

Marco A Garza-Navarro

List of Publications by Year in descending order

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35
papers

749
citations

567281

15
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

1342
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photoelectrochemical water splitting on heterostructured $\text{Fe}^{1\pm}\text{-Fe}_2\text{O}_3\text{-TiO}_2\text{:X}$ ($\text{X}=\text{Co, Cu, Bi}$) photoanodes: Role of metal doping on charge carrier dynamics improvement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 410, 113077.	3.9	26
2	Description of the interaction phenomenology between phases for multimodal hybrid nanostructures. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	0
3	Dry Reforming of Methane for Hydrogen Production Using Bimetallic Catalysts of Pt-Fe Supported on $\gamma\text{-Al}_2\text{O}_3$. <i>ChemistrySelect</i> , 2021, 6, 12685-12695.	1.5	6
4	Microwave-Assisted Synthesis of <i>trans</i> -Cinnamic Acid for Highly Efficient Removal of Copper from Aqueous Solution. <i>ACS Omega</i> , 2020, 5, 317-326.	3.5	2
5	Antimicrobial activity and inhibition of biofilm formation in vitro and on human dentine by silver nanoparticles/carboxymethyl-cellulose composites. <i>Archives of Oral Biology</i> , 2020, 120, 104943.	1.8	10
6	Engineering nanostructured spinel ferrites by co-substitution for total water electrolysis by preferential exposure of metal cations on the surface. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3915-3925.	4.9	5
7	Influence of Polysaccharides™ Molecular Structure on the Antibacterial Activity and Cytotoxicity of Green Synthesized Composites Based on Silver Nanoparticles and Carboxymethyl-Cellulose. <i>Nanomaterials</i> , 2020, 10, 1164.	4.1	27
8	Polysaccharide-based hybrid nanostructures with tunable magnetic response. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 243, 158-166.	3.5	3
9	On the microwave absorption of magnetic nanofluids based on barium hexaferrite in the S and X bands prepared by pulsed laser ablation in liquid. <i>AIP Advances</i> , 2019, 9, 035035.	1.3	5
10	Virucidal Activity of Gold Nanoparticles Synthesized by Green Chemistry Using Garlic Extract. <i>Viruses</i> , 2019, 11, 1111.	3.3	116
11	Synthesis and characterization of bimetallic catalysts Pd-Ru and Pt-Ru supported on $\gamma\text{-Al}_2\text{O}_3$ and zeolite FAU for the catalytic transformation of HMF. <i>Fuel</i> , 2019, 239, 191-201.	6.4	49
12	Comparison between the catalytic and photocatalytic activities of Cu/Al ₂ O ₃ and TiO ₂ in the liquid phase oxidation of methanol-ethanol mixtures: Development of a kinetic model for the preparation of catalyst. <i>Applied Catalysis A: General</i> , 2018, 562, 184-197.	4.3	9
13	Synthesis of surfactant free stable nanofluids based on barium hexaferrite by pulsed laser ablation in liquid. <i>RSC Advances</i> , 2018, 8, 19261-19271.	3.6	18
14	Magnetic nanofibrous materials based on CMC/PVA polymeric blends. <i>Carbohydrate Polymers</i> , 2018, 200, 289-296.	10.2	20
15	Thermal stability of the immobilization process of horseradish peroxidase in electrospun polymeric nanofibers. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	12
16	5-Hydroxymethylfurfural catalytic oxidation under mild conditions by Co (II), Fe (III) and Cu (II) Salen complexes supported on SBA-15: Synthesis, characterization and activity. <i>Applied Catalysis A: General</i> , 2017, 547, 132-145.	4.3	54
17	Antimicrobial properties and dental pulp stem cell cytotoxicity using carboxymethyl cellulose-silver nanoparticles deposited on titanium plates. <i>Acta Biomaterialia Odontologica Scandinavica</i> , 2016, 2, 60-67.	4.0	8
18	Plasmonic/Magnetic Multifunctional nanoplatform for Cancer Theranostics. <i>Scientific Reports</i> , 2016, 6, 34874.	3.3	41

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19	Tailoring the magnetic properties of cobalt-ferrite nanoclusters. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	13
20	Electrospun polyvinylidene fluoride nanofibers by bubble electrospinning technique. <i>Materials Letters</i> , 2016, 167, 34-37.	2.6	17
21	Silver/polysaccharide-based nanofibrous materials synthesized from green chemistry approach. <i>Carbohydrate Polymers</i> , 2016, 136, 46-53.	10.2	27
22	Cobalt ferrite nanowhiskers as T ₂ MRI contrast agent. <i>RSC Advances</i> , 2015, 5, 17223-17227.	3.6	22
23	Encapsulation and immobilization of papain in electrospun nanofibrous membranes of PVA cross-linked with glutaraldehyde vapor. <i>Materials Science and Engineering C</i> , 2015, 52, 306-314.	7.3	94
24	Synthesis and characterization of La _x Co _{1-x} O ₃ : Role of microstructure on magnetic properties. <i>Journal of Rare Earths</i> , 2015, 33, 277-281.	4.8	14
25	Hybrid nanostructured materials with tunable magnetic characteristics. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
26	Aberration Corrected STEM Study of the Surface of Lead Chalcogenide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22291-22298.	3.1	15
27	One-dimensional ordered growth of magneto-crystalline and biocompatible cobalt ferrite nano-needles. <i>Materials Letters</i> , 2014, 135, 67-70.	2.6	9
28	One-pot synthesis of magnetic hybrid materials based on ovoid-like carboxymethyl-cellulose/cetyltrimethylammonium-bromide templates. <i>Materials Chemistry and Physics</i> , 2013, 141, 735-743.	4.0	10
29	On the role of PbO atoms on the nucleation and growth of PbSe and PbTe nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	15
30	Totally Ecofriendly Synthesis of Silver Nanoparticles from Aqueous Dissolutions of Polysaccharides. <i>International Journal of Polymer Science</i> , 2013, 2013, 1-8.	2.7	34
31	Modeling of isochronal complex magnetic susceptibility of polymer-magnetic nanocomposites using fractional calculus. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2154-2161.	2.6	4
32	Magnetite and magnetite/silver core/shell nanoparticles with diluted magnet-like behavior. <i>Journal of Solid State Chemistry</i> , 2010, 183, 99-104.	2.9	24
33	Elaboration of superparamagnetic cobalt-ferrite nanocomposites from films of chitosan chelates. <i>Journal of Applied Polymer Science</i> , 2010, 117, 785-792.	2.6	9
34	Synthesis of Spinel-Metal-Oxide/Biopolymer Hybrid Nanostructured Materials. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17574-17579.	3.1	21
35	Application of fractional calculus to the modeling of the complex magnetic susceptibility for polymeric-magnetic nanocomposites dispersed into a liquid media. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1943-1948.	2.6	3