

Eneko Garaio

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

1,221
citations

12
h-index

17
g-index

17
ext. papers

1,477
ext. citations

5.6
avg, IF

4.28
L-index

#	Paper	IF	Citations
17	Fundamentals and advances in magnetic hyperthermia. <i>Applied Physics Reviews</i> , 2015 , 2, 041302	17.3	469
16	Improving the Heating Efficiency of Iron Oxide Nanoparticles by Tuning Their Shape and Size. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2367-2381	3.8	122
15	Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8370-8379	3.8	115
14	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in Ag/Fe ₃ O ₄ Nanoflowers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25162-9	9.5	75
13	Optimal Parameters for Hyperthermia Treatment Using Biomineralized Magnetite Nanoparticles: Theoretical and Experimental Approach. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24437-24448	3.8	71
12	Specific absorption rate dependence on temperature in magnetic field hyperthermia measured by dynamic hysteresis losses (ac magnetometry). <i>Nanotechnology</i> , 2015 , 26, 015704	3.4	65
11	Tuning Sizes, Morphologies, and Magnetic Properties of Monocore Versus Multicore Iron Oxide Nanoparticles through the Controlled Addition of Water in the Polyol Synthesis. <i>Inorganic Chemistry</i> , 2017 , 56, 8232-8243	5.1	61
10	A wide-frequency range AC magnetometer to measure the specific absorption rate in nanoparticles for magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 368, 432-437	2.8	59
9	A multifrequency electromagnetic applicator with an integrated AC magnetometer for magnetic hyperthermia experiments. <i>Measurement Science and Technology</i> , 2014 , 25, 115702	2	51
8	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. <i>Small</i> , 2019 , 15, e1902626	11	49
7	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. <i>Scientific Reports</i> , 2016 , 6, 39300	4.9	36
6	Harmonic phases of the nanoparticle magnetization: An intrinsic temperature probe. <i>Applied Physics Letters</i> , 2015 , 107, 123103	3.4	23
5	In Vivo Imaging of Local Gene Expression Induced by Magnetic Hyperthermia. <i>Genes</i> , 2017 , 8,	4.2	10
4	Exploring the potential of the dynamic hysteresis loops via high field, high frequency and temperature adjustable AC magnetometer for magnetic hyperthermia characterization. <i>International Journal of Hyperthermia</i> , 2020 , 37, 976-991	3.7	7
3	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
2	Instrumentation for Magnetic Hyperthermia 2019 , 111-138		3
1	Martensitic transformation controlled by electromagnetic field: From experimental evidence to wireless actuator applications. <i>Materials and Design</i> , 2022 , 110746	8.1	0

