

Adriana Herrera

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4481090/publications.pdf>

Version: 2024-02-01

43
papers

1,253
citations

361045

20
h-index

360668

35
g-index

43
all docs

43
docs citations

43
times ranked

2039
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.8	141
2	Colloidal dispersions of monodisperse magnetite nanoparticles modified with poly(ethylene glycol). <i>Journal of Colloid and Interface Science</i> , 2009, 329, 107-113.	5.0	121
3	Synthesis and agglomeration of gold nanoparticles in reverse micelles. <i>Nanotechnology</i> , 2005, 16, S618-S625.	1.3	67
4	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.	1.0	67
5	Synthesis and functionalization of magnetite nanoparticles with aminopropylsilane and carboxymethyl dextran. <i>Journal of Materials Chemistry</i> , 2008, 18, 3650.	6.7	60
6	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.	1.5	60
7	Surface modification of magnetite nanoparticles for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1397-1399.	1.0	55
8	Multifunctional magnetite nanoparticles coated with fluorescent thermo-responsive polymeric shells. <i>Journal of Materials Chemistry</i> , 2008, 18, 855.	6.7	54
9	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.	6.7	53
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.	5.0	50
11	Oriented Growth of $\hat{\Gamma}$ -MnO ₂ Nanorods Using Natural Extracts from Grape Stems and Apple Peels. <i>Nanomaterials</i> , 2017, 7, 117.	1.9	42
12	Monitoring colloidal stability of polymer-coated magnetic nanoparticles using AC susceptibility measurements. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 540-549.	5.0	41
13	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.	1.0	38
14	Ionic Cross-Linking Fabrication of Chitosan-Based Beads Modified with FeO and TiO ₂ Nanoparticles: Adsorption Mechanism toward Naphthalene Removal in Seawater from Cartagena Bay Area. <i>ACS Omega</i> , 2020, 5, 26463-26475.	1.6	38
15	Preparation of modified paints with nano-structured additives and its potential applications. <i>Nanomaterials and Nanotechnology</i> , 2020, 10, 184798042090918.	1.2	37
16	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.	1.2	31
17	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.	1.6	30
18	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.	2.7	28

#	ARTICLE	IF	CITATIONS
19	Adsorption of polycyclic aromatic hydrocarbons (PAHs) adsorption from aqueous solution using chitosan beads modified with thiourea, TiO ₂ and Fe ₃ O ₄ nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100377.	3.0	25
20	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.	1.7	23
21	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.	1.7	17
22	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.	3.3	16
23	Enhancement of Cadmium Adsorption Capacities of Agricultural Residues and Industrial Fruit Byproducts by the Incorporation of Al ₂ O ₃ Nanoparticles. ACS Omega, 2020, 5, 23645-23653.	1.6	16
24	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</i>)	0.2	10
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.	0.8	13
26	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.	1.7	12
27	Synthesis of FeO@SiO ₂ "DNA core" shell engineered nanostructures for rapid adsorption of heavy metals in aqueous solutions. RSC Advances, 2020, 10, 39284-39294.	1.7	11
28	Chromatographic analysis of phytochemicals components present in mangifera indica leaves for the synthesis of silver nanoparticles by AgNO ₃ reduction. Journal of Physics: Conference Series, 2016, 687, 012033.	0.3	10
29	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.	1.2	10
30	Synthesis of zinc oxide nanoparticles from mango and soursop leaf extracts. Contemporary Engineering Sciences, 2018, 11, 395-403.	0.2	9
31	Evaluation of the photocatalytic activity of iron oxide nanoparticles functionalized with titanium dioxide. Journal of Physics: Conference Series, 2016, 687, 012034.	0.3	8
32	Preparation and characterization of magnetic cellulose fibers modified with cobalt ferrite nanoparticles. Materials Chemistry and Physics, 2021, 259, 122778.	2.0	8
33	Development and validation of a 10 kHz - 1 MHz magnetic susceptometer with constant excitation field. Journal of Applied Physics, 2012, 111, 07E349.	1.1	7
34	Efficient Sulfate Adsorption on Modified Adsorbents Prepared from Zea mays Stems. Applied Sciences (Switzerland), 2021, 11, 1596.	1.3	7
35	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.	1.5	6
36	Magnetic paper from sugarcane bagasse fibers modified with cobalt ferrite nanoparticles. Cellulose, 2020, 27, 3903-3918.	2.4	6

#	ARTICLE	IF	CITATIONS
37	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.	1.9	6
38	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.	1.4	5
39	Physico-chemical characterization of superficial water and sediments from Cartagena bay. Contemporary Engineering Sciences, 2018, 11, 1571-1578.	0.2	4
40	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.	1.6	3
41	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. CTyF - Ciencia, Tecnologia Y Futuro, 2017, 6, 71-82.	0.3	3
42	Life cycle analysis of the synthesis of eco-friendly metallic nanoparticles. Contemporary Engineering Sciences, 2018, 11, 1227-1234.	0.2	2
43	Rheological behavior of magnetic pulp fiber suspensions. Tappi Journal, 2021, 20, 393-403.	0.2	0