

Juan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7194530/juan-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. <i>Neuroradiology</i> , 2015 , 57, 1181-1202	5.202	148
79	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
78	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
77	Brain activation in discourse comprehension: a 3t fMRI study. <i>NeuroImage</i> , 2008 , 41, 614-22	7.9	55
76	Parallel transmit pulse design for patients with deep brain stimulation implants. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1896-903	4.4	45
75	Wireless Sensor Networks for Conservation and Monitoring Cultural Assets. <i>IEEE Sensors Journal</i> , 2011 , 11, 1382-1389	4	45
74	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
73	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
72	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
71	Altered Functional Connectivity in Essential Tremor: A Resting-State fMRI Study. <i>Medicine (United States)</i> , 2015 , 94, e1936	1.8	39
70	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
69	GAT: Platform for automatic context-aware mobile services for m-tourism. <i>Expert Systems With Applications</i> , 2013 , 40, 4154-4163	7.8	37
68	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
67	Changes in resting-state functionally connected parietofrontal networks after videogame practice. <i>Human Brain Mapping</i> , 2013 , 34, 3143-57	5.9	32
66	Structural changes after videogame practice related to a brain network associated with intelligence. <i>Intelligence</i> , 2012 , 40, 479-489	3	31
65	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
64	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

63	Clinical and anatomical correlates of gait dysfunction in Alzheimer's disease. <i>Journal of Alzheimers Disease</i> , 2013 , 33, 495-505	4.3	26
62	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
61	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
60	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
59	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
58	White matter microstructural changes are related to cognitive dysfunction in essential tremor. <i>Scientific Reports</i> , 2017 , 7, 2978	4.9	19
57	White matter damage disorganizes brain functional networks in amnesic mild cognitive impairment. <i>Brain Connectivity</i> , 2014 , 4, 312-22	2.7	19
56	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
55	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
54	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
53	Clinical Performance and Future Potential of Magnetic Resonance Thermometry in Hyperthermia. <i>Cancers</i> , 2020 , 13,	6.6	16
52	Resting state functional MRI reveals abnormal network connectivity in orthostatic tremor. <i>Medicine (United States)</i> , 2016 , 95, e4310	1.8	15
51	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
50	Gray Matter Involvement in Radiologically Isolated Syndrome. <i>Medicine (United States)</i> , 2016 , 95, e3208	1.8	14
49	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
48	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
47	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
46	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

45	In vivo neurometabolic profiling in orthostatic tremor. <i>Medicine (United States)</i> , 2016 , 95, e4848	1.8	11
44	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
43	Normal-appearing brain tissue analysis in radiologically isolated syndrome using 3 T MRI. <i>Medicine (United States)</i> , 2016 , 95, e4101	1.8	7
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	Technical challenges of quantitative chest MRI data analysis in a large cohort pediatric study. <i>European Radiology</i> , 2019 , 29, 2770-2782	8	4
32	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
31	K-space trajectories in 3D-GRASE sequence for high resolution structural imaging. <i>Magnetic Resonance Imaging</i> , 2018 , 48, 10-19	3.3	4
30	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
29	An embedded system course using JavaME and android. <i>Computer Applications in Engineering Education</i> , 2015 , 23, 294-303	1.6	3
28	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

27	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
26	Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models 2015 , 47, 205-211		2
25	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
24	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
23	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014 , 16,	6.9	2
22	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
21	EEG Metrics Evaluation in Simultaneous EEG-fMRI Olfactory Experiment. <i>IFMBE Proceedings</i> , 2014 , 815-818		2
20	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
19	Sex Differences in the Olfactory System: a Functional MRI Study. <i>Chemosensory Perception</i> , 2019 , 12, 50-58	1.2	2
18	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
17	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
16	Autocalibrated parallel imaging reconstruction with sampling pattern optimization for GRASE: APIR4GRASE. <i>Magnetic Resonance Imaging</i> , 2020 , 66, 141-151	3.3	1
15	Accuracy and repeatability of QRAPMASTER and MRF-vFA. <i>Magnetic Resonance Imaging</i> , 2021 , 83, 196-207	3.7	1
14	MR imaging for the quantitative assessment of brain iron in aceruloplasminemia: A postmortem validation study. <i>NeuroImage</i> , 2021 , 245, 118752	7.9	1
13	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
12	Novel Applications for M-Health and Free Messaging. <i>IEEE Pervasive Computing</i> , 2012 , 11, 74-75	1.3	0
11	APIR4EMC: Autocalibrated parallel imaging reconstruction for extended multi-contrast imaging. <i>Magnetic Resonance Imaging</i> , 2021 , 78, 80-89	3.3	0
10	From signal-based to comprehensive magnetic resonance imaging. <i>Scientific Reports</i> , 2021 , 11, 17216	4.9	0

9	Time efficiency analysis for undersampled quantitative MRI acquisitions.. <i>Medical Image Analysis</i> , 2022 , 78, 102390	15.4	o
8	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	
7	A Modular Architecture for Navigation Applications Based on Differential GPS. <i>Advances in Soft Computing</i> , 521-525		
6	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	
5	Influence of Anisotropic Blood Vessels Modeling on EEG Source Localization. <i>Lecture Notes in Computer Science</i> , 2017 , 384-393	0.9	
4	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	
3	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	
2	Predicting conversion to multiple sclerosis by assessing cognitive impairment in radiologically isolated syndrome. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 49, 102749	4	
1	The COMPLETE trial: HolistiC early respOnse assessMent for oroPharyngeaL cancEr paTiEnts; Protocol for an observational study.. <i>BMJ Open</i> , 2022 , 12, e059345	3	