

# Marco Pizzolato

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8356649/publications.pdf>

Version: 2024-02-01

37  
papers

504  
citations

1163117

8  
h-index

794594

19  
g-index

41  
all docs

41  
docs citations

41  
times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits to anatomical accuracy of diffusion tractography using modern approaches. <i>NeuroImage</i> , 2019, 185, 1-11.	4.2	200
2	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. <i>NeuroImage</i> , 2021, 243, 118502.	4.2	94
3	Sparse wars: A survey and comparative study of spherical deconvolution algorithms for diffusion MRI. <i>NeuroImage</i> , 2019, 184, 140-160.	4.2	29
4	Model-informed machine learning for multi-component $T_2$ relaxometry. <i>Medical Image Analysis</i> , 2021, 69, 101940.	11.6	26
5	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. <i>NeuroImage</i> , 2022, 257, 119327.	4.2	17
6	Fast and high-resolution myelin water imaging: Accelerating multi-echo GRASE with CAIPIRINHA. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 209-222.	3.0	16
7	Comparison of non-parametric $T_2$ relaxometry methods for myelin water quantification. <i>Medical Image Analysis</i> , 2021, 69, 101959.	11.6	16
8	Adaptive phase correction of diffusion-weighted images. <i>NeuroImage</i> , 2020, 206, 116274.	4.2	14
9	Does powder averaging remove dispersion bias in diffusion MRI diameter estimates within real 3D axonal architectures?. <i>NeuroImage</i> , 2022, 248, 118718.	4.2	12
10	Comparison of Biomarkers in Transgenic Alzheimer Rats Using Multi-Shell Diffusion MRI. <i>Mathematics and Visualization</i> , 2017, , 187-199.	0.6	11
11	Revisiting the $T_2$ spectrum imaging inverse problem: Bayesian regularized non-negative least squares. <i>NeuroImage</i> , 2021, 244, 118582.	4.2	8
12	Acquiring and Predicting Multidimensional Diffusion (MUDI) Data: An Open Challenge. <i>Mathematics and Visualization</i> , 2020, , 195-208.	0.6	8
13	Perfusion deconvolution in DSC-MRI with dispersion-compliant bases. <i>Medical Image Analysis</i> , 2017, 36, 197-215.	11.6	5
14	A Unifying Framework for Spatial and Temporal Diffusion in Diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2015, 24, 167-178.	1.3	5
15	Assessing the feasibility of estimating axon diameter using diffusion models and machine learning. , 2017, , .		4
16	Axonal $T_2$ estimation using the spherical variance of the strongly diffusion-weighted MRI signal. <i>Magnetic Resonance Imaging</i> , 2022, 86, 118-134.	1.8	4
17	Evaluating reproducibility and subject-specificity of microstructure-informed connectivity. <i>NeuroImage</i> , 2022, 258, 119356.	4.2	4
18	Solving the inclination sign ambiguity in three dimensional Polarized Light Imaging with a PDE-based method. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Noise Floor Removal via Phase Correction of Complex Diffusion-Weighted Images: Influence on DTI and q-Space Metrics. <i>Mathematics and Visualization</i> , 2017, , 21-34.	0.6	3
20	Multi-Compartment Diffusion Mri, T2 Relaxometry And Myelin Water Imaging As Neuroimaging Descriptors For Anomalous Tissue Detection. , 2021, , .		2
21	Quantitative Evaluation of Enhanced Multi-plane Clinical Fetal Diffusion MRI with a Crossing-Fiber Phantom. <i>Lecture Notes in Computer Science</i> , 2021, , 12-22.	1.3	2
22	Orientation-Dispersed Apparent Axon Diameter via Multi-Stage Spherical Mean Optimization. <i>Mathematics and Visualization</i> , 2019, , 91-101.	0.6	2
23	DWI Simulation-Assisted Machine Learning Models for Microstructure Estimation. <i>Mathematics and Visualization</i> , 2020, , 125-134.	0.6	2
24	Perfusion MRI deconvolution with delay estimation and non-negativity constraints. , 2015, , .		1
25	The Microstructural Features of the Diffusion-Simulated Connectivity (DiSCo) Dataset. <i>Lecture Notes in Computer Science</i> , 2021, , 159-170.	1.3	1
26	A Signal Peak Separation Index for Axisymmetric B-Tensor Encoding. <i>Mathematics and Visualization</i> , 2021, , 29-42.	0.6	1
27	Exploiting the Phase in Diffusion MRI for Microstructure Recovery: Towards Axonal Tortuosity via Asymmetric Diffusion Processes. <i>Lecture Notes in Computer Science</i> , 2015, , 109-116.	1.3	1
28	Magnitude and Complex Based Diffusion Signal Reconstruction. <i>Mathematics and Visualization</i> , 2014, , 127-140.	0.6	1
29	A Temperature Phantom to Probe the Ensemble Average Propagator Asymmetry: An In-Silico Study. <i>Mathematics and Visualization</i> , 2016, , 183-194.	0.6	1
30	Robust Biophysical Parameter Estimation with a Neural Network Enhanced Hamiltonian Markov Chain Monte Carlo Sampler. <i>Lecture Notes in Computer Science</i> , 2019, , 818-829.	1.3	1
31	Diffusion-relaxation scattered MR signal representation in a multi-parametric sequence. <i>Magnetic Resonance Imaging</i> , 2022, , .	1.8	1
32	Elucidating dispersion effects in perfusion MRI by means of dispersion-compliant bases. , 2016, , .		0
33	Spatially Varying Monte Carlo Sure for the Regularization of Biomedical Images. , 2019, , .		0
34	Robust T2 Relaxometry With Hamiltonian MCMC for Myelin Water Fraction Estimation. , 2019, , .		0
35	Diffusion MRI Anisotropy: Modeling, Analysis and Interpretation. <i>Mathematics and Visualization</i> , 2017, , 203-228.	0.6	0
36	An Evolutionary Framework for Microstructure-Sensitive Generalized Diffusion Gradient Waveforms. <i>Lecture Notes in Computer Science</i> , 2020, , 94-103.	1.3	0

#	ARTICLE	IF	CITATIONS
37	Data-driven myelin water imaging based on $T_1$ and $T_2$ relaxometry. NMR in Biomedicine, 2021, , e4668.	2.8	0