

# Marco C Pinho

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,081  
citations

257450

24  
h-index

254184

43  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved tumor oxygenation and survival in glioblastoma patients who show increased blood perfusion after cediranib and chemoradiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19059-19064.	7.1	303
2	Basic MR relaxation mechanisms and contrast agent design. Journal of Magnetic Resonance Imaging, 2015, 42, 545-565.	3.4	139
3	Automatic assessment of glioma burden: a deep learning algorithm for fully automated volumetric and bidimensional measurement. Neuro-Oncology, 2019, 21, 1412-1422.	1.2	128
4	Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium. Nature Biomedical Engineering, 2019, 3, 230-245.	22.5	127
5	Cerebrovascular reactivity mapping without gas challenges. NeuroImage, 2017, 146, 320-326.	4.2	101
6	A Generic Support Vector Machine Model for Preoperative Glioma Survival Associations. Radiology, 2015, 275, 228-234.	7.3	97
7	Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study. American Journal of Neuroradiology, 2016, 37, 2231-2236.	2.4	95
8	Multiparametric estimation of brain hemodynamics with MR fingerprinting ASL. Magnetic Resonance in Medicine, 2017, 78, 1812-1823.	3.0	73
9	MRI-Based Deep-Learning Method for Determining Glioma <i>MGMT</i> Promoter Methylation Status. American Journal of Neuroradiology, 2021, 42, 845-852.	2.4	53
10	A Fully Automated Deep Learning Network for Brain Tumor Segmentation. Tomography, 2020, 6, 186-193.	1.8	50
11	Proton T <sub>2</sub> measurement and quantification of lactate in brain tumors by MRS at 3 Tesla in vivo. Magnetic Resonance in Medicine, 2015, 73, 2094-2099.	3.0	40
12	In vivo detection of 2α-hydroxyglutarate in brain tumors by optimized point-resolved spectroscopy (PRESS) at 7T. Magnetic Resonance in Medicine, 2017, 77, 936-944.	3.0	40
13	Cerebrovascular Reactivity Mapping Using Resting-State BOLD Functional MRI in Healthy Adults and Patients with Moyamoya Disease. Radiology, 2021, 299, 419-425.	7.3	40
14	Machine learning in preoperative glioma MRI: Survival associations by perfusion-based support vector machine outperforms traditional MRI. Journal of Magnetic Resonance Imaging, 2014, 40, 47-54.	3.4	39
15	Glycine by MR spectroscopy is an imaging biomarker of glioma aggressiveness. Neuro-Oncology, 2020, 22, 1018-1029.	1.2	37
16	Microstructural correlates of 3D steady-state inhomogeneous magnetization transfer (ihMT) in the human brain white matter assessed by myelin water imaging and diffusion tensor imaging. Magnetic Resonance in Medicine, 2018, 80, 2402-2414.	3.0	34
17	Evaluation of cerebrovascular reserve in patients with cerebrovascular diseases using resting-state MRI: A feasibility study. Magnetic Resonance Imaging, 2019, 59, 46-52.	1.8	34
18	Multiparametric imaging of brain hemodynamics and function using gas-inhalation MRI. NeuroImage, 2017, 146, 715-723.	4.2	32

#	ARTICLE	IF	CITATIONS
19	Radiomics Repeatability Pitfalls in a Scan-Rescan MRI Study of Glioblastoma. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e190199.	5.8	32
20	Phase II trial of carboplatin and bevacizumab in patients with breast cancer brain metastases. <i>Breast Cancer Research</i> , 2020, 22, 131.	5.0	31
21	Echo-planar spectroscopic imaging with dual-readout alternated gradients (DRAG-EPSI) at 7 T: Application for 2-hydroxyglutarate imaging in glioma patients. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1851-1861.	3.0	30
22	Neurological emergencies associated with COVID-19: stroke and beyond. <i>Emergency Radiology</i> , 2020, 27, 747-754.	1.8	29
23	Detection of 2-hydroxyglutarate in brain tumors by triple-refocusing MR spectroscopy at 3T in vivo. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 40-48.	3.0	28
24	A novel fully automated MRI-based deep-learning method for classification of 1p/19q co-deletion status in brain gliomas. <i>Neuro-Oncology Advances</i> , 2020, 2, iv42-iv48.	0.7	25
25	Evaluating Multisite rCBV Consistency from DSC-MRI Imaging Protocols and Postprocessing Software Across the NCI Quantitative Imaging Network Sites Using a Digital Reference Object (DRO). <i>Tomography</i> , 2019, 5, 110-117.	1.8	25
26	Classification of brain tumor isocitrate dehydrogenase status using MRI and deep learning. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	1.5	23
27	Assessment of irradiated brain metastases using dynamic contrast-enhanced magnetic resonance imaging. <i>Neuroradiology</i> , 2014, 56, 437-43.	2.2	20
28	Three-Dimensional Shape and Surface Features Distinguish Multiple Sclerosis Lesions from Nonspecific White Matter Disease. <i>Journal of Neuroimaging</i> , 2017, 27, 613-619.	2.0	17
29	Spiral T1 Spin-Echo for Routine Postcontrast Brain MRI Exams: A Multicenter Multireader Clinical Evaluation. <i>American Journal of Neuroradiology</i> , 2020, 41, 238-245.	2.4	17
30	Low Incidence of Pseudoprogression by Imaging in Newly Diagnosed Glioblastoma Patients Treated With Cediranib in Combination With Chemoradiation. <i>Oncologist</i> , 2014, 19, 75-81.	3.7	16
31	Early changes in glioblastoma metabolism measured by MR spectroscopic imaging during combination of anti-angiogenic cediranib and chemoradiation therapy are associated with survival. <i>Npj Precision Oncology</i> , 2017, 1, .	5.4	16
32	Robust pCASL perfusion imaging using a 3D Cartesian acquisition with spiral profile reordering (CASPR). <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1713-1724.	3.0	13
33	Determining Etiology of Facial Nerve Paralysis With MRI: Challenges in Malignancy Detection. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2019, 128, 862-868.	1.1	13
34	In vivo detection of citrate in brain tumors by <sup>1</sup> H magnetic resonance spectroscopy at 3T. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 316-323.	3.0	12
35	Evaluating the Use of rCBV as a Tumor Grade and Treatment Response Classifier Across NCI Quantitative Imaging Network Sites: Part II of the DSC-MRI Digital Reference Object (DRO) Challenge. <i>Tomography</i> , 2020, 6, 203-208.	1.8	12
36	Long-Term Physical Exercise and Mindfulness Practice in an Aging Population. <i>Frontiers in Psychology</i> , 2020, 11, 358.	2.1	11

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37	Clinical and Pathologic Factors Predictive of Positive Radiologic Findings in High-Risk Cutaneous Squamous Cell Carcinoma. <i>Dermatologic Surgery</i> , 2015, 41, 1405-1410.	0.8	10
38	Three-Dimensional Lesion Phenotyping and Physiologic Characterization Inform Remyelination Ability in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2019, 29, 605-614.	2.0	10
39	Disorder in Pixel-Level Edge Directions on T1WI Is Associated with the Degree of Radiation Necrosis in Primary and Metastatic Brain Tumors: Preliminary Findings. <i>American Journal of Neuroradiology</i> , 2019, 40, 412-417.	2.4	10
40	Utility of shape evolution and displacement in the classification of chronic multiple sclerosis lesions. <i>Scientific Reports</i> , 2020, 10, 19560.	3.3	10
41	Predicting Parkinson's disease trajectory using clinical and neuroimaging baseline measures. <i>Parkinsonism and Related Disorders</i> , 2021, 85, 44-51.	2.2	10
42	Measurement of glycine in healthy and tumorous brain by triple-refocusing MRS at 3T <i>in vivo</i> . <i>NMR in Biomedicine</i> , 2017, 30, e3747.	2.8	9
43	Prevalence of and Risk Factors for Cerebral Microbleeds in Moyamoya Disease and Syndrome in the American Population. <i>Cerebrovascular Diseases Extra</i> , 2020, 9, 139-147.	1.5	9
44	Alterations in the RB Pathway With Inactivation of RB1 Characterize Glioblastomas With a Primitive Neuronal Component. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 1092-1098.	1.7	9
45	Adverse Radiation Therapy Effects in the Treatment of Head and Neck Tumors. <i>Radiographics</i> , 2022, 42, 806-821.	3.3	8
46	Nonnecrotizing Systemic Granulomatous Panniculitis Involving the Breast: Imaging Correlation of a Breast Cancer Mimicker. <i>American Journal of Roentgenology</i> , 2007, 188, 1573-1576.	2.2	7
47	Effects of cediranib, a VEGF signaling inhibitor, in combination with chemoradiation on tumor blood flow and survival in newly diagnosed glioblastoma. <i>Journal of Clinical Oncology</i> , 2012, 30, 2009-2009.	1.6	7
48	Combining inhomogeneous magnetization transfer and multipoint Dixon acquisition: Potential utility and evaluation. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2136-2144.	3.0	6
49	Two Unique Mutations in HTRA1-Related Cerebral Small Vessel Disease in North America and Africa and Literature Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 106029.	1.6	4
50	Dynamic <sup>13</sup> C MR spectroscopy as an alternative to imaging for assessing cerebral metabolism using hyperpolarized pyruvate in humans. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1136-1149.	3.0	4
51	Pitfalls and Recommended Strategies and Metrics for Suppressing Motion Artifacts in Functional MRI. <i>Neuroinformatics</i> , 2022, 20, 879-896.	2.8	4
52	Direction and magnitude of displacement differ between slowly expanding and non-expanding multiple sclerosis lesions as compared to small vessel disease. <i>Journal of Neurology</i> , 2022, 269, 4459-4468.	3.6	4
53	Non-contrast hemodynamic imaging of Moyamoya disease with MR fingerprinting ASL: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2022, 88, 116-122.	1.8	4
54	The Impact of MRI Features and Observer Confidence on the Treatment Decision-Making for Patients with Untreated Glioma. <i>Scientific Reports</i> , 2019, 9, 19898.	3.3	3

#	ARTICLE	IF	CITATIONS
55	Letter by Shang et al Regarding Article, "High-Resolution Magnetic Resonance Wall Imaging Findings of Moyamoya Disease" Stroke, 2014, 45, e299.	2.0	2
56	Brain tumor IDH, 1p/19q, and MGMT molecular classification using MRI-based deep learning: an initial study on the effect of motion and motion correction. Journal of Medical Imaging, 2022, 9, 016001.	1.5	2
57	A Radiomic Machine Learning Model to Predict Treatment Response to Methotrexate and Survival Outcomes in Primary Central Nervous System Lymphoma (PCNSL). Blood, 2020, 136, 29-30.	1.4	1
58	NIMG-76. POST-GADOLINIUM 3-DIMENSIONAL SPATIAL, SURFACE, AND STRUCTURAL CHARACTERISTICS OF GLIOBLASTOMAS DIFFERENTIATE PSEUDOPROGRESSION FROM TRUE TUMOR PROGRESSION. Neuro-Oncology, 2018, 20, vi192-vi193.	1.2	0
59	ASPECTS Distorts Infarct Volume Measurement. American Journal of Neuroradiology, 2020, 41, E28-E28.	2.4	0
60	Abstract TP75: Distal Hyperintense Vessel Sign on FLAIR as a Predictor of Recurrent Stroke in Intracranial Arterial Stenosis. Stroke, 2019, 50, .	2.0	0