

Zohreh Nemati Porshokouh

List of Publications by Year in descending order

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26
papers

1,261
citations

471061

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docs citations

27
times ranked

1755
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Tunable High Aspect Ratio Iron Oxide Nanorods for Enhanced Hyperthermia. Journal of Physical Chemistry C, 2016, 120, 10086-10093. | 1.5 | 209 |
| 2 | 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 |
| 3 | Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. Journal of Physical Chemistry C, 2016, 120, 8370-8379. | 1.5 | 153 |
| 4 | Exchange Bias Effects in Iron Oxide-Based Nanoparticle Systems. Nanomaterials, 2016, 6, 221. | 1.9 | 124 |
| 5 | Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe ₃ O ₄ nanoparticles. Journal of Applied Physics, 2015, 117, . | 1.1 | 103 |
| 6 | FeCo nanowires with enhanced heating powers and controllable dimensions for magnetic hyperthermia. Journal of Applied Physics, 2015, 117, . | 1.1 | 83 |
| 7 | Core/shell iron/iron oxide nanoparticles: are they promising for magnetic hyperthermia?. RSC Advances, 2016, 6, 38697-38702. | 1.7 | 53 |
| 8 | Superparamagnetic iron oxide nanodiscs for hyperthermia therapy: Does size matter?. Journal of Alloys and Compounds, 2017, 714, 709-714. | 2.8 | 53 |
| 9 | From core/shell to hollow Fe ₃ O ₄ -Fe ₂ O ₃ nanoparticles: evolution of the magnetic behavior. Nanotechnology, 2015, 26, 405705. | 1.3 | 33 |
| 10 | Iron Oxide Nanospheres and Nanocubes for Magnetic Hyperthermia Therapy: A Comparative Study. Journal of Electronic Materials, 2017, 46, 3764-3769. | 1.0 | 29 |
| 11 | Isolation of Cancer-Derived Exosomes Using a Variety of Magnetic Nanostructures: From Fe ₃ O ₄ Nanoparticles to Ni Nanowires. Nanomaterials, 2020, 10, 1662. | 1.9 | 29 |
| 12 | Superparamagnetic nanoparticles encapsulated in lipid vesicles for advanced magnetic hyperthermia and biodetection. Journal of Applied Physics, 2016, 119, . | 1.1 | 28 |
| 13 | Magnetic Isolation of Cancer-Derived Exosomes Using Fe/Au Magnetic Nanowires. ACS Applied Nano Materials, 2020, 3, 2058-2069. | 2.4 | 26 |
| 14 | Laser Target Evaporation Fe ₂ O ₃ Nanoparticles for Water-Based Ferrofluids for Biomedical Applications. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 1.2 | 25 |
| 15 | 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 |
| 16 | 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 |
| 17 | Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. Applied Sciences (Switzerland), 2020, 10, 787. | 1.3 | 17 |
| 18 | Mössbauer Studies of Core-Shell FeO/Fe ₃ O ₄ Nanoparticles. Physics of the Solid State, 2018, 60, 382-389. | 0.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Impacts of surface spins and inter-particle interactions on the magnetism of hollow $\hat{1}^3\text{-Fe}_2\text{O}_3$ nanoparticles. Journal of Applied Physics, 2014, 115, . | 1.1 | 14 |
| 20 | Selective Detection of Cancer Cells Using Magnetic Nanowires. ACS Applied Materials & Interfaces, 2021, 13, 21060-21066. | 4.0 | 14 |
| 21 | Investigating spin coupling across a three-dimensional interface in core/shell magnetic nanoparticles. Physical Review Materials, 2020, 4, . | 0.9 | 13 |
| 22 | Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. Nanomaterials, 2021, 11, 1380. | 1.9 | 12 |
| 23 | 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 |
| 24 | Remotely Controlled Micromanipulation by Buckling Instabilities in $\text{Fe}_{3}\text{O}_{4}$ Nanoparticle Embedded Poly(<i>N</i> -isopropylacrylamide) Surface Arrays. ACS Applied Materials & Interfaces, 2016, 8, 28012-28018. | 4.0 | 3 |
| 25 | Hollow Magnetic Nanoparticles. Springer Series in Materials Science, 2021, , 137-158. | 0.4 | 3 |
| 26 | Bioapplications of Magnetic Nanowires: Barcodes, Biocomposites, Heaters. IEEE Transactions on Magnetism, 2022, 58, 1-6. | 1.2 | 2 |