JosuÃ© D Mota-Morales

List of Publications by Year
in descending order

53 papers	2,175 citations	218592 26 h-index	223716 46 g-index
56 all docs	56 docs citations	56 times ranked	2943 citing authors

#	Article	IF	Citations
1	Chitosan/silver nanocomposites: Synergistic antibacterial action of silver nanoparticles and silver ions. European Polymer Journal, 2015, 67, 242-251.	2.6	218
2	Toxicity of silver nanoparticles in biological systems: Does the complexity of biological systems matter?. Toxicology Letters, 2017, 276, 11-20.	0.4	187
3	Free-radical polymerizations of and in deep eutectic solvents: Green synthesis of functional materials. Progress in Polymer Science, 2018, 78, 139-153.	11.8	181
4	Frontal polymerizations carried out in deep-eutectic mixtures providing both the monomers and the polymerization medium. Chemical Communications, 2011, 47, 5328.	2.2	127
5	Potential application of silver nanoparticles to control the infectivity of Rift Valley fever virus in vitro and in vivo. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1185-1192.	1.7	100
6	Synthesis of macroporous poly(acrylic acid)â€“carbon nanotube composites by frontal polymerization in deep-eutectic solvents. Journal of Materials Chemistry A, 2013, 1, 3970.	5.2	97
7	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. Journal of Polymer Science Part A, 2013, 51, 1767-1773.	2.5	92
8	Swelling and methylene blue adsorption of poly(N,N-dimethylacrylamide-co-2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Tc	2.0	74
9	Controlled release of lidocaine hydrochloride from polymerized drug-based deep-eutectic solvents. Journal of Materials Chemistry B, 2014, 2, 7495-7501.	2.9	65
10	Comparison of cytotoxicity and genotoxicity effects of silver nanoparticles on human cervix and breast cancer cell lines. Human and Experimental Toxicology, 2017, 36, 931-948.	1.1	61
11	Zinc-based deep eutectic solvent-mediated hydroxylation and demethoxylation of lignin for the production of wood adhesive. RSC Advances, 2016, 6, 89599-89608.	1.7	58
12	Processing of lignin in ureaâ€“zinc chloride deep-eutectic solvent and its use as a filler in a phenol-formaldehyde resin. RSC Advances, 2015, 5, 28778-28785.	1.7	57
13	Synthesis of Biodegradable Macroporous Poly(<scp>l</scp>-lactide)/Poly(Îµ-caprolactone) Blend Using Oil-in-Eutectic-Mixture High-Internal-Phase Emulsions as Template. ACS Applied Materials & Interfaces, 2016, 8, 16939-16949.	4.0	55
14	Transforming nature into the next generation of bio-based flexible devices: New avenues using deep eutectic systems. Matter, 2021, 4, 2141-2162.	5.0	47
15	Choline chloride-zinc chloride deep eutectic solvent mediated preparation of partial O-acetylation of chitin nanocrystal in one step reaction. Carbohydrate Polymers, 2019, 220, 211-218.	5.1	46
16	Porous monoliths synthesized <i>via</i> polymerization of styrene and divinyl benzene in nonaqueous deep-eutectic solvent-based HIPEs. RSC Advances, 2015, 5, 23255-23260.	1.7	44
17	Enzyme-mediated free radical polymerization of acrylamide in deep eutectic solvents. RSC Advances, 2016, 6, 13072-13079.	1.7	43
18	Deep-Eutectic Solvents as MWCNT Delivery Vehicles in the Synthesis of Functional Poly(HIPE) Nanocomposites for Applications as Selective Sorbents. ACS Applied Materials & Interfaces, 2016, 8, 31295-31303.	4.0	38

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19	Deep-eutectic solvents as a support in the nonaqueous synthesis of macroporous poly(HIPEs). RSC Advances, 2014, 4, 41584-41587.	1.7	36
20	Sustainable-solvent-induced polymorphism in chitin films. Green Chemistry, 2016, 18, 4303-4311.	4.6	36
21	Temperature-induced Au nanostructure synthesis in a nonaqueous deep-eutectic solvent for high performance electrocatalysis. Journal of Materials Chemistry A, 2015, 3, 15869-15875.	5.2	35
22	Frontal Polymerization of Deep Eutectic Solvents Composed of Acrylic and Methacrylic Acids. Journal of Polymer Science Part A, 2017, 55, 4046-4050.	2.5	34
23	Electrical conductivity of an all-natural and biocompatible semi-interpenetrating polymer network containing a deep eutectic solvent. Green Chemistry, 2020, 22, 5785-5797.	4.6	34
24	Proton conductivity and relaxation properties of chitosan-acetate films. Electrochimica Acta, 2016, 215, 600-608.	2.6	33
25	New insights into the bactericidal activity of chitosan-Ag bionanocomposite: The role of the electrical conductivity. Colloids and Surfaces B: Biointerfaces, 2013, 111, 741-746.	2.5	31
26	The effect of CNT functionalization on electrical and relaxation phenomena in MWCNT/chitosan composites. Materials Chemistry and Physics, 2015, 155, 252-261.	2.0	30
27	Silver nanoparticles synthesized by laser ablation confined in urea choline chloride deep-eutectic solvent. Colloids and Interface Science Communications, 2016, 12, 1-4.	2.0	28
28	Effect of silver nanoparticles on the metabolic rate, hematological response, and survival of juvenile white shrimp Litopenaeus vannamei. Chemosphere, 2017, 169, 716-724.	4.2	26
29	On the stability and chemorheology of a urea choline chloride deep-eutectic solvent as an internal phase in acrylic high internal phase emulsions. RSC Advances, 2016, 6, 81694-81702.	1.7	25
30	Effect of doping in carbon nanotubes on the viability of biomimetic chitosanâ€carbon nanotubesâ€hydroxyapatite scaffolds. Journal of Biomedical Materials Research - Part A, 2014, 102, 3341-3351.	2.1	20
31	Zinc chloride/acetamide deep eutectic solventâ€mediated fractionation of lignin produces highâ€and lowâ€molecularâ€weight fillers for phenolâ€formaldehyde resins. Journal of Applied Polymer Science, 2020, 137, 48385.	1.3	20
32	Oil-in-eutectic mixture HIPEs co-stabilized with surfactant and nanohydroxyapatite: ring-opening polymerization for nanocomposite scaffold synthesis. Chemical Communications, 2019, 55, 12292-12295.	2.2	19
33	Kinetic Studies of Photopolymerization of Monomerâ€Containing Deep Eutectic Solvents. Macromolecular Chemistry and Physics, 2020, 221, 1900511.	1.1	17
34	Nonaqueous Synthesis of Macroporous Nanocomposites Using High Internal Phase Emulsion Stabilized by Nanohydroxyapatite. Advanced Materials Interfaces, 2017, 4, 1700094.	1.9	15
35	n-Octanol oxidation on Au/TiO2 catalysts promoted with La and Ce oxides. Molecular Catalysis, 2017, 427, 1-10.	1.0	15
36	Au/TiO 2 catalysts promoted with Fe and Mg for n -octanol oxidation under mild conditions. Catalysis Today, 2016, 278, 104-112.	2.2	14

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37	Deep eutectic solvent-assisted phase separation in chitosan solutions for the production of 3D monoliths and films with tailored porosities. International Journal of Biological Macromolecules, 2020, 164, 4084-4094.	3.6	14
38	Macroporous Polyacrylamide Î³-Fe2O3 Nanoparticle Composites as Methylene Blue Dye Adsorbents. ACS Applied Nano Materials, 2020, 3, 5794-5806.	2.4	14
39	Identification of Subnanometric Ag Species, Their Interaction with Supports and Role in Catalytic CO Oxidation. Molecules, 2016, 21, 532.	1.7	12
40	Deep eutectic solvents as active media for the preparation of highly conducting 3D free-standing PANI xerogels and their derived N-doped and N-, P-codoped porous carbons. Carbon, 2019, 146, 813-826.	5.4	11
41	On the High Sensitivity of the Electronic States of 1 nm Gold Particles to Pretreatments and Modifiers. Molecules, 2016, 21, 432.	1.7	8
42	Boosting cell proliferation in three-dimensional polyacrylates/nanohydroxyapatite scaffolds synthesized by deep eutectic solvent-based emulsion templating. Journal of Colloid and Interface Science, 2022, 607, 298-311.	5.0	8
43	Mechanism and Kinetics of the Spontaneous Thermal Copolymerization of Styrene/Maleic Anhydride. Experimental and Simulation Studies in the Presence of 4â€oxoâ€TEMPO. Macromolecular Reaction Engineering, 2010, 4, 222-234.	0.9	7
44	Scanning-probe-microscopy of polyethylene terephthalate surface treatment by argon ion beam. Nuclear Instruments & Methods in Physics Research B, 2015, 362, 49-56.	0.6	5
45	Nanostructures constituted by unusually small silica nanoparticles modified with metal oxides as support for ultra-small gold nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 9-16.	2.3	5
46	Eco-friendly Production of Metallic Nanoparticles in Polymeric Solutions and Their Processing into Biocompatible Composites. Fibers and Polymers, 2018, 19, 156-169.	1.1	5
47	Tailoring the morphology of poly(high internal phase emulsions) synthesized by using deep eutectic solvents. E-Polymers, 2020, 20, 185-193.	1.3	5
48	Polystyrene Macroporous Magnetic Nanocomposites Synthesized through Deep Eutectic Solvent-in-Oil High Internal Phase Emulsions and Fe₃O₄ Nanoparticles for Oil Sorption. ACS Omega, 2022, 7, 21763-21774.	1.6	5
49	Cryogenic Process to Elaborate Poly(ethylene glycol) Scaffolds. Experimental and Simulation Studies. Industrial & Engineering Chemistry Research, 2013, 52, 706-715.	1.8	4
50	Bringing Sustainability to Macroporous Polystyrene: Cellulose Nanocrystals as Cosurfactant and Surface Modifier in Deep Eutectic Solvent-Based Emulsion Templating. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	3
51	Sophisticated and Spontaneous Template-Free Organization of Silica Nanoparticles During Storage. Nano, 2016, 11, 1650037.	0.5	1
52	Is it feasible to perform an emulsion polymerization using a deep eutectic solvent as continuous phase?. Colloid and Polymer Science, 2020, 298, 313-317.	1.0	1
53	Silver Nanoparticles as Nanoantibiotics: A Comparative Analysis of their Toxicity on Biological Systems of Different Complexity. Revista De Ciencias TecnolÃ“gicas, 2018, 1, 8-11.	0.0	0