

# 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	Extremely long-range, high-temperature Josephson coupling across a half-metallic ferromagnet. <i>Nature Materials</i> , 2022, 21, 188-194.	27.5	20
2	Towards the design of contrast-enhanced agents: systematic Ga <sup>3+</sup> doping on magnetite nanoparticles. <i>Dalton Transactions</i> , 2022, 51, 2517-2530.	3.3	4
3	Modifying the magnetic response of magnetotactic bacteria: incorporation of Gd and Tb ions into the magnetosome structure. <i>Nanoscale Advances</i> , 2022, 4, 2649-2659.	4.6	3
4	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
5	Nature Driven Magnetic Nanoarchitectures. <i>Springer Series in Materials Science</i> , 2021, , 159-179.	0.6	3
6	Nanoflowers Versus Magnetosomes: Comparison Between Two Promising Candidates for Magnetic Hyperthermia Therapy. <i>IEEE Access</i> , 2021, 9, 99552-99561.	4.2	9
7	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
8	Nonreciprocal Transport in a Rashba Ferromagnet, Delafossite PdCoO <sub>2</sub> . <i>Nano Letters</i> , 2021, 21, 8687-8692.	9.1	9
9	A Milestone in the Chemical Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles: Unreported Bulklike Properties Lead to a Remarkable Magnetic Hyperthermia. <i>Chemistry of Materials</i> , 2021, 33, 8693-8704.	6.7	31
10	Controlled Magnetic Anisotropy in Single Domain Mn-doped Biosynthesized Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22827-22838.	3.1	9
11	Magnetosomes could be protective shields against metal stress in magnetotactic bacteria. <i>Scientific Reports</i> , 2020, 10, 11430.	3.3	18
12	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
13	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
14	Mn-Doping level dependence on the magnetic response of Mn <sub>x</sub> Fe <sub>3-4x</sub> O <sub>4</sub> ferrite nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 11480-11491.	3.3	26
15	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
16	Configuration of the magnetosome chain: a natural magnetic nanoarchitecture. <i>Nanoscale</i> , 2018, 10, 7407-7419.	5.6	47
17	Magnetic Study of Co-Doped Magnetosome Chains. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7541-7550.	3.1	24
18	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

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19	Studying nanoparticlesâ€™ 3D shape by aspect maps: Determination of the morphology of bacterial magnetic nanoparticles. Faraday Discussions, 2016, 191, 177-188.	3.2	7
20	On the mineral core of ferritin-like proteins: structural and magnetic characterization. Nanoscale, 2016, 8, 1088-1099.	5.6	25
21	Correction to â€œMagnetic Study of Co-Doped Magnetosome Chainsâ€: Journal of Physical Chemistry C, 0, , .	3.1	0