

# Kannan M Krishnan

## List of Publications by Year in descending order

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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	Biomedical Nanomagnetism: A Spin Through Possibilities in Imaging, Diagnostics, and Therapy. IEEE Transactions on Magnetics, 2010, 46, 2523-2558.	2.1	683
2	In vivo delivery, pharmacokinetics, biodistribution and toxicity of iron oxide nanoparticles. Chemical Society Reviews, 2015, 44, 8576-8607.	38.1	634
3	Magnetic Particle Imaging: A Novel in Vivo Imaging Platform for Cancer Detection. Nano Letters, 2017, 17, 1648-1654.	9.1	260
4	Synthesis of phase-pure and monodisperse iron oxide nanoparticles by thermal decomposition. Nanoscale, 2015, 7, 11142-11154.	5.6	252
5	Space MPI: Magnetic Nanoparticles for Safe Medical Imaging. Advanced Materials, 2012, 24, 3870-3877.	21.0	248
6	Magnetic Particle Imaging With Tailored Iron Oxide Nanoparticle Tracers. IEEE Transactions on Medical Imaging, 2015, 34, 1077-1084.	8.9	177
7	Monodisperse magnetite nanoparticles with nearly ideal saturation magnetization. RSC Advances, 2016, 6, 77452-77464.	3.6	133
8	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. American Journal of Neuroradiology, 2019, 40, 206-212.	2.4	133
9	Monodisperse magnetite nanoparticle tracers for in vivo magnetic particle imaging. Biomaterials, 2013, 34, 3837-3845.	11.4	129
10	Tracer design for magnetic particle imaging (invited). Journal of Applied Physics, 2012, 111, 7B318-7B3185.	2.5	110
11	Tomographic magnetic particle imaging of cancer targeted nanoparticles. Nanoscale, 2017, 9, 18723-18730.	5.6	107
12	Lactoferrin conjugated iron oxide nanoparticles for targeting brain glioma cells in magnetic particle imaging. Nanoscale, 2015, 7, 16890-16898.	5.6	99
13	Towards Picogram Detection of Superparamagnetic Iron-Oxide Particles Using a Gradiometric Receive Coil. Scientific Reports, 2017, 7, 6872.	3.3	95
14	Nonequilibrium Dynamics of Magnetic Nanoparticles with Applications in Biomedicine. Advanced Materials, 2021, 33, e1904131.	21.0	90
15	Phase transfer of highly monodisperse iron oxide nanocrystals with Pluronic F127 for biomedical applications. Journal of Magnetism and Magnetic Materials, 2007, 311, 59-62.	2.3	89
16	First in vivo traumatic brain injury imaging via magnetic particle imaging. Physics in Medicine and Biology, 2017, 62, 3501-3509.	3.0	78
17	In vivo multimodal magnetic particle imaging (MPI) with tailored magneto/optical contrast agents. Biomaterials, 2015, 52, 251-261.	11.4	77
18	Size-dependent ferrohydrodynamic relaxometry of magnetic particle imaging tracers in different environments. Medical Physics, 2013, 40, 071904.	3.0	71

#	ARTICLE	IF	CITATIONS
19	Tailoring the magnetic and pharmacokinetic properties of iron oxide magnetic particle imaging tracers. <i>Biomedizinische Technik</i> , 2013, 58, 493-507.	0.8	51
20	Intracellular dynamics of superparamagnetic iron oxide nanoparticles for magnetic particle imaging. <i>Nanoscale</i> , 2019, 11, 7771-7780.	5.6	39
21	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
22	Observing the colloidal stability of iron oxide nanoparticles <i>in situ</i> . <i>Nanoscale</i> , 2019, 11, 13098-13107.	5.6	30
23	Intracellular performance of tailored nanoparticle tracers in magnetic particle imaging. <i>Journal of Applied Physics</i> , 2014, 115, 17B306.	2.5	27
24	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
25	Discriminating nanoparticle core size using multi-contrast MPI. <i>Physics in Medicine and Biology</i> , 2019, 64, 074001.	3.0	19