

Juan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,307
citations

21
h-index

34
g-index

85
ext. papers

1,595
ext. citations

3.8
avg, IF

4.36
L-index

#	Paper	IF	Citations
80	3D APT and NOE CEST-MRI of healthy volunteers and patients with non-enhancing glioma at 3T.. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022 , 1	2.8	1
79	Time efficiency analysis for undersampled quantitative MRI acquisitions.. <i>Medical Image Analysis</i> , 2022 , 78, 102390	15.4	0
78	The COMPLETE trial: Holistic early response assessment for oropharyngeal cancer patients; Protocol for an observational study.. <i>BMJ Open</i> , 2022 , 12, e059345	3	
77	Experimental Validation of the MRcollar: An MR Compatible Applicator for Deep Heating in the Head and Neck Region. <i>Cancers</i> , 2021 , 13,	6.6	2
76	Dependency of R and R * relaxation on Gd-DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. <i>NMR in Biomedicine</i> , 2021 , e4653	4.4	
75	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. <i>Neuroradiology</i> , 2021 , 63, 1831-1851	3.2	2
74	Predicting conversion to multiple sclerosis by assessing cognitive impairment in radiologically isolated syndrome. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 49, 102749	4	
73	APIR4EMC: Autocalibrated parallel imaging reconstruction for extended multi-contrast imaging. <i>Magnetic Resonance Imaging</i> , 2021 , 78, 80-89	3.3	0
72	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	5	2
71	An optimal acquisition and post-processing pipeline for hybrid IVIM-DKI in head and neck. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 777-789	4.4	3
70	Mapping tumour heterogeneity with pulsed 3D CEST MRI in non-enhancing glioma at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 1	2.8	4
69	From signal-based to comprehensive magnetic resonance imaging. <i>Scientific Reports</i> , 2021 , 11, 17216	4.9	0
68	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	7.9	5
67	Accuracy and repeatability of QRAPMASTER and MRF-vFA. <i>Magnetic Resonance Imaging</i> , 2021 , 83, 196-207	3.3	1
66	MR imaging for the quantitative assessment of brain iron in aceruloplasminemia: A postmortem validation study. <i>NeuroImage</i> , 2021 , 245, 118752	7.9	1
65	Clinical Performance and Future Potential of Magnetic Resonance Thermometry in Hyperthermia. <i>Cancers</i> , 2020 , 13,	6.6	16
64	Autocalibrated parallel imaging reconstruction with sampling pattern optimization for GRASE: APIR4GRASE. <i>Magnetic Resonance Imaging</i> , 2020 , 66, 141-151	3.3	1

63	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	4	13
62	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	5	2
61	Technical challenges of quantitative chest MRI data analysis in a large cohort pediatric study. <i>European Radiology</i> , 2019 , 29, 2770-2782	8	4
60	Sex Differences in the Olfactory System: a Functional MRI Study. <i>Chemosensory Perception</i> , 2019 , 12, 50-58	1.2	2
59	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	5.5	3
58	K-space trajectories in 3D-GRASE sequence for high resolution structural imaging. <i>Magnetic Resonance Imaging</i> , 2018 , 48, 10-19	3.3	4
57	White matter microstructural changes are related to cognitive dysfunction in essential tremor. <i>Scientific Reports</i> , 2017 , 7, 2978	4.9	19
56	Structural correlates of apathy in Alzheimer's disease: a multimodal MRI study. <i>International Journal of Geriatric Psychiatry</i> , 2017 , 32, 922-930	3.9	21
55	Influence of Anisotropic Blood Vessels Modeling on EEG Source Localization. <i>Lecture Notes in Computer Science</i> , 2017 , 384-393	0.9	
54	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, 176-82	5.5	11
53	Resting state functional MRI reveals abnormal network connectivity in orthostatic tremor. <i>Medicine (United States)</i> , 2016 , 95, e4310	1.8	15
52	Normal-appearing brain tissue analysis in radiologically isolated syndrome using 3 T MRI. <i>Medicine (United States)</i> , 2016 , 95, e4101	1.8	7
51	In vivo neurometabolic profiling in orthostatic tremor. <i>Medicine (United States)</i> , 2016 , 95, e4848	1.8	11
50	Altered brain rhythms and functional network disruptions involved in patients with generalized fixation-off epilepsy. <i>Brain Imaging and Behavior</i> , 2016 , 10, 373-86	4.1	5
49	Multimodal description of whole brain connectivity: A comparison of resting state MEG, fMRI, and DWI. <i>Human Brain Mapping</i> , 2016 , 37, 20-34	5.9	44
48	An Embedded Systems Course for Engineering Students Using Open-Source Platforms in Wireless Scenarios. <i>IEEE Transactions on Education</i> , 2016 , 59, 248-254	2.1	20
47	ASAP (Automatic Software for ASL Processing): A toolbox for processing Arterial Spin Labeling images. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 334-44	3.3	28
46	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, 136-43	8.9	59

45	Multi-atlas and label fusion approach for patient-specific MRI based skull estimation. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1797-807	4.4	15
44	Gray Matter Involvement in Radiologically Isolated Syndrome. <i>Medicine (United States)</i> , 2016 , 95, e3208	1.8	14
43	Effect of Water T2 Shortening in the Quantification of in-vitro Proton MR Spectroscopy. <i>Journal of Neuroimaging</i> , 2016 , 26, 58-61	2.8	4
42	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	0.3	
41	Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models 2015 , 47, 205-211		2
40	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	7.8	24
39	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. <i>Neuroradiology</i> , 2015 , 57, 1181-1202	15.2	148
38	Parallel transmit pulse design for patients with deep brain stimulation implants. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1896-903	4.4	45
37	A new open-source technological system for real-time assessment in the classroom. <i>Computer Applications in Engineering Education</i> , 2015 , 23, 412-421	1.6	2
36	SAR reduction in 7T C-spine imaging using a "dark modes" transmit array strategy. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1533-9	4.4	22
35	Altered Functional Connectivity in Essential Tremor: A Resting-State fMRI Study. <i>Medicine (United States)</i> , 2015 , 94, e1936	1.8	39
34	An embedded system course using JavaME and android. <i>Computer Applications in Engineering Education</i> , 2015 , 23, 294-303	1.6	3
33	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 181	5.3	17
32	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7308-11	0.9	3
31	Disparate connectivity for structural and functional networks is revealed when physical location of the connected nodes is considered. <i>Brain Topography</i> , 2015 , 28, 187-96	4.3	5
30	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16,	6.9	2
29	Beauty and ugliness in the bodies and faces of others: an fMRI study of person esthetic judgement. <i>Neuroscience</i> , 2014 , 277, 486-97	3.9	28
28	Rician noise attenuation in the wavelet packet transformed domain for brain MRI. <i>Integrated Computer-Aided Engineering</i> , 2014 , 21, 163-175	5.2	38

27	Gradient induced artifacts in simultaneous EEG-fMRI: Effect of synchronization on spiral and EPI k-space trajectories. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 684-92	3.3	8
26	White matter damage disorganizes brain functional networks in amnesic mild cognitive impairment. <i>Brain Connectivity</i> , 2014 , 4, 312-22	2.7	19
25	Accessible smartphones for blind users: A case study for a wayfinding system. <i>Expert Systems With Applications</i> , 2014 , 41, 7210-7222	7.8	44
24	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	5.4	7
23	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, 801-11	4.3	7
22	EEG Metrics Evaluation in Simultaneous EEG-fMRI Olfactory Experiment. <i>IFMBE Proceedings</i> , 2014 , 815-818	2	2
21	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	0.9	
20	Changes in resting-state functionally connected parietofrontal networks after videogame practice. <i>Human Brain Mapping</i> , 2013 , 34, 3143-57	5.9	32
19	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, 343-53	2.3	13
18	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	0.2	0
17	Higher glutamate to glutamine ratios in occipital regions in women with migraine during the interictal state. <i>Headache</i> , 2013 , 53, 365-75	4.2	40
16	GAT: Platform for automatic context-aware mobile services for m-tourism. <i>Expert Systems With Applications</i> , 2013 , 40, 4154-4163	7.8	37
15	Clinical and anatomical correlates of gait dysfunction in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2013 , 33, 495-505	4.3	26
14	Machine learning and social network analysis applied to Alzheimer's disease biomarkers. <i>Current Topics in Medicinal Chemistry</i> , 2013 , 13, 652-62	3	6
13	Structural changes after videogame practice related to a brain network associated with intelligence. <i>Intelligence</i> , 2012 , 40, 479-489	3	31
12	Novel Applications for M-Health and Free Messaging. <i>IEEE Pervasive Computing</i> , 2012 , 11, 74-75	1.3	0
11	Changing communications within hospital and home health care. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 6074-7	0.9	4
10	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, 407-16	5.1	18

9	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, 313-22	5.1	36
8	Wireless Sensor Networks for Conservation and Monitoring Cultural Assets. <i>IEEE Sensors Journal</i> , 2011 , 11, 1382-1389	4	45
7	Diagnosis of brain tumours from magnetic resonance spectroscopy using wavelets and Neural Networks. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 6074-7	0.9	5
6	Objective Assessment of Olfactory Function Using Functional Magnetic Resonance Imaging (fMRI). <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 2602-2608	5.2	12
5	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	0.9	
4	Brain structural changes in essential tremor: voxel-based morphometry at 3-Tesla. <i>Journal of the Neurological Sciences</i> , 2009 , 287, 138-42	3.2	124
3	Brain activation in discourse comprehension: a 3t fMRI study. <i>NeuroImage</i> , 2008 , 41, 614-22	7.9	55
2	A reconfigurable, wearable, wireless ECG system. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 1659-62		18
1	A Modular Architecture for Navigation Applications Based on Differential GPS. <i>Advances in Soft Computing</i> , 521-525		