

Martin MÄjddel

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

546
citations

1039880

9
h-index

839398

18
g-index

20
all docs

20
docs citations

20
times ranked

522
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-sized magnetic particle imaging for brain applications. <i>Nature Communications</i> , 2019, 10, 1936.	5.8	186
2	Magnetic particle imaging: from proof of principle to preclinical applications. <i>Physics in Medicine and Biology</i> , 2017, 62, R124-R178.	1.6	139
3	Viscosity quantification using multi-contrast magnetic particle imaging. <i>New Journal of Physics</i> , 2018, 20, 083001.	1.2	39
4	Visualization of spatial and temporal temperature distributions with magnetic particle imaging for liver tumor ablation therapy. <i>Scientific Reports</i> , 2020, 10, 7480.	1.6	31
5	Efficient Joint Image Reconstruction of Multi-Patch Data Reusing a Single System Matrix in Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 932-944.	5.4	24
6	Discriminating nanoparticle core size using multi-contrast MPI. <i>Physics in Medicine and Biology</i> , 2019, 64, 074001.	1.6	19
7	Simultaneous imaging of widely differing particle concentrations in MPI: problem statement and algorithmic proposal for improvement. <i>Physics in Medicine and Biology</i> , 2021, 66, 095004.	1.6	17
8	Generalized MPI Multi-Patch Reconstruction Using Clusters of Similar System Matrices. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1347-1358.	5.4	14
9	Using Low-Rank Tensors for the Recovery of MPI System Matrices. <i>IEEE Transactions on Computational Imaging</i> , 2020, 6, 1389-1402.	2.6	14
10	Detection and Compensation of Periodic Motion in Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1511-1521.	5.4	9
11	Efficient Joint Estimation of Tracer Distribution and Background Signals in Magnetic Particle Imaging Using a Dictionary Approach. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3568-3579.	5.4	9
12	Mathematical analysis of the 1D model and reconstruction schemes for magnetic particle imaging. <i>Inverse Problems</i> , 2018, 34, 055012.	1.0	8
13	Combining Direct 3D Volume Rendering and Magnetic Particle Imaging to Advance Radiation-Free Real-Time 3D Guidance of Vascular Interventions. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 322-330.	0.9	8
14	Suppression of Motion Artifacts Caused by Temporally Recurring Tracer Distributions in Multi-Patch Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3548-3558.	5.4	8
15	Moving table magnetic particle imaging: a stepwise approach preserving high spatio-temporal resolution. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	7
16	Modeling the magnetization dynamics for large ensembles of immobilized magnetic nanoparticles in multi-dimensional magnetic particle imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 543, 168534.	1.0	6
17	Bimodal intravascular volumetric imaging combining OCT and MPI. <i>Medical Physics</i> , 2019, 46, 1371-1383.	1.6	4
18	MPIFiles.jl: A Julia Package for Magnetic Particle Imaging Files. <i>Journal of Open Source Software</i> , 2019, 4, 1331.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Dictionary-Based Background Signal Estimation For Magnetic Particle Imaging. , 2021, , .		0
20	Estimating the Spatial Orientation of Immobilized Magnetic Nanoparticles with Parallel-Aligned Easy Axes. Physical Review Applied, 2021, 16, .	1.5	0