

Norbert LÄjwa

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

408
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel platform for the multidimensional analysis of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 518, 167443.	2.3	6
2	Quantification of Lipoprotein Uptake <i>in Vivo</i> Using Magnetic Particle Imaging and Spectroscopy. <i>ACS Nano</i> , 2021, 15, 434-446.	14.6	16
3	Magnetic separation of iron oxide nanoparticles to improve their application for magnetic particle imaging. <i>Physics in Medicine and Biology</i> , 2021, 66, 015002.	3.0	14
4	Albumin-Coated Single-Core Iron Oxide Nanoparticles for Enhanced Molecular Magnetic Imaging (MRI/MPI). <i>International Journal of Molecular Sciences</i> , 2021, 22, 6235.	4.1	23
5	A multi-purpose phantom kit for magnetic particle imaging. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 319-322.	0.4	1
6	Micromixer Synthesis Platform for a Tuneable Production of Magnetic Single-Core Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1845.	4.1	10
7	Novel Benchtop Magnetic Particle Spectrometer for Process Monitoring of Magnetic Nanoparticle Synthesis. <i>Nanomaterials</i> , 2020, 10, 2277.	4.1	5
8	Initial interaction of citrate-coated iron oxide nanoparticles with the glycocalyx of THP-1 monocytes assessed by real-time magnetic particle spectroscopy and electron microscopy. <i>Scientific Reports</i> , 2020, 10, 3591.	3.3	9
9	3D-printing of novel magnetic composites based on magnetic nanoparticles and photopolymers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 456-460.	2.3	39
10	Imaging and quantification of magnetic nanoparticles: Comparison of magnetic resonance imaging and magnetic particle imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 382-388.	2.3	26
11	Probing particle-matrix interactions during magnetic particle spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 421-428.	2.3	9
12	Very small superparamagnetic iron oxide nanoparticles: Long-term fate and metabolic processing in atherosclerotic mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2575-2586.	3.3	29
13	Optimization of Iron Oxide Tracer Synthesis for Magnetic Particle Imaging. <i>Nanomaterials</i> , 2018, 8, 180.	4.1	23
14	Magnetic nanoparticles in different biological environments analyzed by magnetic particle spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 133-138.	2.3	28
15	Characterizing a Preclinical Magnetic Particle Imaging System With Separate Pickup Coil. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-5.	2.1	10
16	Magnetic Particle Spectroscopy Reveals Dynamic Changes in the Magnetic Behavior of Very Small Superparamagnetic Iron Oxide Nanoparticles During Cellular Uptake and Enables Determination of Cell-Labeling Efficacy. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 337-346.	1.1	46
17	Uptake of citrate-coated iron oxide nanoparticles into atherosclerotic lesions in mice occurs via accelerated transcytosis through plaque endothelial cells. <i>Nano Research</i> , 2016, 9, 3437-3452.	10.4	18
18	Hyphenation of Field-Flow Fractionation and Magnetic Particle Spectroscopy. <i>Chromatography (Basel)</i> , 2015, 2, 655-668.	1.2	11

#	ARTICLE	IF	CITATIONS
19	How Hydrodynamic Fractionation Influences MPI Performance of Resovist. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
20	Hydrodynamic and magnetic fractionation of superparamagnetic nanoparticles for magnetic particle imaging. Journal of Magnetism and Magnetic Materials, 2015, 380, 266-270.	2.3	16
21	Characterization of magnetic nanoparticle systems with respect to their magnetic particle imaging performance. Biomedizinische Technik, 2013, 58, 535-45.	0.8	60