

Marco A Garza-Navarro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3255291/publications.pdf>

Version: 2024-02-01

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	Virucidal Activity of Gold Nanoparticles Synthesized by Green Chemistry Using Garlic Extract. <i>Viruses</i> , 2019, 11, 1111.	3.3	116
2	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
3	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
4	Synthesis and characterization of bimetallic catalysts Pd-Ru and Pt-Ru supported on γ -alumina and zeolite FAU for the catalytic transformation of HMF. <i>Fuel</i> , 2019, 239, 191-201.	6.4	49
5	Plasmonic/Magnetic Multifunctional nanoplatform for Cancer Theranostics. <i>Scientific Reports</i> , 2016, 6, 34874.	3.3	41
6	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
7	Silver/polysaccharide-based nanofibrous materials synthesized from green chemistry approach. <i>Carbohydrate Polymers</i> , 2016, 136, 46-53.	10.2	27
8	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
9	Enhanced photoelectrochemical water splitting on heterostructured γ -Fe ₂ O ₃ -TiO ₂ :X (X = 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
10	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
11	Cobalt ferrite nanowiskers as T ₂ MRI contrast agent. <i>RSC Advances</i> , 2015, 5, 17223-17227.	3.6	22
12	Synthesis of Spinel-Metal-Oxide/Biopolymer Hybrid Nanostructured Materials. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17574-17579.	3.1	21
13	Magnetic nanofibrous materials based on CMC/PVA polymeric blends. <i>Carbohydrate Polymers</i> , 2018, 200, 289-296.	10.2	20
14	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
15	Electrospun polyvinylidene fluoride nanofibers by bubble electrospinning technique. <i>Materials Letters</i> , 2016, 167, 34-37.	2.6	17
16	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
17	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
18	Synthesis and characterization of La _x Ni _{1-x} CoO ₃ : Role of microstructure on magnetic properties. <i>Journal of Rare Earths</i> , 2015, 33, 277-281.	4.8	14

#	ARTICLE	IF	CITATIONS
19	Tailoring the magnetic properties of cobalt-ferrite nanoclusters. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	13
20	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
21	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
22	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
23	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
24	One-dimensional ordered growth of magneto-crystalline and biocompatible cobalt ferrite nano-needles. <i>Materials Letters</i> , 2014, 135, 67-70.	2.6	9
25	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
26	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
27	Hybrid nanostructured materials with tunable magnetic characteristics. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
28	Dry Reforming of Methane for Hydrogen Production Using Bimetallic Catalysts of Pt-Fe Supported on γ -Alumina. <i>ChemistrySelect</i> , 2021, 6, 12685-12695.	1.5	6
29	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
30	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
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	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
33	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
34	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
35	Description of the interaction phenomenology between phases for multimodal hybrid nanostructures. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	0