

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	Dynamic ¹³ 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
2	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. <i>Journal of Medical Imaging</i> , 2022, 9, 016001.	1.5	2
3	Pitfalls and Recommended Strategies and Metrics for Suppressing Motion Artifacts in Functional MRI. <i>Neuroinformatics</i> , 2022, 20, 879-896.	2.8	4
4	Adverse Radiation Therapy Effects in the Treatment of Head and Neck Tumors. <i>Radiographics</i> , 2022, 42, 806-821.	3.3	8
5	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
6	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
7	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
8	MRI-Based Deep-Learning Method for Determining Glioma <i>MGMT</i> Promoter Methylation Status. <i>American Journal of Neuroradiology</i> , 2021, 42, 845-852.	2.4	53
9	Predicting Parkinson's disease trajectory using clinical and neuroimaging baseline measures. <i>Parkinsonism and Related Disorders</i> , 2021, 85, 44-51.	2.2	10
10	Cerebrovascular Reactivity Mapping Using Resting-State BOLD Functional MRI in Healthy Adults and Patients with Moyamoya Disease. <i>Radiology</i> , 2021, 299, 419-425.	7.3	40
11	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
12	Radiomics Repeatability Pitfalls in a Scan-Rescan MRI Study of Glioblastoma. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e190199.	5.8	32
13	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
14	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
15	Utility of shape evolution and displacement in the classification of chronic multiple sclerosis lesions. <i>Scientific Reports</i> , 2020, 10, 19560.	3.3	10
16	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
17	Neurological emergencies associated with COVID-19: stroke and beyond. <i>Emergency Radiology</i> , 2020, 27, 747-754.	1.8	29
18	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

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19	Glycine by MR spectroscopy is an imaging biomarker of glioma aggressiveness. <i>Neuro-Oncology</i> , 2020, 22, 1018-1029.	1.2	37
20	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
21	ASPECTS Distorts Infarct Volume Measurement. <i>American Journal of Neuroradiology</i> , 2020, 41, E28-E28.	2.4	0
22	Long-Term Physical Exercise and Mindfulness Practice in an Aging Population. <i>Frontiers in Psychology</i> , 2020, 11, 358.	2.1	11
23	A Fully Automated Deep Learning Network for Brain Tumor Segmentation. <i>Tomography</i> , 2020, 6, 186-193.	1.8	50
24	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
25	A Radiomic Machine Learning Model to Predict Treatment Response to Methotrexate and Survival Outcomes in Primary Central Nervous System Lymphoma (PCNSL). <i>Blood</i> , 2020, 136, 29-30.	1.4	1
26	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
27	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
28	Automatic assessment of glioma burden: a deep learning algorithm for fully automated volumetric and bidimensional measurement. <i>Neuro-Oncology</i> , 2019, 21, 1412-1422.	1.2	128
29	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
30	Evaluation of cerebrovascular reserve in patients with cerebrovascular diseases using resting-state MRI: A feasibility study. <i>Magnetic Resonance Imaging</i> , 2019, 59, 46-52.	1.8	34
31	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
32	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
33	Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium. <i>Nature Biomedical Engineering</i> , 2019, 3, 230-245.	22.5	127
34	Classification of brain tumor isocitrate dehydrogenase status using MRI and deep learning. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	1.5	23
35	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
36	Abstract TP75: Distal Hyperintense Vessel Sign on FLAIR as a Predictor of Recurrent Stroke in Intracranial Arterial Stenosis. <i>Stroke</i> , 2019, 50, .	2.0	0

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37	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
38	NIMG-76. POST-GADOLINIUM 3-DIMENSIONAL SPATIAL, SURFACE, AND STRUCTURAL CHARACTERISTICS OF GLIOBLASTOMAS DIFFERENTIATE PSEUDOPROGRESSION FROM TRUE TUMOR PROGRESSION. <i>Neuro-Oncology</i> , 2018, 20, vi192-vi193.	1.2	0
39	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. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2402-2414.	3.0	34
40	In vivo detection of 2-hydroxyglutarate in brain tumors by optimized point-resolved spectroscopy (PRESS) at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 936-944.	3.0	40
41	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
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	Multiparametric estimation of brain hemodynamics with MR fingerprinting ASL. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1812-1823.	3.0	73
44	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
45	Detection of 2-hydroxyglutarate in brain tumors by triple-refocusing MR spectroscopy at 3T <i>in vivo</i> . <i>Magnetic Resonance in Medicine</i> , 2017, 78, 40-48.	3.0	28
46	Multiparametric imaging of brain hemodynamics and function using gas-inhalation MRI. <i>NeuroImage</i> , 2017, 146, 715-723.	4.2	32
47	Cerebrovascular reactivity mapping without gas challenges. <i>NeuroImage</i> , 2017, 146, 320-326.	4.2	101
48	Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study. <i>American Journal of Neuroradiology</i> , 2016, 37, 2231-2236.	2.4	95
49	Basic MR relaxation mechanisms and contrast agent design. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 545-565.	3.4	139
50	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
51	Proton T ₂ measurement and quantification of lactate in brain tumors by MRS at 3 Tesla <i>in vivo</i> . <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2094-2099.	3.0	40
52	A Generic Support Vector Machine Model for Preoperative Glioma Survival Associations. <i>Radiology</i> , 2015, 275, 228-234.	7.3	97
53	In vivo detection of citrate in brain tumors by ¹ H magnetic resonance spectroscopy at 3T. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 316-323.	3.0	12
54	Letter by Shang et al Regarding Article, "High-Resolution Magnetic Resonance Wall Imaging Findings of Moyamoya Disease". <i>Stroke</i> , 2014, 45, e299.	2.0	2

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55	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
56	Assessment of irradiated brain metastases using dynamic contrast-enhanced magnetic resonance imaging. <i>Neuroradiology</i> , 2014, 56, 437-43.	2.2	20
57	Machine learning in preoperative glioma MRI: Survival associations by perfusion-based support vector machine outperforms traditional MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 47-54.	3.4	39
58	Improved tumor oxygenation and survival in glioblastoma patients who show increased blood perfusion after cediranib and chemoradiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19059-19064.	7.1	303
59	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
60	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