Norbert LÃ¶wa

List of Publications by Year
in descending order

21	408	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of magnetic nanoparticle systems with respect to their magnetic particle imaging performance. Biomedizinische Technik, 2013, 58, 535-45.	0.8	60
2	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. Journal of Biomedical Nanotechnology, 2016, 12, 337-346.	1.1	46
3	3D-printing of novel magnetic composites based on magnetic nanoparticles and photopolymers. Journal of Magnetism and Magnetic Materials, 2019, 469, 456-460.	2.3	39
4	Very small superparamagnetic iron oxide nanoparticles: Long-term fate and metabolic processing in atherosclerotic mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2575-2586.	3.3	29
5	Magnetic nanoparticles in different biological environments analyzed by magnetic particle spectroscopy. Journal of Magnetism and Magnetic Materials, 2017, 427, 133-138.	2.3	28
6	Imaging and quantification of magnetic nanoparticles: Comparison of magnetic resonance imaging and magnetic particle imaging. Journal of Magnetism and Magnetic Materials, 2019, 475, 382-388.	2.3	26
7	Optimization of Iron Oxide Tracer Synthesis for Magnetic Particle Imaging. Nanomaterials, 2018, 8, 180.	4.1	23
8	Albumin-Coated Single-Core Iron Oxide Nanoparticles for Enhanced Molecular Magnetic Imaging (MRI/MPI). International Journal of Molecular Sciences, 2021, 22, 6235.	4.1	23
9	Uptake of citrate-coated iron oxide nanoparticles into atherosclerotic lesions in mice occurs via accelerated transcytosis through plaque endothelial cells. Nano Research, 2016, 9, 3437-3452.	10.4	18
10	Hydrodynamic and magnetic fractionation of superparamagnetic nanoparticles for magnetic particle imaging. Journal of Magnetism and Magnetic Materials, 2015, 380, 266-270.	2.3	16
11	Quantification of Lipoprotein Uptake in Vivo Using Magnetic Particle Imaging and Spectroscopy. ACS Nano, 2021, 15, 434-446.	14.6	16
12	Magnetic separation of iron oxide nanoparticles to improve their application for magnetic particle imaging. Physics in Medicine and Biology, 2021, 66, 015002.	3.0	14
13	Hyphenation of Field-Flow Fractionation and Magnetic Particle Spectroscopy. Chromatography (Basel), 2015, 2, 655-668.	1.2	11
14	Characterizing a Preclinical Magnetic Particle Imaging System With Separate Pickup Coil. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	10
15	Micromixer Synthesis Platform for a Tuneable Production of Magnetic Single-Core Iron Oxide Nanoparticles. Nanomaterials, 2020, 10, 1845.	4.1	10
16	How Hydrodynamic Fractionation Influences MPI Performance of Resovist. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
17	Probing particle-matrix interactions during magnetic particle spectroscopy. Journal of Magnetism and Magnetic Materials, 2019, 475, 421-428.	2.3	9
18	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. Scientific Reports, 2020, 10, 3591.	3.3	9

#	Article	IF	Citations
19	Novel platform for the multidimensional analysis of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2021, 518, 167443.	2.3	6
20	Novel Benchtop Magnetic Particle Spectrometer for Process Monitoring of Magnetic Nanoparticle Synthesis. Nanomaterials, 2020, 10, 2277.	4.1	5
21	A multi-purpose phantom kit for magnetic particle imaging. Current Directions in Biomedical Engineering, 2021, 7, 319-322.	0.4	1