

# Irene Morales Casero

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

150  
citations

1307594

7  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Frequency Hysteresis Losses on $\hat{\text{I}}^3\text{-Fe}_2\text{O}_3$ and $\text{Fe}_3\text{O}_4$ : Susceptibility as a Magnetic Stamp for Chain Formation. <i>Nanomaterials</i> , 2018, 8, 970.	4.1	48
2	Hybrid nanoparticles for magnetic and plasmonic hyperthermia. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24065-24073.	2.8	23
3	Colossal heating efficiency via eddy currents in amorphous microwires with nearly zero magnetostriction. <i>Scientific Reports</i> , 2020, 10, 602.	3.3	15
4	Aerogelation of Polymer-Coated Photoluminescent, Plasmonic, and Magnetic Nanoparticles for Biosensing Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 6678-6688.	5.0	13
5	Time-dependent AC magnetometry and chain formation in magnetite: the influence of particle size, initial temperature and the shortening of the relaxation time by the applied field. <i>Nanoscale Advances</i> , 2021, 3, 5801-5812.	4.6	12
6	Spin transition nanoparticles made electrochemically. <i>Nanoscale</i> , 2020, 12, 5412-5421.	5.6	9
7	Induction Heating in Nanoparticle Impregnated Zeolite. <i>Materials</i> , 2020, 13, 4013.	2.9	8
8	Coexistence of antiferro- and ferrimagnetism in the spinel $\text{ZnFe}_2\text{O}_4$ with an inversion degree $\hat{\text{I}}$ lower than 0.3. <i>Ceramics International</i> , 2022, 48, 12048-12055.	4.8	8
9	Local Induction Heating Capabilities of Zeolites Charged with Metal and Oxide MNPs for Application in HDPE Hydrocracking: A Proof of Concept. <i>Materials</i> , 2021, 14, 1029.	2.9	7
10	Nonlinear fiber gyroscope for quantum metrology. <i>Physical Review A</i> , 2016, 94, .	2.5	6
11	Modulation of Crystallinity through Radiofrequency Electromagnetic Fields in PLLA/Magnetic Nanoparticles Composites: A Proof of Concept. <i>Materials</i> , 2021, 14, 4300.	2.9	1