

Abolfazl Heydari

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

866
citations

516561

16
h-index

477173

29
g-index

30
all docs

30
docs citations

30
times ranked

814
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxymethylcellulose-coated 5-fluorouracil@MOF-5 nano-hybrid as a bio-nanocomposite carrier for the anticancer oral delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 876-882.	3.6	125
2	A novel voltammetric sensor for sensitive detection of mercury(II) ions using glassy carbon electrode modified with graphene-based ion imprinted polymer. <i>Materials Science and Engineering C</i> , 2016, 63, 367-375.	3.8	90
3	Green synthesis of bimetallic ZnO@CuO nanoparticles and their cytotoxicity properties. <i>Scientific Reports</i> , 2021, 11, 23479.	1.6	88
4	Synthesis of β -cyclodextrin-based dendrimer as a novel encapsulation agent. <i>Polymer International</i> , 2014, 63, 1447-1455.	1.6	64
5	Synthesis of Glycoconjugated Polymer Based on Polystyrene and Nanoporous β -Cyclodextrin to Remove Copper (II) From Water Pollution. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 1-6.	1.8	51
6	Fabrication of poly(β -cyclodextrin-co-citric acid)/bentonite clay nanocomposite hydrogel: thermal and absorption properties. <i>RSC Advances</i> , 2015, 5, 82438-82449.	1.7	47
7	Ultrasound-assisted synthesis of MIL-88(Fe) coordinated to carboxymethyl cellulose fibers: A safe carrier for highly sustained release of tetracycline. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 937-944.	3.6	42
8	Polymerization of β -cyclodextrin in the presence of bentonite clay to produce polymer nanocomposites for removal of heavy metals from drinking water. <i>Polymers for Advanced Technologies</i> , 2017, 28, 524-532.	1.6	30
9	β -Cyclodextrin-epichlorohydrin polymer/graphene oxide nanocomposite: preparation and characterization. <i>Chemical Papers</i> , 2018, 72, 1299-1313.	1.0	30
10	Water-soluble cationic poly(β -cyclodextrin-co-guanidine) as a controlled vitamin B ₂ delivery carrier. <i>RSC Advances</i> , 2016, 6, 33267-33278.	1.7	28
11	Preparation and Characterization of Zwitterionic Poly(β -cyclodextrin-co-guanidinocitrate) Hydrogels for Ciprofloxacin Controlled Release. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600501.	1.7	26
12	Facile polymerization of β -cyclodextrin functionalized graphene or graphene oxide nanosheets using citric acid crosslinker by in situ melt polycondensation for enhanced electrochemical performance. <i>RSC Advances</i> , 2016, 6, 9760-9771.	1.7	25
13	Encapsulation and Controlled Release of Vitamin B2 Using Peracetyl- β -Cyclodextrin Polymer-Based Electrospun Nanofiber Scaffold. <i>Pharmaceutical Chemistry Journal</i> , 2018, 52, 19-25.	0.3	22
14	In situ dual crosslinking strategy to improve the physico-chemical properties of thermoplastic starch. <i>Carbohydrate Polymers</i> , 2021, 269, 118250.	5.1	22
15	Preparation of Inclusion Complex Between Nifedipine and Ethylenediamine- β -Cyclodextrin as Nanocarrier Agent. <i>Pharmaceutical Chemistry Journal</i> , 2015, 49, 605-612.	0.3	21
16	Thermoplastic Starch-Based Composite Reinforced by Conductive Filler Networks: Physical Properties and Electrical Conductivity Changes during Cyclic Deformation. <i>Polymers</i> , 2021, 13, 3819.	2.0	21
17	Fabrication of Poly(β -Cyclodextrin-Epichlorohydrin-Thiourea) to Efficient Removal of Heavy Metal Ions from Wastewater. <i>Journal of Polymers and the Environment</i> , 2020, 28, 1626-1636.	2.4	19
18	Nanoparticles Based on Modified Polysaccharides. , 0, , .		17

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19	Delivery of DNzyme targeting c-Myc gene using β -cyclodextrin polymer nanocarrier for therapeutic application in human breast cancer cell line. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 477-484.	1.4	17
20	Unexpected counterion exchange influencing fundamental characteristics of quaternary ammonium chitosan salt. <i>Polymer</i> , 2021, 220, 123562.	1.8	15
21	Water-Soluble β -cyclodextrin Polymers as Drug Carriers to Improve Solubility, Thermal Stability and Controlled Release of Nifedipine. <i>Pharmaceutical Chemistry Journal</i> , 2017, 51, 375-383.	0.3	13
22	Optimization and Characterization of Wheat Bran Modified by Citric Acid Using a Dry Reaction Method for Enhancement of Methylene Blue Adsorption. <i>International Journal of Food Engineering</i> , 2018, 14, .	0.7	10
23	Enhancing in vitro cytotoxicity of doxorubicin against MCF-7 breast cancer cells in the presence of water-soluble β -cyclodextrin polymer as a nanocarrier agent. <i>Polymer Bulletin</i> , 2022, 79, 1555-1569.	1.7	9
24	Spectral and molecular docking studies of nucleic acids/protein binding interactions of a novel organometallic palladium (II) complex containing bioactive PTA ligands: Its synthesis, anticancer effects and encapsulation in albumin nanoparticles. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5839.	1.7	7
25	Efficient N-sulfopropylation of chitosan with 1,3-propane sultone in aqueous solutions: neutral pH as the key condition. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2146-2158.	1.9	7
26	Facile synthesis of Zn-based metal-organic framework in the presence of carboxymethyl cellulose: A safe carrier for ibuprofen. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 531-539.	3.6	7
27	A versatile β -cyclodextrin and N-heterocyclic palladium complex bi-functionalized iron oxide nanoadsorbent for water treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55419-55432.	2.7	6
28	Enhancing the Anticonvulsant Effects of Nifedipine in Rats Through Encapsulation with Water-Soluble β -Cyclodextrin Polymer. <i>Pharmaceutical Chemistry Journal</i> , 2022, 55, 1023-1027.	0.3	3
29	Interleukin-12 Plasmid DNA Delivery by N-[(2-Hydroxy-3-trimethylammonium)propyl]chitosan-Based Nanoparticles. <i>Polymers</i> , 2022, 14, 2176.	2.0	3
30	Synthesis and biological evaluation of novel tetranuclear cyclopalladated complex bearing thiosemicarbazone scaffold ligand: Interactions with double-strand DNA, coronavirus, and molecular modeling studies. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	1