterial Disease in 10,951 Procedures over 11 years in a Public Health System: A Descriptive Analysis of the Largest Brazilian City. <i>Annals of Vascular Surgery</i> , 2021, 70, 223-229.	0.4	4
201	Can news with positive or negative content affect and a relaxation pause improve the emotional state of health care professionals? A randomized online experiment during COVID-19 pandemic. <i>Internet Interventions</i> , 2021, 26, 100441.	1.4	4
202	Performance assessment of the single photon emission microscope: high spatial resolution SPECT imaging of small animal organs. <i>Brazilian Journal of Medical and Biological Research</i> , 2013, 46, 936-942.	0.7	4
203	Reproducibility of human brain activity following repeated oesophageal stimulation. <i>Gastroenterology</i> , 2003, 124, A671.	0.6	3
204	Modulation of cerebral haemodynamic response to olfactory stimuli by emotional valence detected by functional magnetic resonance imaging. <i>Dementia E Neuropsychologia</i> , 2015, 9, 405-412.	0.3	3
205	The Neurobiology of Zika Virus: New Models, New Challenges. <i>Frontiers in Neuroscience</i> , 2021, 15, 654078.	1.4	3
206	Epidemiological Analysis of 37,424 Carotid Artery Stenosis Intervention Procedures During 11 Years in the Public Health System in Brazil: Stenting has Been More Common Than Endarterectomy. <i>Annals of Vascular Surgery</i> , 2021, 76, 269-275.	0.4	3
207	Epidemiological Analysis of 5,595 Procedures of Endovascular Correction of Isolated Descending Thoracic Aortic Disease Over 12 Years in the Public Health System in Brazil. <i>Clinics</i> , 2021, 76, e2890.	0.6	3
208	Computerized videodefecography versus defecography: do we need radiographs?. <i>Sao Paulo Medical Journal</i> , 2005, 123, 105-107.	0.4	3
209	COVID-19 news valence effects on emotion and its modulation by a relaxation: A randomized online experiment during COVID-19 pandemic. <i>Internet Interventions</i> , 2021, 26, 100472.	1.4	3
210	Virtual Rehabilitation in Parkinson Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, 359-366.	0.7	3
211	Dementia in Fragile X-associated Tremor/Ataxia Syndrome. <i>Dementia E Neuropsychologia</i> , 2010, 4, 79-83.	0.3	2
212	FUNCTIONAL DISCONNECTIVITY AND FORMAL THOUGHT DISORDER IN SCHIZOPHRENIA: INTEGRATING CLINICAL, NEUROPSYCHOLOGICAL, NEUROIMAGING AND FUNCTIONAL CONNECTIVITY DATA. <i>Schizophrenia Research</i> , 2010, 117, 232-233.	1.1	2
213	Local Sparse Component Analysis for Blind Source Separation: An application to resting state fMRI. , 2014, 2014, 5611-4.		2
214	Cognitive performance in transient global hypoxic brain injury due to moderate drowning. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2018, 40, 462-472.	0.8	2
215	Synchronization structure of evolving epileptic networks using cross-entropy. <i>European Physical Journal: Special Topics</i> , 2018, 227, 883-893.	1.2	2
216	Connective Core Structures in Cognitive Networks: the Role of Hubs. <i>Entropy</i> , 2019, 21, 961.	1.1	2

#	ARTICLE	IF	CITATIONS
217	Mnemonic strategy training modulates functional connectivity at rest in mild cognitive impairment: Results from a randomized controlled trial. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12075.	1.8	2
218	Endovascular correction of isolated descending thoracic aortic disease: a descriptive analysis of 1,344 procedures over 10 years in the public health system of SÃ£o Paulo. <i>Clinics</i> , 2021, 76, e2332.	0.6	2
219	Comparative Analysis of Artery Anatomy Evaluated by Postmortem Tomography, CT Angiography, and Postmortem and Predeath CT Scans. <i>Annals of Vascular Surgery</i> , 2021, 72, 124-137.	0.4	2
220	Communication Intervention Using Digital Technology to Facilitate Informed Choices at Childbirth in the Context of the COVID-19 Pandemic: Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2021, 10, e25016.	0.5	2
221	Epidemiological analysis of 556 procedures of open thoracoabdominal aortic aneurysm repair in the Public Health System in the largest Brazilian city. <i>Einstein (Sao Paulo, Brazil)</i> , 2022, 20, eAO6724.	0.3	2
222	Epidemiology of Abdominal Aortic Aneurysm Repair in Brazil from 2008 to 2019 and Comprehensive Review of Nationwide Statistics Across the World. <i>World Journal of Surgery</i> , 2022, 46, 1485-1492.	0.8	2
223	A comparison of two methodologies for overt fMRI tasks for use in the study of schizophrenia. <i>Schizophrenia Research</i> , 2000, 41, 54-55.	1.1	1
224	fMRI findings in AVM. <i>NeuroImage</i> , 2001, 13, 788.	2.1	1
225	Decision theory applied to image quality control in radiology. <i>BMC Medical Informatics and Decision Making</i> , 2008, 8, 51.	1.5	1
226	Quantitative ferromagnetic resonance analysis of ^{133}CD stem cells labeled with iron oxide nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 204150.	0.7	1
227	IC-P-206: AGE-RELATED FUNCTIONAL CONNECTIVITY CHANGES: VARIATIONS IN MAGNITUDE AND SHIFTS FROM NEGATIVE TO POSITIVE CORRELATIONS. , 2014, 10, P112-P113.		1
228	White matter hyperintensities analysis by diffusion tensor images obtained from postmortem in cranium whole brain tissue. <i>Journal of Forensic Radiology and Imaging</i> , 2016, 6, 21-27.	1.2	1
229	The effects of perceived chronic stress on the fMRI correlates of attentional control in women managers. <i>Archives of Women's Mental Health</i> , 2019, 22, 375-381.	1.2	1
230	Covid-19 telescreening in SUS users with risk conditions. <i>Revista De Saude Publica</i> , 2020, 54, 101.	0.7	1
231	FC12.06 Alien voices: Does dysfunctional self-monitoring explain auditory hallucinations in schizophrenia?. <i>European Psychiatry</i> , 2000, 15, 306s-307s.	0.1	0
232	Visual pattern responses in migraine with and without motion sickness - A response. <i>Cephalalgia</i> , 2010, 30, 1538-1539.	1.8	0
233	Nonlinear estimation of neural processing time from BOLD signal with application to decision-making. <i>Human Brain Mapping</i> , 2012, 33, 334-348.	1.9	0
234	P.4.5 Muscle NMR imaging in the rare E650K mutation in the DNM2 gene in a centronuclear myopathy patient. <i>Neuromuscular Disorders</i> , 2013, 23, 761.	0.3	0

#	ARTICLE	IF	CITATIONS
235	P3-197: AGE-RELATED FUNCTIONAL CONNECTIVITY CHANGES: VARIATIONS IN MAGNITUDE AND SHIFTS FROM NEGATIVE TO POSITIVE CORRELATIONS. , 2014, 10, P702-P702.		0
236	Independent component versus Local Sparse Component Analysis in resting state fMRI. , 2015, 2015, 1817-20.		0
237	S109. Antidepressant Effects of TDCS are Associated With Prefrontal Grey Matter Volumes at Baseline: Evidence From the ELECT-tDCS Trial. Biological Psychiatry, 2019, 85, S339-S340.	0.7	0
238	Distortion Correction Protocol for 3T Stereotactic Magnetic Resonance Imaging: A Clinical Study. World Neurosurgery, 2019, 122, e690-e699.	0.7	0
239	Mnemonic strategic training increases functional connectivity in amnesic mild cognitive impairment: Results from a randomized controlled trial. Alzheimer's and Dementia, 2020, 16, e037260.	0.4	0
240	Magnetic Resonance Imaging (MRI) in the Evaluation of Iron Overload in Patients with Beta Thalassaemia. The Brazilian National Program Preliminary Results.. Blood, 2005, 106, 3825-3825.	0.6	0
241	Psychophysical and fMRI Assessment of Magnocellular and Parvocellular Responses in Patients with Parkinson's Disease. Journal of Vision, 2018, 18, 34.	0.1	0
242	Ressonância Magnética Funcional em Epilepsia. Revista Neurociencias, 2002, 10, 99-104.	0.0	0
243	A cluster based model for brain activity data staging. Biomedical Signal Processing and Control, 2022, 71, 103200.	3.5	0
244	Combining neuropsychological tests to improve the assessment of arithmetic difficulties in children with ADHD. Arquivos De Neuro-Psiquiatria, 2020, 78, 193-198.	0.3	0
245	Effects of Repetitive Peripheral Sensory Stimulation in the Subacute and Chronic Phases After Stroke: Study Protocol for a Pilot Randomized Trial. Frontiers in Neurology, 2022, 13, 779128.	1.1	0
246	Nationwide Cross-Sectional Epidemiological Analysis of 3,306 Lower Limb Peripheral Aneurysm Repairs in Brazilian Public Hospitals Between 2008 and 2019: Trends, Mortality and Costs. Annals of Vascular Surgery, 2022, , .	0.4	0
247	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
248	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
249	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
250	GeoSES: A socioeconomic index for health and social research in Brazil. , 2020, 15, e0232074.		0
251	Temporal trends in vena cava filter implantation in public health system inpatients: an 11-year analysis of the largest city in Brazil. Jornal Vascular Brasileiro, 2022, 21, e20210186.	0.1	0