

# Rita Gouveia Nunes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1161116/publications.pdf>

Version: 2024-02-01

60  
papers

4,819  
citations

361413

20  
h-index

175258

52  
g-index

61  
all docs

61  
docs citations

61  
times ranked

7882  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and propagation of uncertainty in diffusion-weighted MR imaging. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1077-1088.	3.0	2,715
2	Emergence of resting state networks in the preterm human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20015-20020.	7.1	461
3	Parallel magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2007, 52, R15-R55.	3.0	282
4	Thalamo-cortical connectivity in children born preterm mapped using probabilistic magnetic resonance tractography. <i>NeuroImage</i> , 2007, 34, 896-904.	4.2	124
5	Investigation of white matter pathology in ALS and PLS using tract-based spatial statistics. <i>Human Brain Mapping</i> , 2009, 30, 615-624.	3.6	123
6	Application of the diffusion kurtosis model for the study of breast lesions. <i>European Radiology</i> , 2014, 24, 1197-1203.	4.5	104
7	Motion-Compensation Techniques in Neonatal and Fetal MR Imaging. <i>American Journal of Neuroradiology</i> , 2013, 34, 1124-1136.	2.4	94
8	Substantia nigra neuromelanin magnetic resonance imaging in <i>de novo</i> Parkinson's disease patients. <i>European Journal of Neurology</i> , 2015, 22, 540-546.	3.3	90
9	Reliable identification of the auditory thalamus using multi-modal structural analyses. <i>NeuroImage</i> , 2006, 30, 1112-1120.	4.2	89
10	<i>Substantia nigra</i> neuromelaninâ€MR imaging differentiates essential tremor from Parkinson's disease. <i>Movement Disorders</i> , 2015, 30, 953-959.	3.9	69
11	Investigations on the efficiency of cardiac-gated methods for the acquisition of diffusion-weighted images. <i>Journal of Magnetic Resonance</i> , 2005, 177, 102-110.	2.1	68
12	Magnetic resonance correlation of iron content with neuromelanin in the substantia nigra of earlyâ€stage Parkinson's disease. <i>European Journal of Neurology</i> , 2016, 23, 368-374.	3.3	62
13	Exploring the 3D geometry of the diffusion kurtosis tensorâ€Impact on the development of robust tractography procedures and novel biomarkers. <i>NeuroImage</i> , 2015, 111, 85-99.	4.2	45
14	Substantia Nigra Neuromelanin as an Imaging Biomarker of Disease Progression in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2017, 7, 491-501.	2.8	44
15	Lowâ€Field MRI of Stroke: Challenges and Opportunities. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 372-390.	3.4	40
16	Self-navigated multishot echo-planar pulse sequence for high-resolution diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1474-1478.	3.0	37
17	Region of interest demarcation for quantification of the apparent diffusion coefficient in breast lesions and its interobserver variability. <i>Diagnostic and Interventional Radiology</i> , 2015, 21, 123-127.	1.5	35
18	Freeâ€water DTI estimates from single bâ€value data might seem plausible but must be interpreted with care. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2537-2551.	3.0	30

#	ARTICLE	IF	CITATIONS
19	Breast DWI at 3 T: influence of the fat-suppression technique on image quality and diagnostic performance. <i>Clinical Radiology</i> , 2015, 70, 286-294.	1.1	28
20	A Stable Amorphous Statin: Solid-State NMR and Dielectric Studies on Dynamic Heterogeneity of Simvastatin. <i>Molecular Pharmaceutics</i> , 2014, 11, 727-737.	4.6	26
21	Distortion Correction in Fetal EPI Using Non-Rigid Registration With a Laplacian Constraint. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 12-19.	8.9	20
22	Diffusion-weighted imaging: determination of the best pair of $b$ -values to discriminate breast lesions. <i>British Journal of Radiology</i> , 2014, 87, 20130807.	2.2	19
23	T2* relaxometry of fetal brain at 1.5 Tesla using a motion tolerant method. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1795-1802.	3.0	18
24	Diffusion-weighted breast imaging at 3T: Preliminary experience. <i>Clinical Radiology</i> , 2014, 69, 378-384.	1.1	17
25	Fat suppression techniques (STIR vs. SPAIR) on diffusion-weighted imaging of breast lesions at 3.0T: preliminary experience. <i>Radiologia Medica</i> , 2015, 120, 705-713.	7.7	17
26	Dynamics of epileptic activity in a peculiar case of childhood absence epilepsy and correlation with thalamic levels of GABA. <i>Epilepsy &amp; Behavior Case Reports</i> , 2016, 5, 57-65.	1.5	16
27	Optimizing maternal fat suppression with constrained image-based shimming in fetal $^1\text{H}$ MR. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 477-485.	3.0	14
28	Quantitative Analysis Versus Visual Assessment of Neuromelanin MR Imaging for the Diagnosis of Parkinson's disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 561-567.	2.8	13
29	Advanced MR Imaging of the Human Nucleus Accumbens: Additional Guiding Tool for Deep Brain Stimulation. <i>Neuromodulation</i> , 2015, 18, 341-348.	0.8	13
30	Pubovisceralis Muscle Fiber Architecture Determination: Comparison Between Biomechanical Modeling and Diffusion Tensor Imaging. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1255-1265.	2.5	11
31	A framework for validating open-source pulse sequences. <i>Magnetic Resonance Imaging</i> , 2022, 87, 7-18.	1.8	10
32	Improving malignancy prediction in breast lesions with the combination of apparent diffusion coefficient and dynamic contrast-enhanced kinetic descriptors. <i>Clinical Radiology</i> , 2015, 70, 1016-1025.	1.1	9
33	Reconstruction of white matter fibre tracts using diffusion kurtosis tensor imaging at 1.5T: Pre-surgical planning in patients with gliomas. <i>European Journal of Radiology Open</i> , 2018, 5, 20-23.	1.6	8
34	Performance of single spin-echo and doubly refocused diffusion-weighted sequences in the presence of eddy current fields with multiple components. <i>Magnetic Resonance Imaging</i> , 2011, 29, 659-667.	1.8	7
35	Single shot fast spin echo diffusion imaging with correction for non-linear phase errors using tailored RF pulses. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 691-701.	3.0	7
36	Apparent diffusion coefficient in the analysis of prostate cancer: determination of optimal b-value pair to differentiate normal from malignant tissue. <i>Clinical Imaging</i> , 2018, 47, 90-95.	1.5	7

#	ARTICLE	IF	CITATIONS
37	The Visual Word Form Area remains in the dominant hemisphere for language in late-onset left occipital lobe epilepsies: A postsurgery analysis of two cases. <i>Epilepsy and Behavior</i> , 2015, 46, 91-98.	1.7	6
38	An exploration of task based fMRI in neonates using echo-shifting to allow acquisition at longer T E without loss of temporal efficiency. <i>NeuroImage</i> , 2016, 127, 298-306.	4.2	5
39	Neuromelanin magnetic resonance imaging of the substantia nigra in <i>LRRK2</i>-related Parkinson's disease. <i>Movement Disorders</i> , 2017, 32, 1331-1333.	3.9	5
40	Neuromelanin magnetic resonance imaging of the substantia nigra in first episode psychosis patients consumers of illicit substances. <i>Schizophrenia Research</i> , 2018, 197, 620-621.	2.0	5
41	Motor preparation in picture naming tasks. <i>Brain and Language</i> , 2018, 180-182, 24-30.	1.6	4
42	Inner-volume echo volumar imaging (<scp>IVEVI</scp>) for robust fetal brain imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 279-285.	3.0	4
43	Regional White Matter Atrophy Correlates with Spike Activity in Encephalopathy Related to Status Epilepticus During Slow Sleep (ESES) After Early Thalamic Lesions. <i>Brain Topography</i> , 2020, 33, 571-585.	1.8	3
44	Mapeamento miocárdico T1 por ressonância magnética – Uma ferramenta útil para compreender um coração doente. <i>Revista Portuguesa De Cardiologia</i> , 2021, 41, 61-61.	0.5	3
45	Combining RF encoding with parallel imaging: a simulation study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 31-38.	2.0	2
46	Highly accelerated Point-Spread Function mapping based on Finite Rate of Innovation for EPI distortion correction. <i>EJNMMI Physics</i> , 2014, 1, A45.	2.7	2
47	Neuromelanin Magnetic Resonance Imaging of the Substantia Nigra in Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2020, 9, 143-148.	1.9	2
48	Distortion correction of echo planar images applying the concept of finite rate of innovation to point spread function mapping (FRIP). <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 449-456.	2.0	1
49	Diffusion MRI Outside the Brain. <i>Mathematics and Visualization</i> , 2019, , 227-249.	0.6	1
50	Impact of Navigated Task-specific fMRI on Direct Cortical Stimulation. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2020, 81, 555-564.	0.8	1
51	Editorial for “Radiomics Based on Multimodal MRI for the Differential Diagnosis of Benign and Malignant Breast Lesions”, <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 608-609.	3.4	1
52	Analysis Protocols for MRI Mapping of the Blood Oxygenation-Sensitive Parameters T2* and T2 in the Kidney. <i>Methods in Molecular Biology</i> , 2021, 2216, 591-610.	0.9	1
53	Impact of white-matter mask selection on DTI histogram-based metrics as potential biomarkers in cerebral small vessel disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 779-790.	2.0	1
54	Diffusion-Weighted Breast Imaging: Beyond Morphology. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 41-56.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Editorial for “Feasibility of Velocity-Selective Arterial Spin Labelling in Breast Cancer Patients for Non-contrast Enhanced Perfusion Imaging”, Journal of Magnetic Resonance Imaging, 2021, 54, 1292-1293.	3.4	0
56	Improving parametric estimation in the brain from multispin-echo sequences using a fusion bootstrap moves solver. Magnetic Resonance in Medicine, 2021, 86, 2426-2440.	3.0	0
57	Physics-Informed Self-supervised Deep Learning Reconstruction for Accelerated First-Pass Perfusion Cardiac MRI. Lecture Notes in Computer Science, 2021, , 86-95.	1.3	0
58	Editorial on “Improved Quantification of Myelin Water Fraction Using Joint Sparsity of $T_2^*$ Distribution”, Journal of Magnetic Resonance Imaging, 2020, 52, 159-160.	3.4	0
59	Simultaneous multi-slice MRI. Advances in Magnetic Resonance Technology and Applications, 2021, 4, 37-52.	0.1	0
60	Open-source magnetic resonance imaging acquisition: Data and documentation for two validated pulse sequences. Data in Brief, 2022, 42, 108105.	1.0	0