Adriana Herrera

List of Publications by Citations

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	Colloidal dispersions of monodisperse magnetite nanoparticles modified with poly(ethylene glycol). *Journal of Colloid and Interface Science*, **2009**, 329, 107-13	9.3	112
42	Effect of surface charge on the colloidal stability and in vitro uptake of carboxymethyl dextran-coated iron oxide nanoparticles. *Journal of Nanoparticle Research*, **2013**, 15, 1874	2.3	111
41	Synthesis and agglomeration of gold nanoparticles in reverse micelles. *Nanotechnology*, **2005**, 16, S618-25	3.4	62
40	Influence of aging time of oleate precursor on the magnetic relaxation of cobalt ferrite nanoparticles synthesized by the thermal decomposition method. *Journal of Magnetism and Magnetic Materials*, **2013**, 328, 41-52	2.8	52
39	Synthesis and functionalization of magnetite nanoparticles with aminopropylsilane and carboxymethyldextran. *Journal of Materials Chemistry*, **2008**, 18, 3650		52
38	Multifunctional magnetite nanoparticles coated with fluorescent thermo-responsive polymeric shells. *Journal of Materials Chemistry*, **2008**, 18, 855		51
37	The effect of grafting method on the colloidal stability and in vitro cytotoxicity of carboxymethyl dextran coated magnetic nanoparticles. *Journal of Materials Chemistry*, **2010**, 20, 8539		49
36	Effect of poly(ethylene oxide)-silane graft molecular weight on the colloidal properties of iron oxide nanoparticles for biomedical applications. *Journal of Colloid and Interface Science*, **2012**, 377, 40-50	9.3	48
35	Surface modification of magnetite nanoparticles for biomedical applications. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1397-1399	2.8	48
34	Monitoring colloidal stability of polymer-coated magnetic nanoparticles using AC susceptibility measurements. *Journal of Colloid and Interface Science*, **2010**, 342, 540-9	9.3	38
33	Preparation of epidermal growth factor (EGF) conjugated iron oxide nanoparticles and their internalization into colon cancer cells. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2244-2250	2.8	36
32	Fe-TiO2 Nanoparticles Synthesized by Green Chemistry for Potential Application in Waste Water Photocatalytic Treatment. *Journal of Nanotechnology*, **2019**, 2019, 1-11	3.5	35
31	Oriented Growth of □MnO□Nanorods Using Natural Extracts from Grape Stems and Apple Peels. *Nanomaterials*, **2017**, 7,	5.4	31
30	Preparation of modified paints with nano-structured additives and its potential applications. *Nanomaterials and Nanotechnology*, **2020**, 10, 184798042090918	2.9	22
29	Activated Carbon from Yam Peels Modified with Fe3O4 for Removal of 2,4-Dichlorophenoxyacetic Acid in Aqueous Solution. *Water (Switzerland)*, **2019**, 11, 2342	3	15
28	Tissue-specific direct microtransfer of nanomaterials into Drosophila embryos as a versatile in vivo test bed for nanomaterial toxicity assessment. *International Journal of Nanomedicine*, **2014**, 9, 2031-41	7.3	14
27	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. *ACS Omega*, **2020**, 5, 26463-26475	3.9	13

26	Green synthesis of iron oxide nanoparticles using Cymbopogon citratus extract and sodium carbonate salt: Nanotoxicological considerations for potential environmental applications. *Environmental Nanotechnology, Monitoring and Management*, **2020**, 14, 100377	3.3	12
25	Modification of Cotton Fibers with Magnetite and Magnetic Core-Shell Mesoporous Silica Nanoparticles. *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1800266	1.6	10
24	Adsorption kinetics, isotherms and desorption studies of mercury from aqueous solution at different temperatures on magnetic sodium alginate-thiourea microbeads. *Environmental Nanotechnology, Monitoring and Management*, **2019**, 12, 100243	3.3	9
23	Design of an Emulgel-Type Cosmetic with Antioxidant Activity Using Active Essential Oil Microcapsules of Thyme (Thymus vulgaris L.), Cinnamon (Cinnamomum verum J.), and Clove (Eugenia caryophyllata T.). *International Journal of Polymer Science*, **2018**, 2018, 1-16	2.4	9
22	Removal of mercury (II) from water using magnetic nanoparticles coated with amino organic ligands and yam peel biomass. *Environmental Nanotechnology, Monitoring and Management*, **2018**, 10, 486-493	3.3	9
21	Chromatographic analysis of phytochemicals components present in mangifera indica leaves for the synthesis of silver nanoparticles by AgNO3reduction. *Journal of Physics: Conference Series*, **2016** , 687, 012033	0.3	8
20	Polycyclic aromatic hydrocarbons (PAHs) adsorption from aqueous solution using chitosan beads modified with thiourea, TiO2 and Fe3O4 nanoparticles. *Environmental Technology and Innovation*, **2021**, 21, 101378	7	8
19	Metal- and metal/oxide-based engineered nanoparticles and nanostructures: a review on the applications, nanotoxicological effects, and risk control strategies. *Environmental Science and Pollution Research*, **2021**, 28, 16962-16981	5.1	7
18	Development and validation of a 10 kHz– MHz magnetic susceptometer with constant excitation field. *Journal of Applied Physics*, **2012**, 111, 07E349	2.5	6
17	Synthesis of FeO@SiO-DNA core-shell engineered nanostructures for rapid adsorption of heavy metals in aqueous solutions.. *RSC Advances*, **2020**, 10, 39284-39294	3.7	6
16	Enhancement of Cadmium Adsorption Capacities of Agricultural Residues and Industrial Fruit Byproducts by the Incorporation of AlO Nanoparticles. *ACS Omega*, **2020**, 5, 23645-23653	3.9	6
15	Magnetic paper from sugarcane bagasse fibers modified with cobalt ferrite nanoparticles. *Cellulose* , **2020**, 27, 3903-3918	5.5	5
14	Evaluation of the photocatalytic activity of iron oxide nanoparticles functionalized with titanium dioxide. *Journal of Physics: Conference Series*, **2016**, 687, 012034	0.3	5
13	Ionotropic Gelation Synthesis of Chitosan-Alginate Nanodisks for Delivery System and In Vitro Assessment of Prostate Cancer Cytotoxicity. *International Journal of Polymer Science*, **2020**, 2020, 1-10	2.4	5
12	Environmental Sustainability Evaluation of Iron Oxide Nanoparticles Synthesized via Green Synthesis and the Coprecipitation Method: A Comparative Life Cycle Assessment Study. *ACS Omega* , **2021**, 6, 12410-12423	3.9	5
11	Preparation of biodegradable films based on modified Colombian starches from Ipomoea batatas, Manihot esculenta, Dioscorea rotundata and Zea mays. *Materials Technology*, **2019**, 34, 157-166	2.1	5
10	Preparation and characterization of magnetic cellulose fibers modified with cobalt ferrite nanoparticles. *Materials Chemistry and Physics*, **2021**, 259, 122778	4.4	5
9	Synthesis of zinc oxide nanoparticles from mango and soursop leaf extracts. *Contemporary Engineering Sciences*, **2018**, 11, 395-403	0.8	5

8	Physico-chemical characterization of superficial water and sediments from Cartagena bay. *Contemporary Engineering Sciences*, **2018**, 11, 1571-1578	0.8	4
7	Immobilization of Lead and Nickel Ions from Polluted Yam Peels Biomass Using Cement-Based Solidification/Stabilization Technique. *International Journal of Chemical Engineering*, **2019**, 2019, 1-8	2.2	3
6	Synthesis of a magnetic iron oxide/zinc oxide engineered nanocatalyst for enhanced visible-light photodegradation of Cartasol brilliant violet 5BFN in aqueous solution. *Nano Structures Nano Objects*, **2021**, 26, 100730	5.6	3
5	Evaluation of colloidal stability, kinematic viscosity and flash point of B10 Diesel/Biodiesel blends using nanostructured additives based on Al2O3 and oleic acid. *CTyF - Ciencia, Tecnologia Y Futuro*, **2017**, 6, 71-82	0.5	2
4	Efficient Sulfate Adsorption on Modified Adsorbents Prepared from Zea mays Stems. *Applied Sciences (Switzerland)*, **2021**, 11, 1596	2.6	2
3	Life cycle analysis of the synthesis of eco-friendly metallic nanoparticles. *Contemporary Engineering Sciences*, **2018**, 11, 1227-1234	0.8	2
2	Environmental and Exergetic Analysis of Large-Scale Production of Citric Acid-Coated Magnetite Nanoparticles via Computer-Aided Process Engineering Tools. *ACS Omega*, **2021**, 6, 3644-3658	3.9	0
1	Rheological behavior of magnetic pulp fiber suspensions. *Tappi Journal*, **2021**, 20, 393-403	0.5	