

Kannan M Krishnan

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,795
citations

257450

24
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

4882
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonequilibrium Dynamics of Magnetic Nanoparticles with Applications in Biomedicine. <i>Advanced Materials</i> , 2021, 33, e1904131.	21.0	90
2	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. <i>American Journal of Neuroradiology</i> , 2019, 40, 206-212.	2.4	133
3	Observing the colloidal stability of iron oxide nanoparticles <i>in situ</i> . <i>Nanoscale</i> , 2019, 11, 13098-13107.	5.6	30
4	Discriminating nanoparticle core size using multi-contrast MPI. <i>Physics in Medicine and Biology</i> , 2019, 64, 074001.	3.0	19
5	Intracellular dynamics of superparamagnetic iron oxide nanoparticles for magnetic particle imaging. <i>Nanoscale</i> , 2019, 11, 7771-7780.	5.6	39
6	Magnetic Particle Imaging: A Novel <i>in Vivo</i> Imaging Platform for Cancer Detection. <i>Nano Letters</i> , 2017, 17, 1648-1654.	9.1	260
7	First <i>in vivo</i> traumatic brain injury imaging via magnetic particle imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 3501-3509.	3.0	78
8	Tomographic magnetic particle imaging of cancer targeted nanoparticles. <i>Nanoscale</i> , 2017, 9, 18723-18730.	5.6	107
9	Towards Picogram Detection of Superparamagnetic Iron-Oxide Particles Using a Gradiometric Receive Coil. <i>Scientific Reports</i> , 2017, 7, 6872.	3.3	95
10	Monodisperse magnetite nanoparticles with nearly ideal saturation magnetization. <i>RSC Advances</i> , 2016, 6, 77452-77464.	3.6	133
11	Magnetic Particle Imaging With Tailored Iron Oxide Nanoparticle Tracers. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1077-1084.	8.9	177
12	Synthesis of phase-pure and monodisperse iron oxide nanoparticles by thermal decomposition. <i>Nanoscale</i> , 2015, 7, 11142-11154.	5.6	252
13	Tuning Surface Coatings of Optimized Magnetite Nanoparticle Tracers for <i>In Vivo</i> Magnetic Particle Imaging. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	35
14	<i>In Vivo</i> multimodal magnetic particle imaging (MPI) with tailored magneto/optical contrast agents. <i>Biomaterials</i> , 2015, 52, 251-261.	11.4	77
15	Lactoferrin conjugated iron oxide nanoparticles for targeting brain glioma cells in magnetic particle imaging. <i>Nanoscale</i> , 2015, 7, 16890-16898.	5.6	99
16	<i>In vivo</i> delivery, pharmacokinetics, biodistribution and toxicity of iron oxide nanoparticles. <i>Chemical Society Reviews</i> , 2015, 44, 8576-8607.	38.1	634
17	Intracellular performance of tailored nanoparticle tracers in magnetic particle imaging. <i>Journal of Applied Physics</i> , 2014, 115, 17B306.	2.5	27
18	Highly Stable Amine Functionalized Iron Oxide Nanoparticles Designed for Magnetic Particle Imaging (MPI). <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3500-3503.	2.1	26

#	ARTICLE	IF	CITATIONS
19	Monodisperse magnetite nanoparticle tracers for in vivo magnetic particle imaging. <i>Biomaterials</i> , 2013, 34, 3837-3845.	11.4	129
20	Size-dependent ferrohydrodynamic relaxometry of magnetic particle imaging tracers in different environments. <i>Medical Physics</i> , 2013, 40, 071904.	3.0	71
21	Tailoring the magnetic and pharmacokinetic properties of iron oxide magnetic particle imaging tracers. <i>Biomedizinische Technik</i> , 2013, 58, 493-507.	0.8	51
22	Tracer design for magnetic particle imaging (invited). <i>Journal of Applied Physics</i> , 2012, 111, 7B318-7B3185.	2.5	110
23	Space MPI: Magnetic Nanoparticles for Safe Medical Imaging. <i>Advanced Materials</i> , 2012, 24, 3870-3877.	21.0	248
24	Biomedical Nanomagnetism: A Spin Through Possibilities in Imaging, Diagnostics, and Therapy. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2523-2558.	2.1	683
25	Phase transfer of highly monodisperse iron oxide nanocrystals with Pluronic F127 for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 59-62.	2.3	89