

Eneko Garaio

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,688
citations

623188

14
h-index

940134

16
g-index

17
all docs

17
docs citations

17
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals and advances in magnetic hyperthermia. <i>Applied Physics Reviews</i> , 2015, 2, 041302.	5.5	615
2	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.	1.5	178
3	Enhanced Magnetic Hyperthermia in Iron Oxide Nano-Octopods: Size and Anisotropy Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8370-8379.	1.5	153
4	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, 25162-25169.	4.0	107
5	Optimal Parameters for Hyperthermia Treatment Using Biomineralized Magnetite Nanoparticles: Theoretical and Experimental Approach. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24437-24448.	1.5	94
6	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.	1.9	83
7	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.	1.0	81
8	Specific absorption rate dependence on temperature in magnetic field hyperthermia measured by dynamic hysteresis losses (ac magnetometry). <i>Nanotechnology</i> , 2015, 26, 015704.	1.3	80
9	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. <i>Small</i> , 2019, 15, e1902626.	5.2	79
10	A multifrequency electromagnetic applicator with an integrated AC magnetometer for magnetic hyperthermia experiments. <i>Measurement Science and Technology</i> , 2014, 25, 115702.	1.4	69
11	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 39300.	1.6	50
12	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.	1.1	33
13	Harmonic phases of the nanoparticle magnetization: An intrinsic temperature probe. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	30
14	In Vivo Imaging of Local Gene Expression Induced by Magnetic Hyperthermia. <i>Genes</i> , 2017, 8, 61.	1.0	15
15	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. <i>Nanomaterials</i> , 2021, 11, 1380.	1.9	12
16	Instrumentation for Magnetic Hyperthermia. , 2019, , 111-138.		7
17	Martensitic transformation controlled by electromagnetic field: From experimental evidence to wireless actuator applications. <i>Materials and Design</i> , 2022, 219, 110746.	3.3	2