Zohreh Nemati Porshokouh

List of Publications by Year
in descending order

26 papers	1,261 citations	471061 17 h-index	552369 26 g-index
27 all docs	27 docs citations	27 times ranked	1755 citing authors

#	Article	IF	Citations
1	Bioapplications of Magnetic Nanowires: Barcodes, Biocomposites, Heaters. IEEE Transactions on Magnetics, 2022, 58, 1-6.	1.2	2
2	Hollow Magnetic Nanoparticles. Springer Series in Materials Science, 2021, , 137-158.	0.4	3
3	Selective Detection of Cancer Cells Using Magnetic Nanowires. ACS Applied Materials & Interfaces, 2021, 13, 21060-21066.	4.0	14
4	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. Nanomaterials, 2021, 11, 1380.	1.9	12
5	Realizing the Principles for Remote and Selective Detection of Cancer Cells Using Magnetic Nanowires. Journal of Physical Chemistry B, 2021, 125, 7742-7749.	1.2	5
6	Isolation of Cancer-Derived Exosomes Using a Variety of Magnetic Nanostructures: From Fe3O4 Nanoparticles to Ni Nanowires. Nanomaterials, 2020, 10, 1662.	1.9	29
7	Magnetic Isolation of Cancer-Derived Exosomes Using Fe/Au Magnetic Nanowires. ACS Applied Nano Materials, 2020, 3, 2058-2069.	2.4	26
8	Fabrication of Long-Range Ordered Aluminum Oxide and Fe/Au Multilayered Nanowires for 3-D Magnetic Memory. IEEE Transactions on Magnetics, 2020, 56, 1-6.	1.2	19
9	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. Applied Sciences (Switzerland), 2020, 10, 787.	1.3	17
10	Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. Physical Review Materials, 2020, 4, .	0.9	13
11	Development of a Biolabeling System Using Ferromagnetic Nanowires. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 134-142.	2.3	18
12	MÃ¶ssbauer Studies of Core-Shell FeO/Fe3O4 Nanoparticles. Physics of the Solid State, 2018, 60, 382-389.	0.2	15
13	Improving the Heating Efficiency of Iron Oxide Nanoparticles by Tuning Their Shape and Size. Journal of Physical Chemistry C, 2018, 122, 2367-2381.	1.5	178
14	Iron Oxide Nanospheres and Nanocubes for Magnetic Hyperthermia Therapy: A Comparative Study. Journal of Electronic Materials, 2017, 46, 3764-3769.	1.0	29
15	Superparamagnetic iron oxide nanodiscs for hyperthermia therapy: Does size matter?. Journal of Alloys and Compounds, 2017, 714, 709-714.	2.8	53
16	Exchange Bias Effects in Iron Oxide-Based Nanoparticle Systems. Nanomaterials, 2016, 6, 221.	1.9	124
17	Superparamagnetic nanoparticles encapsulated in lipid vesicles for advanced magnetic hyperthermia and biodetection. Journal of Applied Physics, 2016, 119, .	1.1	28
18	Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. Journal of Physical Chemistry C, 2016, 120, 8370-8379.	1.5	153

#	Article	IF	Citations
19	Core/shell iron/iron oxide nanoparticles: are they promising for magnetic hyperthermia?. RSC Advances, 2016, 6, 38697-38702.	1.7	53
20	Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. Journal of Physical Chemistry C, 2016, 120, 10086-10093.	1.5	209
21	Remotely Controlled Micromanipulation by Buckling Instabilities in Fe₃O₄ Nanoparticle Embedded Poly(<i>N</i>-isopropylacrylamide) Surface Arrays. ACS Applied Materials & Interfaces, 2016, 8, 28012-28018.	4.0	3
22	Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe3O4 nanoparticles. Journal of Applied Physics, 2015, 117, .	1.1	103
23	From core/shell to hollow Fe/<i>Î³</i>-Fe₂O₃nanoparticles: evolution of the magnetic behavior. Nanotechnology, 2015, 26, 405705.	1.3	33
24	FeCo nanowires with enhanced heating powers and controllable dimensions for magnetic hyperthermia. Journal of Applied Physics, 2015, 117, .	1.1	83
25	Impacts of surface spins and inter-particle interactions on the magnetism of hollow Î³-Fe2O3 nanoparticles. Journal of Applied Physics, 2014, 115, .	1.1	14
26	Laser Target Evaporation Fe₂O₃ Nanoparticles for Water-Based Ferrofluids for Biomedical Applications. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	25