

Maik Liebl

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

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1306789

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1058022

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18
docs citations

18
times ranked

268
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic measurement methods to probe nanoparticle-matrix interactions. <i>ChemistrySelect</i> , 2023, 8, 1273-1303.	0.7	2
2	Experimental demonstration of improved magnetorelaxometry imaging performance using optimized coil configurations. <i>Medical Physics</i> , 2022, , .	1.6	3
3	Noise Power Properties of Magnetic Nanoparticles as Measured in Thermal Noise Magnetometry. <i>IEEE Access</i> , 2021, 9, 111505-111517.	2.6	6
4	Pulsed Optically Pumped Magnetometers: Addressing Dead Time and Bandwidth for the Unshielded Magnetorelaxometry of Magnetic Nanoparticles. <i>Sensors</i> , 2021, 21, 1212.	2.1	15
5	2D Quantitative Imaging of Magnetic Nanoparticles by an AC Biosusceptometry Based Scanning Approach and Inverse Problem. <i>Sensors</i> , 2021, 21, 7063.	2.1	3
6	Optimizing Excitation Coil Currents for Advanced Magnetorelaxometry Imaging. <i>Journal of Mathematical Imaging and Vision</i> , 2020, 62, 238-252.	0.8	13
7	Quantitative 2D Magnetorelaxometry Imaging of Magnetic Nanoparticles Using Optically Pumped Magnetometers. <i>Sensors</i> , 2020, 20, 753.	2.1	26
8	Noninvasive monitoring of blood flow using a single magnetic microsphere. <i>Scientific Reports</i> , 2019, 9, 5014.	1.6	8
9	Magnetic relaxation of magnetic nanoparticles under the influence of shear flow. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 205002.	1.3	3
10	Nonlinear Spectroscopic Characterization and Volterra Series Inspired Modeling of Magnetic Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-12.	1.2	3
11	Quantitative and binding-specific imaging of magnetic nanoparticle distributions. , 2015, , .		2
12	Flow cytometry for intracellular SPION quantification: specificity and sensitivity in comparison with spectroscopic methods. <i>International Journal of Nanomedicine</i> , 2015, 10, 4185.	3.3	65
13	Magnetic Particle Spectroscopy to Determine the Magnetic Drug Targeting Efficiency of Different Magnetic Nanoparticles in a Flow Phantom. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	1.2	4
14	Magnetorelaxometry procedures for quantitative imaging and characterization of magnetic nanoparticles in biomedical applications. <i>Biomedizinische Technik</i> , 2015, 60, 427-43.	0.9	30
15	Quantitative reconstruction of a magnetic nanoparticle distribution using a non-negativity constraint. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.9	7
16	Noninvasive Quantification of Magnetic Nanoparticles by Means of Magnetorelaxometry. , 2012, 906, 253-261.		1
17	Spatially Resolved Measurement of Magnetic Nanoparticles Using Inhomogeneous Excitation Fields in the Linear Susceptibility Range (<1mT). <i>Springer Proceedings in Physics</i> , 2012, , 295-300.	0.1	5
18	Magnetorelaxometry for In-Vivo Quantification of Magnetic Nanoparticle Distributions after Magnetic Drug Targeting in a Rabbit Carcinoma Model. <i>Springer Proceedings in Physics</i> , 2012, , 301-305.	0.1	11