Irati Rodrigo

List of Publications by Year
in descending order

17 papers	599 citations	759233 12 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	854 citing authors

#	Article	IF	Citations
1	Improving the Heating Efficiency of Iron Oxide Nanoparticles by Tuning Their Shape and Size. Journal of Physical Chemistry C, 2018, 122, 2367-2381.	3.1	178
2	Tuning Sizes, Morphologies, and Magnetic Properties of Monocore Versus Multicore Iron Oxide Nanoparticles through the Controlled Addition of Water in the Polyol Synthesis. Inorganic Chemistry, 2017, 56, 8232-8243.	4.0	83
3	Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents. Small, 2019, 15, e1902626.	10.0	79
4	Outstanding heat loss <i>via</i> nano-octahedra above 20 nm in size: from wustite-rich nanoparticles to magnetite single-crystals. Nanoscale, 2019, 11, 16635-16649.	5.6	38
5	Exploring the potential of the dynamic hysteresis loops via high field, high frequency and temperature adjustable AC magnetometer for magnetic hyperthermia characterization. International Journal of Hyperthermia, 2020, 37, 976-991.	2.5	33
6	A Milestone in the Chemical Synthesis of Fe₃O₄ Nanoparticles: Unreported Bulklike Properties Lead to a Remarkable Magnetic Hyperthermia. Chemistry of Materials, 2021, 33, 8693-8704.	6.7	31
7	Highly Reproducible Hyperthermia Response in Water, Agar, and Cellular Environment by Discretely PEGylated Magnetite Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 27917-27929.	8.0	27
8	Magnetic Particle Imaging: An Emerging Modality with Prospects in Diagnosis, Targeting and Therapy of Cancer. Cancers, 2021, 13, 5285.	3.7	26
9	Proposal of New Safety Limits for In Vivo Experiments of Magnetic Hyperthermia Antitumor Therapy. Cancers, 2022, 14, 3084.	3.7	23
10	Shaping Up Zn-Doped Magnetite Nanoparticles from Mono- and Bimetallic Oleates: The Impact of Zn Content, Fe Vacancies, and Morphology on Magnetic Hyperthermia Performance. Chemistry of Materials, 2021, 33, 3139-3154.	6.7	19
11	Coreâ€“Shell Fe₃O₄@Au Nanorod-Loaded Gels for Tunable and Anisotropic Magneto- and Photothermia. ACS Applied Materials & Interfaces, 2022, 14, 7130-7140.	8.0	19
12	Magnetic Vortex and Hyperthermia Suppression in Multigrain Iron Oxide Nanorings. Applied Sciences (Switzerland), 2020, 10, 787.	2.5	17
13	Iron Oxide Nanorings and Nanotubes for Magnetic Hyperthermia: The Problem of Intraparticle Interactions. Nanomaterials, 2021, 11, 1380.	4.1	12
14	Nanoflowers Versus Magnetosomes: Comparison Between Two Promising Candidates for Magnetic Hyperthermia Therapy. IEEE Access, 2021, 9, 99552-99561.	4.2	9
15	Magnetic Hyperthermia: Unlocking the Potential of Magnetotactic Bacteria as Magnetic Hyperthermia Agents (Small 41/2019). Small, 2019, 15, 1970222.	10.0	2
16	Biochemical and Metabolomic Changes after Electromagnetic Hyperthermia Exposure to Treat Colorectal Cancer Liver Implants in Rats. Nanomaterials, 2021, 11, 1318.	4.1	2
17	Design, Construction, and Characterization of a Magic Angle Field Spinning RF Magnet. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4094-4103.	4.7	1