

Lourdes Marcano

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

315
citations

840776

11
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Configuration of the magnetosome chain: a natural magnetic nanoarchitecture. <i>Nanoscale</i> , 2018, 10, 7407-7419.	5.6	47
2	A Milestone in the Chemical Synthesis of Fe ₃ O ₄ Nanoparticles: Unreported Bulklike Properties Lead to a Remarkable Magnetic Hyperthermia. <i>Chemistry of Materials</i> , 2021, 33, 8693-8704.	6.7	31
3	Mn-Doping level dependence on the magnetic response of Mn _x Fe _{3-<i>x</i>} O ₄ ferrite nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 11480-11491.	3.3	26
4	On the mineral core of ferritin-like proteins: structural and magnetic characterization. <i>Nanoscale</i> , 2016, 8, 1088-1099.	5.6	25
5	Magnetic Study of Co-Doped Magnetosome Chains. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7541-7550.	3.1	24
6	Influence of the bacterial growth phase on the magnetic properties of magnetosomes synthesized by <i>Magnetospirillum gryphiswaldense</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1507-1514.	2.4	23
7	Extremely long-range, high-temperature Josephson coupling across a half-metallic ferromagnet. <i>Nature Materials</i> , 2022, 21, 188-194.	27.5	20
8	Shaping Up Zn-Doped Magnetite Nanoparticles from Mono- and Bimetallic Oleates: The Impact of Zn Content, Fe Vacancies, and Morphology on Magnetic Hyperthermia Performance. <i>Chemistry of Materials</i> , 2021, 33, 3139-3154.	6.7	19
9	Magnetosomes could be protective shields against metal stress in magnetotactic bacteria. <i>Scientific Reports</i> , 2020, 10, 11430.	3.3	18
10	Elucidating the role of shape anisotropy in faceted magnetic nanoparticles using biogenic magnetosomes as a model. <i>Nanoscale</i> , 2020, 12, 16081-16090.	5.6	15
11	Probing the stability and magnetic properties of magnetosome chains in freeze-dried magnetotactic bacteria. <i>Nanoscale Advances</i> , 2020, 2, 1115-1121.	4.6	11
12	Controlled Magnetic Anisotropy in Single Domain Mn-doped Biosynthesized Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22827-22838.	3.1	9
13	Nanoflowers Versus Magnetosomes: Comparison Between Two Promising Candidates for Magnetic Hyperthermia Therapy. <i>IEEE Access</i> , 2021, 9, 99552-99561.	4.2	9
14	Nonreciprocal Transport in a Rashba Ferromagnet, Delafossite PdCoO ₂ . <i>Nano Letters</i> , 2021, 21, 8687-8692.	9.1	9
15	Studying nanoparticles' 3D shape by aspect maps: Determination of the morphology of bacterial magnetic nanoparticles. <i>Faraday Discussions</i> , 2016, 191, 177-188.	3.2	7
16	Using the singular value decomposition to extract 2D correlation functions from scattering patterns. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, 766-771.	0.1	7
17	Towards the design of contrast-enhanced agents: systematic Ga ³⁺ doping on magnetite nanoparticles. <i>Dalton Transactions</i> , 2022, 51, 2517-2530.	3.3	4
18	Magnetic Anisotropy of Individual Nanomagnets Embedded in Biological Systems Determined by Axi-asymmetric X-ray Transmission Microscopy. <i>ACS Nano</i> , 2022, 16, 7398-7408.	14.6	4

#	ARTICLE	IF	CITATIONS
19	Nature Driven Magnetic Nanoarchitectures. Springer Series in Materials Science, 2021, , 159-179.	0.6	3
20	Modifying the magnetic response of magnetotactic bacteria: incorporation of Gd and Tb ions into the magnetosome structure. Nanoscale Advances, 2022, 4, 2649-2659.	4.6	3
21	Correction to "Magnetic Study of Co-Doped Magnetosome Chains". Journal of Physical Chemistry C, 0, , .	3.1	0