

Adriana Herrera

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

930
citations

15
h-index

30
g-index

43
ext. papers

1,069
ext. citations

3.4
avg, IF

4.64
L-index

#	Paper	IF	Citations
43	Synthesis of a magnetic iron oxide/zinc oxide engineered nanocatalyst for enhanced visible-light photodegradation of Cartasol brilliant violet 5BFN in aqueous solution. <i>Nano Structures Nano Objects</i> , 2021 , 26, 100730	5.6	3
42	Environmental Sustainability Evaluation of Iron Oxide Nanoparticles Synthesized via Green Synthesis and the Coprecipitation Method: A Comparative Life Cycle Assessment Study. <i>ACS Omega</i> , 2021 , 6, 12410-12423	3.9	5
41	Preparation and characterization of magnetic cellulose fibers modified with cobalt ferrite nanoparticles. <i>Materials Chemistry and Physics</i> , 2021 , 259, 122778	4.4	5
40	Metal- and metal/oxide-based engineered nanoparticles and nanostructures: a review on the applications, nanotoxicological effects, and risk control strategies. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 16962-16981	5.1	7
39	Efficient Sulfate Adsorption on Modified Adsorbents Prepared from Zea mays Stems. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1596	2.6	2
38	Polycyclic aromatic hydrocarbons (PAHs) adsorption from aqueous solution using chitosan beads modified with thiourea, TiO ₂ and Fe ₃ O ₄ nanoparticles. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101378	7	8
37	Rheological behavior of magnetic pulp fiber suspensions. <i>Tappi Journal</i> , 2021 , 20, 393-403	0.5	
36	Environmental and Exergetic Analysis of Large-Scale Production of Citric Acid-Coated Magnetite Nanoparticles via Computer-Aided Process Engineering Tools. <i>ACS Omega</i> , 2021 , 6, 3644-3658	3.9	0
35	Magnetic paper from sugarcane bagasse fibers modified with cobalt ferrite nanoparticles. <i>Cellulose</i> , 2020 , 27, 3903-3918	5.5	5
34	Synthesis of FeO@SiO ₂ -DNA core-shell engineered nanostructures for rapid adsorption of heavy metals in aqueous solutions.. <i>RSC Advances</i> , 2020 , 10, 39284-39294	3.7	6
33	Ionotropic Gelation Synthesis of Chitosan-Alginate Nanodisks for Delivery System and In Vitro Assessment of Prostate Cancer Cytotoxicity. <i>International Journal of Polymer Science</i> , 2020 , 2020, 1-10	2.4	5
32	Green synthesis of iron oxide nanoparticles using Cymbopogon citratus extract and sodium carbonate salt: Nanotoxicological considerations for potential environmental applications. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020 , 14, 100377	3.3	12
31	Ionic Cross-Linking Fabrication of Chitosan-Based Beads Modified with FeO and TiO Nanoparticles: Adsorption Mechanism toward Naphthalene Removal in Seawater from Cartagena Bay Area. <i>ACS Omega</i> , 2020 , 5, 26463-26475	3.9	13
30	Enhancement of Cadmium Adsorption Capacities of Agricultural Residues and Industrial Fruit Byproducts by the Incorporation of AlO Nanoparticles. <i>ACS Omega</i> , 2020 , 5, 23645-23653	3.9	6
29	Preparation of modified paints with nano-structured additives and its potential applications. <i>Nanomaterials and Nanotechnology</i> , 2020 , 10, 184798042090918	2.9	22
28	Fe-TiO ₂ Nanoparticles Synthesized by Green Chemistry for Potential Application in Waste Water Photocatalytic Treatment. <i>Journal of Nanotechnology</i> , 2019 , 2019, 1-11	3.5	35
27	Immobilization of Lead and Nickel Ions from Polluted Yam Peels Biomass Using Cement-Based Solidification/Stabilization Technique. <i>International Journal of Chemical Engineering</i> , 2019 , 2019, 1-8	2.2	3

26	Adsorption kinetics, isotherms and desorption studies of mercury from aqueous solution at different temperatures on magnetic sodium alginate-thiourea microbeads. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019 , 12, 100243	3.3	9
25	Activated Carbon from Yam Peels Modified with Fe ₃ O ₄ for Removal of 2,4-Dichlorophenoxyacetic Acid in Aqueous Solution. <i>Water (Switzerland)</i> , 2019 , 11, 2342	3	15
24	Preparation of biodegradable films based on modified Colombian starches from Ipomoea batatas, Manihot esculenta, Dioscorea rotundata and Zea mays. <i>Materials Technology</i> , 2019 , 34, 157-166	2.1	5
23	Modification of Cotton Fibers with Magnetite and Magnetic Core-Shell Mesoporous Silica Nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1800266	1.6	10
22	Design of an Emulgel-Type Cosmetic with Antioxidant Activity Using Active Essential Oil Microcapsules of Thyme (<i>Thymus vulgaris</i> L.), Cinnamon (<i>Cinnamomum verum</i> J.), and Clove (<i>Eugenia caryophyllata</i> T.). <i>International Journal of Polymer Science</i> , 2018 , 2018, 1-16	2.4	9
21	Life cycle analysis of the synthesis of eco-friendly metallic nanoparticles. <i>Contemporary Engineering Sciences</i> , 2018 , 11, 1227-1234	0.8	2
20	Synthesis of zinc oxide nanoparticles from mango and soursop leaf extracts. <i>Contemporary Engineering Sciences</i> , 2018 , 11, 395-403	0.8	5
19	Physico-chemical characterization of superficial water and sediments from Cartagena bay. <i>Contemporary Engineering Sciences</i> , 2018 , 11, 1571-1578	0.8	4
18	Removal of mercury (II) from water using magnetic nanoparticles coated with amino organic ligands and yam peel biomass. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 10, 486-493	3.3	9
17	Oriented Growth of MnO Nanorods Using Natural Extracts from Grape Stems and Apple Peels. <i>Nanomaterials</i> , 2017 , 7,	5.4	31
16	Evaluation of colloidal stability, kinematic viscosity and flash point of B10 Diesel/Biodiesel blends using nanostructured additives based on Al ₂ O ₃ and oleic acid. <i>CTyF - Ciencia, Tecnologia Y Futuro</i> , 2017 , 6, 71-82	0.5	2
15	Chromatographic analysis of phytochemicals components present in mangifera indica leaves for the synthesis of silver nanoparticles by AgNO ₃ reduction. <i>Journal of Physics: Conference Series</i> , 2016 , 687, 012033	0.3	8
14	Evaluation of the photocatalytic activity of iron oxide nanoparticles functionalized with titanium dioxide. <i>Journal of Physics: Conference Series</i> , 2016 , 687, 012034	0.3	5
13	Tissue-specific direct microtransfer of nanomaterials into Drosophila embryos as a versatile in vivo test bed for nanomaterial toxicity assessment. <i>International Journal of Nanomedicine</i> , 2014 , 9, 2031-41	7.3	14
12	Effect of surface charge on the colloidal stability and in vitro uptake of carboxymethyl dextran-coated iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1874	2.3	111
11	Influence of aging time of oleate precursor on the magnetic relaxation of cobalt ferrite nanoparticles synthesized by the thermal decomposition method. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 328, 41-52	2.8	52
10	Effect of poly(ethylene oxide)-silane graft molecular weight on the colloidal properties of iron oxide nanoparticles for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 40-50	0.3	48
9	Development and validation of a 10 kHz - 1 MHz magnetic susceptometer with constant excitation field. <i>Journal of Applied Physics</i> , 2012 , 111, 07E349	2.5	6

8	The effect of grafting method on the colloidal stability and in vitro cytotoxicity of carboxymethyl dextran coated magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8539		49
7	Monitoring colloidal stability of polymer-coated magnetic nanoparticles using AC susceptibility measurements. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 540-9	9.3	38
6	Preparation of epidermal growth factor (EGF) conjugated iron oxide nanoparticles and their internalization into colon cancer cells. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2244-2250	2.8	36
5	Colloidal dispersions of monodisperse magnetite nanoparticles modified with poly(ethylene glycol). <i>Journal of Colloid and Interface Science</i> , 2009 , 329, 107-13	9.3	112
4	Surface modification of magnetite nanoparticles for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1397-1399	2.8	48
3	Synthesis and functionalization of magnetite nanoparticles with aminopropylsilane and carboxymethyl dextran. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3650		52
2	Multifunctional magnetite nanoparticles coated with fluorescent thermo-responsive polymeric shells. <i>Journal of Materials Chemistry</i> , 2008 , 18, 855		51
1	Synthesis and agglomeration of gold nanoparticles in reverse micelles. <i>Nanotechnology</i> , 2005 , 16, S618-254		62