

Juan

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,846
citations

257450

24
h-index

289244

40
g-index

85
all docs

85
docs citations

85
times ranked

3340
citing authors

#	ARTICLE	IF	CITATIONS
1	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. <i>Neuroradiology</i> , 2015, 57, 1181-1202.	2.2	216
2	Brain structural changes in essential tremor: Voxel-based morphometry at 3-Tesla. <i>Journal of the Neurological Sciences</i> , 2009, 287, 138-142.	0.6	153
3	Fast Patch-Based Pseudo-CT Synthesis from T1-Weighted MR Images for PET/MR Attenuation Correction in Brain Studies. <i>Journal of Nuclear Medicine</i> , 2016, 57, 136-143.	5.0	72
4	Multimodal description of whole brain connectivity: A comparison of resting state MEG, fMRI, and DWI. <i>Human Brain Mapping</i> , 2016, 37, 20-34.	3.6	68
5	Accessible smartphones for blind users: A case study for a wayfinding system. <i>Expert Systems With Applications</i> , 2014, 41, 7210-7222.	7.6	65
6	Brain activation in discourse comprehension: A 3t fMRI study. <i>NeuroImage</i> , 2008, 41, 614-622.	4.2	64
7	Altered Functional Connectivity in Essential Tremor. <i>Medicine (United States)</i> , 2015, 94, e1936.	1.0	63
8	Higher Glutamate to Glutamine Ratios in Occipital Regions in Women With Migraine During the Interictal State. <i>Headache</i> , 2013, 53, 365-375.	3.9	58
9	Wireless Sensor Networks for Conservation and Monitoring Cultural Assets. <i>IEEE Sensors Journal</i> , 2011, 11, 1382-1389.	4.7	56
10	Parallel transmit pulse design for patients with deep brain stimulation implants. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1896-1903.	3.0	56
11	Rician noise attenuation in the wavelet packet transformed domain for brain MRI. <i>Integrated Computer-Aided Engineering</i> , 2014, 21, 163-175.	4.6	48
12	GAT: Platform for automatic context-aware mobile services for m-tourism. <i>Expert Systems With Applications</i> , 2013, 40, 4154-4163.	7.6	44
13	Different gray matter patterns in chronic schizophrenia and chronic bipolar disorder patients identified using voxel-based morphometry. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 313-322.	3.2	42
14	Changes in resting-state functionally connected parietofrontal networks after videogame practice. <i>Human Brain Mapping</i> , 2013, 34, 3143-3157.	3.6	41
15	ASAP (Automatic Software for ASL Processing): A toolbox for processing Arterial Spin Labeling images. <i>Magnetic Resonance Imaging</i> , 2016, 34, 334-344.	1.8	40
16	An Embedded Systems Course for Engineering Students Using Open-Source Platforms in Wireless Scenarios. <i>IEEE Transactions on Education</i> , 2016, 59, 248-254.	2.4	39
17	Beauty and ugliness in the bodies and faces of others: An fMRI study of person esthetic judgement. <i>Neuroscience</i> , 2014, 277, 486-497.	2.3	37
18	Structural changes after videogame practice related to a brain network associated with intelligence. <i>Intelligence</i> , 2012, 40, 479-489.	3.0	35

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19	Partial volume correction in arterial spin labeling perfusion MRI: A method to disentangle anatomy from physiology or an analysis step too far?. <i>NeuroImage</i> , 2021, 238, 118236.	4.2	33
20	Classification of mild cognitive impairment and Alzheimer's Disease with machine-learning techniques using 1H Magnetic Resonance Spectroscopy data. <i>Expert Systems With Applications</i> , 2015, 42, 6205-6214.	7.6	32
21	Clinical and Anatomical Correlates of Gait Dysfunction in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 33, 495-505.	2.6	31
22	Clinical Performance and Future Potential of Magnetic Resonance Thermometry in Hyperthermia. <i>Cancers</i> , 2021, 13, 31.	3.7	31
23	A Reconfigurable, Wearable, Wireless ECG System. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1659-62.	0.5	30
24	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 181.	3.4	28
25	Structural correlates of apathy in Alzheimer's disease: a multimodal MRI study. <i>International Journal of Geriatric Psychiatry</i> , 2017, 32, 922-930.	2.7	27
26	SAR reduction in 7T spine imaging using a "dark modes" transmit array strategy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1533-1539.	3.0	26
27	Optimized voxel brain morphometry: association between brain volumes and the response to atypical antipsychotics. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 407-416.	3.2	24
28	White Matter Damage Disorganizes Brain Functional Networks in Amnesic Mild Cognitive Impairment. <i>Brain Connectivity</i> , 2014, 4, 312-322.	1.7	23
29	White matter microstructural changes are related to cognitive dysfunction in essential tremor. <i>Scientific Reports</i> , 2017, 7, 2978.	3.3	23
30	Refining memory assessment of elderly people with cognitive impairment: Insights from the short-term memory binding test. <i>Archives of Gerontology and Geriatrics</i> , 2019, 83, 114-120.	3.0	23
31	Gray Matter Involvement in Radiologically Isolated Syndrome. <i>Medicine (United States)</i> , 2016, 95, e3208.	1.0	22
32	Multi-atlas and label fusion approach for patient-specific MRI based skull estimation. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1797-1807.	3.0	21
33	Resting state functional MRI reveals abnormal network connectivity in orthostatic tremor. <i>Medicine (United States)</i> , 2016, 95, e4310.	1.0	18
34	Objective Assessment of Olfactory Function Using Functional Magnetic Resonance Imaging (fMRI). <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010, 59, 2602-2608.	4.7	16
35	Grapheme-color synesthetes show peculiarities in their emotional brain: cortical and subcortical evidence from VBM analysis of 3D-T1 and DTI data. <i>Experimental Brain Research</i> , 2013, 227, 343-353.	1.5	15
36	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. <i>Neuroradiology</i> , 2021, 63, 1831-1851.	2.2	15

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37	The influence of the COMT genotype in the underlying functional brain activity of context processing in schizophrenia and in relatives. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 71, 176-182.	4.8	14
38	Mapping tumour heterogeneity with pulsed 3D CEST MRI in non-enhancing glioma at 3ÅT. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 53-62.	2.0	13
39	In vivo neurometabolic profiling in orthostatic tremor. <i>Medicine (United States)</i> , 2016, 95, e4848.	1.0	12
40	Normal-appearing brain tissue analysis in radiologically isolated syndrome using 3 T MRI. <i>Medicine (United States)</i> , 2016, 95, e4101.	1.0	11
41	Diagnosis of brain tumours from magnetic resonance spectroscopy using wavelets and Neural Networks. , 2010, 2010, 6074-7.		10
42	Gradient induced artifacts in simultaneous EEG-fMRI: Effect of synchronization on spiral and EPI k-space trajectories. <i>Magnetic Resonance Imaging</i> , 2014, 32, 684-692.	1.8	9
43	The Partial Volume Effect in the Quantification of 1H Magnetic Resonance Spectroscopy in Alzheimer's Disease and Aging. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 801-811.	2.6	8
44	Disparate Connectivity for Structural and Functional Networks is Revealed When Physical Location of the Connected Nodes is Considered. <i>Brain Topography</i> , 2015, 28, 187-196.	1.8	8
45	Altered brain rhythms and functional network disruptions involved in patients with generalized fixation-off epilepsy. <i>Brain Imaging and Behavior</i> , 2016, 10, 373-386.	2.1	8
46	Machine Learning and Social Network Analysis Applied to Alzheimer's Disease Biomarkers. <i>Current Topics in Medicinal Chemistry</i> , 2013, 13, 652-662.	2.1	8
47	Cerebral volumes, neuronal integrity and brain inflammation measured by MRI in patients receiving PI monotherapy or triple therapy. <i>Journal of the International AIDS Society</i> , 2014, 17, 19578.	3.0	7
48	An optimal acquisition and postâ€­processing pipeline for hybrid IVIMâ€­DKI in head and neck. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 777-789.	3.0	7
49	3D APT and NOE CEST-MRI of healthy volunteers and patients with non-enhancing glioma at 3ÅT. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 63-73.	2.0	7
50	K-space trajectories in 3D-GRASE sequence for high resolution structural imaging. <i>Magnetic Resonance Imaging</i> , 2018, 48, 10-19.	1.8	6
51	Technical challenges of quantitative chest MRI data analysis in a large cohort pediatric study. <i>European Radiology</i> , 2019, 29, 2770-2782.	4.5	6
52	Accuracy and repeatability of QRAPMASTER and MRF-vFA. <i>Magnetic Resonance Imaging</i> , 2021, 83, 196-207.	1.8	6
53	Changing communications within hospital and home health care. , 2012, 2012, 6074-7.		5
54	An embedded system course using JavaME and android. <i>Computer Applications in Engineering Education</i> , 2015, 23, 294-303.	3.4	5

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55	Relationship between episodic memory and volume of the brain regions of two functional cortical memory systems in multiple sclerosis. <i>Journal of Neurology</i> , 2018, 265, 2182-2189.	3.6	5
56	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. , 2015, 2015, 7308-11.		4
57	Effect of Water T2 Shortening in the Quantification of in vitro Proton MR Spectroscopy. <i>Journal of Neuroimaging</i> , 2016, 26, 58-61.	2.0	4
58	Sex Differences in the Olfactory System: a Functional MRI Study. <i>Chemosensory Perception</i> , 2019, 12, 50-58.	1.2	4
59	Objective Assessment of a New Olfactory Rehabilitation Approach in Adults with Olfactory Impairments Using Functional Magnetic Resonance (fMRI). <i>Biosystems and Biorobotics</i> , 2013, , 381-384.	0.3	3
60	Computer-Vision Techniques for Water-Fat Separation in Ultra High-Field MRI Local Specific Absorption Rate Estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 768-774.	4.2	3
61	Dual-Function MR-Guided Hyperthermia: An Innovative Integrated Approach and Experimental Demonstration of Proof of Principle. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 712-717.	4.2	3
62	Predicting conversion to multiple sclerosis by assessing cognitive impairment in radiologically isolated syndrome. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 49, 102749.	2.0	3
63	From signal-based to comprehensive magnetic resonance imaging. <i>Scientific Reports</i> , 2021, 11, 17216.	3.3	3
64	Experimental Validation of the MRcollar: An MR Compatible Applicator for Deep Heating in the Head and Neck Region. <i>Cancers</i> , 2021, 13, 5617.	3.7	3
65	Dependency of R ₂ and R ₂ * relaxation on Gd-DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. <i>NMR in Biomedicine</i> , 2021, , e4653.	2.8	3
66	Time efficiency analysis for undersampled quantitative MRI acquisitions. <i>Medical Image Analysis</i> , 2022, 78, 102390.	11.6	3
67	MR imaging for the quantitative assessment of brain iron in aceruloplasminemia: A postmortem validation study. <i>NeuroImage</i> , 2021, 245, 118752.	4.2	3
68	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P363.	3.3	2
69	Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models. , 2015, 47, 205-211.		2
70	A new open-source technological system for real-time assessment in the classroom. <i>Computer Applications in Engineering Education</i> , 2015, 23, 412-421.	3.4	2
71	Influence of the BSD-2000 3D/MR hyperthermia applicator on MR Image Quality: A Quantitative Assessment. , 2020, , .		2
72	Novel Applications for M-Health and Free Messaging. <i>IEEE Pervasive Computing</i> , 2012, 11, 74-75.	1.3	1

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73	Autocalibrated parallel imaging reconstruction with sampling pattern optimization for GRASE: APIR4GRASE. <i>Magnetic Resonance Imaging</i> , 2020, 66, 141-151.	1.8	1
74	APIR4EMC: Autocalibrated parallel imaging reconstruction for extended multi-contrast imaging. <i>Magnetic Resonance Imaging</i> , 2021, 78, 80-89.	1.8	1
75	The Effect of the Normalization Strategy on Voxel-Based Analysis of DTI Images: A Pattern Recognition Based Assessment. <i>Lecture Notes in Computer Science</i> , 2010, , 78-88.	1.3	1
76	Automatic assessment system for large groups using Information and Communication Technologies. , 2012, , .		0
77	Fast pseudo-CT synthesis from MRI T1-weighted images using a patch-based approach. , 2015, , .		0
78	The Effect of Mouth Motion on the Attenuation Correction in Neurological PET Studies. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2015, , 63-69.	0.5	0
79	Predicting Very Early Stage Mild Cognitive Impairment Based on a Voxel-wise Arterial Spin Labeling Analysis. <i>Lecture Notes in Computer Science</i> , 2014, , 714-721.	1.3	0
80	A Modular Architecture for Navigation Applications Based on Differential GPS. <i>Advances in Soft Computing</i> , 0, , 521-525.	0.4	0
81	The COMPLETE trial: Holistic early response assessment for oropharyngeal cancer patients; Protocol for an observational study. <i>BMJ Open</i> , 2022, 12, e059345.	1.9	0