

Juan

List of Publications by Year in descending order

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

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	Mapping tumour heterogeneity with pulsed 3D CEST MRI in non-enhancing glioma at 3ÅT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 53-62.	2.0	13
2	3D APT and NOE CEST-MRI of healthy volunteers and patients with non-enhancing glioma at 3ÅT. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 63-73.	2.0	7
3	Time efficiency analysis for undersampled quantitative MRI acquisitions. Medical Image Analysis, 2022, 78, 102390.	11.6	3
4	The COMPLETE trial: Holistic early response assessment for oropharyngeal cancer patients; Protocol for an observational study. BMJ Open, 2022, 12, e059345.	1.9	0
5	Dual-Function MR-Guided Hyperthermia: An Innovative Integrated Approach and Experimental Demonstration of Proof of Principle. IEEE Transactions on Biomedical Engineering, 2021, 68, 712-717.	4.2	3
6	An optimal acquisition and post-processing pipeline for hybrid IVIM-DKI in head and neck. Magnetic Resonance in Medicine, 2021, 85, 777-789.	3.0	7
7	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. Neuroradiology, 2021, 63, 1831-1851.	2.2	15
8	Predicting conversion to multiple sclerosis by assessing cognitive impairment in radiologically isolated syndrome. Multiple Sclerosis and Related Disorders, 2021, 49, 102749.	2.0	3
9	APIR4EMC: Autocalibrated parallel imaging reconstruction for extended multi-contrast imaging. Magnetic Resonance Imaging, 2021, 78, 80-89.	1.8	1
10	From signal-based to comprehensive magnetic resonance imaging. Scientific Reports, 2021, 11, 17216.	3.3	3
11	Partial volume correction in arterial spin labeling perfusion MRI: A method to disentangle anatomy from physiology or an analysis step too far?. NeuroImage, 2021, 238, 118236.	4.2	33
12	Accuracy and repeatability of QRAPMASTER and MRF-vFA. Magnetic Resonance Imaging, 2021, 83, 196-207.	1.8	6
13	Clinical Performance and Future Potential of Magnetic Resonance Thermometry in Hyperthermia. Cancers, 2021, 13, 31.	3.7	31
14	Experimental Validation of the MRcollar: An MR Compatible Applicator for Deep Heating in the Head and Neck Region. Cancers, 2021, 13, 5617.	3.7	3
15	Dependency of R2 and R2* relaxation on Gd-DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. NMR in Biomedicine, 2021, , e4653.	2.8	3
16	MR imaging for the quantitative assessment of brain iron in aceruloplasminemia: A postmortem validation study. NeuroImage, 2021, 245, 118752.	4.2	3
17	Autocalibrated parallel imaging reconstruction with sampling pattern optimization for GRASE: APIR4GRASE. Magnetic Resonance Imaging, 2020, 66, 141-151.	1.8	1
18	Influence of the BSD-2000 3D/MR hyperthermia applicator on MR Image Quality: A Quantitative Assessment. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Computer-Vision Techniques for Water-Fat Separation in Ultra High-Field MRI Local Specific Absorption Rate Estimation. IEEE Transactions on Biomedical Engineering, 2019, 66, 768-774.	4.2	3
20	Refining memory assessment of elderly people with cognitive impairment: Insights from the short-term memory binding test. Archives of Gerontology and Geriatrics, 2019, 83, 114-120.	3.0	23
21	Technical challenges of quantitative chest MRI data analysis in a large cohort pediatric study. European Radiology, 2019, 29, 2770-2782.	4.5	6
22	Sex Differences in the Olfactory System: a Functional MRI Study. Chemosensory Perception, 2019, 12, 50-58.	1.2	4
23	K-space trajectories in 3D-GRASE sequence for high resolution structural imaging. Magnetic Resonance Imaging, 2018, 48, 10-19.	1.8	6
24	Relationship between episodic memory and volume of the brain regions of two functional cortical memory systems in multiple sclerosis. Journal of Neurology, 2018, 265, 2182-2189.	3.6	5
25	White matter microstructural changes are related to cognitive dysfunction in essential tremor. Scientific Reports, 2017, 7, 2978.	3.3	23
26	Structural correlates of apathy in Alzheimer's disease: a multimodal MRI study. International Journal of Geriatric Psychiatry, 2017, 32, 922-930.	2.7	27
27	Multi-atlas and label fusion approach for patient-specific MRI based skull estimation. Magnetic Resonance in Medicine, 2016, 75, 1797-1807.	3.0	21
28	Gray Matter Involvement in Radiologically Isolated Syndrome. Medicine (United States), 2016, 95, e3208.	1.0	22
29	Effect of Water T2 Shortening in the Quantification of in vitro Proton MR Spectroscopy. Journal of Neuroimaging, 2016, 26, 58-61.	2.0	4
30	The influence of the COMT genotype in the underlying functional brain activity of context processing in schizophrenia and in relatives. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 71, 176-182.	4.8	14
31	Resting state functional MRI reveals abnormal network connectivity in orthostatic tremor. Medicine (United States), 2016, 95, e4310.	1.0	18
32	Normal-appearing brain tissue analysis in radiologically isolated syndrome using 3 T MRI. Medicine (United States), 2016, 95, e4101.	1.0	11
33	In vivo neurometabolic profiling in orthostatic tremor. Medicine (United States), 2016, 95, e4848.	1.0	12
34	Altered brain rhythms and functional network disruptions involved in patients with generalized fixation-off epilepsy. Brain Imaging and Behavior, 2016, 10, 373-386.	2.1	8
35	Multimodal description of whole brain connectivity: A comparison of resting state MEG, fMRI, and DWI. Human Brain Mapping, 2016, 37, 20-34.	3.6	68
36	An Embedded Systems Course for Engineering Students Using Open-Source Platforms in Wireless Scenarios. IEEE Transactions on Education, 2016, 59, 248-254.	2.4	39

#	ARTICLE	IF	CITATIONS
37	ASAP (Automatic Software for ASL Processing): A toolbox for processing Arterial Spin Labeling images. Magnetic Resonance Imaging, 2016, 34, 334-344.	1.8	40
38	Fast Patch-Based Pseudo-CT Synthesis from T1-Weighted MR Images for PET/MR Attenuation Correction in Brain Studies. Journal of Nuclear Medicine, 2016, 57, 136-143.	5.0	72
39	Altered Functional Connectivity in Essential Tremor. Medicine (United States), 2015, 94, e1936.	1.0	63
40	An embedded system course using JavaME and android. Computer Applications in Engineering Education, 2015, 23, 294-303.	3.4	5
41	The Vallecas Project: A Cohort to Identify Early Markers and Mechanisms of Alzheimer's Disease. Frontiers in Aging Neuroscience, 2015, 7, 181.	3.4	28
42	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. , 2015, 2015, 7308-11.		4
43	Fast pseudo-CT synthesis from MRI T1-weighted images using a patch-based approach. , 2015, , .		0
44	Disparate Connectivity for Structural and Functional Networks is Revealed When Physical Location of the Connected Nodes is Considered. Brain Topography, 2015, 28, 187-196.	1.8	8
45	The Effect of Mouth Motion on the Attenuation Correction in Neurological PET Studies. Lecture Notes in Computational Vision and Biomechanics, 2015, , 63-69.	0.5	0
46	Brain activity detection by estimating the signal-to-noise ratio of fMRI time series using dynamic linear models. , 2015, 47, 205-211.		2
47	Classification of mild cognitive impairment and Alzheimer's Disease with machine-learning techniques using 1H Magnetic Resonance Spectroscopy data. Expert Systems With Applications, 2015, 42, 6205-6214.	7.6	32
48	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. Neuroradiology, 2015, 57, 1181-1202.	2.2	216
49	Parallel transmit pulse design for patients with deep brain stimulation implants. Magnetic Resonance in Medicine, 2015, 73, 1896-1903.	3.0	56
50	A new open-source technological system for real-time assessment in the classroom. Computer Applications in Engineering Education, 2015, 23, 412-421.	3.4	2
51	SAR reduction in 7T spine imaging using a "dark modes" transmit array strategy. Magnetic Resonance in Medicine, 2015, 73, 1533-1539.	3.0	26
52	Cerebral volumes, neuronal integrity and brain inflammation measured by MRI in patients receiving PI monotherapy or triple therapy. Journal of the International AIDS Society, 2014, 17, 19578.	3.0	7
53	The Partial Volume Effect in the Quantification of 1H Magnetic Resonance Spectroscopy in Alzheimer's Disease and Aging. Journal of Alzheimer's Disease, 2014, 42, 801-811.	2.6	8
54	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P363.	3.3	2

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	White Matter Damage Disorganizes Brain Functional Networks in Amnesic Mild Cognitive Impairment. <i>Brain Connectivity</i> , 2014, 4, 312-322.	1.7	23
59	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
60	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
61	Changes in resting-state functionally connected parietofrontal networks after videogame practice. <i>Human Brain Mapping</i> , 2013, 34, 3143-3157.	3.6	41
62	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
63	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
64	GAT: Platform for automatic context-aware mobile services for m-tourism. <i>Expert Systems With Applications</i> , 2013, 40, 4154-4163.	7.6	44
65	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
66	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
67	Automatic assessment system for large groups using Information and Communication Technologies. , 2012, , .		0
68	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
69	Structural changes after videogame practice related to a brain network associated with intelligence. <i>Intelligence</i> , 2012, 40, 479-489.	3.0	35
70	Novel Applications for M-Health and Free Messaging. <i>IEEE Pervasive Computing</i> , 2012, 11, 74-75.	1.3	1
71	Changing communications within hospital and home health care. , 2012, 2012, 6074-7.		5
72	Wireless Sensor Networks for Conservation and Monitoring Cultural Assets. <i>IEEE Sensors Journal</i> , 2011, 11, 1382-1389.	4.7	56

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	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
76	Diagnosis of brain tumours from magnetic resonance spectroscopy using wavelets and Neural Networks. , 2010, 2010, 6074-7.		10
77	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
78	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
79	Brain activation in discourse comprehension: A 3t fMRI study. <i>NeuroImage</i> , 2008, 41, 614-622.	4.2	64
80	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
81	A Modular Architecture for Navigation Applications Based on Differential GPS. <i>Advances in Soft Computing</i> , 0, , 521-525.	0.4	0