Olaf Kosch

List of Publications by Year
in descending order

12	228	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel magnetic multicore nanoparticles designed for MPI and other biomedical applications: From synthesis to first in vivo studies. PLoS ONE, 2018, 13, e0190214.	2.5	61
2	Improved sensitivity and limit-of-detection using a receive-only coil in magnetic particle imaging. Physics in Medicine and Biology, 2018, 63, 13NT02.	3.0	35
3	Optimization of Iron Oxide Tracer Synthesis for Magnetic Particle Imaging. Nanomaterials, 2018, 8, 180.	4.1	23
4	MPI Phantom Study with A High-Performing Multicore Tracer Made by Coprecipitation. Nanomaterials, 2019, 9, 1466.	4.1	17
5	Ex vivo magnetic particle imaging of vascular inflammation in abdominal aortic aneurysm in a murine model. Scientific Reports, 2020, 10, 12410.	3.3	16
6	Evaluation of a separate-receive coil by magnetic particle imaging of a solid phantom. Journal of Magnetism and Magnetic Materials, 2019, 471, 444-449.	2.3	15
7	In vivo magnetic particle imaging: angiography of inferior vena cava and aorta in rats using newly developed multicore particles. Scientific Reports, 2020, 10, 17247.	3.3	15
8	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
9	Tailored Magnetic Multicore Nanoparticles for Use as Blood Pool MPI Tracers. Nanomaterials, 2021, 11, 1532.	4.1	11
10	Characterizing a Preclinical Magnetic Particle Imaging System With Separate Pickup Coil. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	10
11	Continuously manufactured single-core iron oxide nanoparticles for cancer theranostics as valuable contribution in translational research. Nanoscale Advances, 2020, 2, 4510-4521.	4.6	10
12	A dynamic bolus phantom for the evaluation of the spatio-temporal resolution of MPI scanners. Journal of Magnetism and Magnetic Materials, 2021, 519, 167446.	2.3	1