

Hamid Rashedi

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55
papers

788
citations

17
h-index

25
g-index

66
ext. papers

1,223
ext. citations

4.7
avg, IF

4.38
L-index

#	Paper	IF	Citations
55	Interface modified polylactic acid/starch/poly Ecaprolactone antibacterial nanocomposite blends for medical applications. <i>Carbohydrate Polymers</i> , 2017 , 155, 336-344	10.3	57
54	Curcumin-lipoic acid conjugate as a promising anticancer agent on the surface of gold-iron oxide nanocomposites: A pH-sensitive targeted drug delivery system for brain cancer theranostics. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 114, 175-188	5.1	53
53	Curcumin-loaded chitosan/carboxymethyl starch/montmorillonite bio-nanocomposite for reduction of dental bacterial biofilm formation. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 757-763	7.0	51
52	Enzyme-assisted extraction and ionic liquid-based dispersive liquid-liquid microextraction followed by high-performance liquid chromatography for determination of patulin in apple juice and method optimization using central composite design. <i>Analytica Chimica Acta</i> , 2013 , 804, 104-110	6.6	45
51	In vitro effect of graphene structures as an osteoinductive factor in bone tissue engineering: A systematic review. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2284-2343	5.4	38
50	Fabrication of chitosan/polyvinylpyrrolidone hydrogel scaffolds containing PLGA microparticles loaded with dexamethasone for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 356-370	7.9	37
49	Simulation of mechanical behavior and optimization of simulated injection molding process for PLA based antibacterial composite and nanocomposite bone screws using central composite design. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 160-176	4.1	36
48	Molecular dynamic of curcumin/chitosan interaction using a computational molecular approach: Emphasis on biofilm reduction. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 972-978	7.9	35
47	Environmental importance of rhamnolipid production from molasses as a carbon source. <i>International Journal of Environmental Science and Technology</i> , 2005 , 2, 59-62	3.3	28
46	DBT desulfurization by decorating bacteria using modified carbon nanotube. <i>Fuel</i> , 2018 , 216, 787-795	7.1	23
45	Optimization simulated injection molding process for ultrahigh molecular weight polyethylene nanocomposite hip liner using response surface methodology and simulation of mechanical behavior. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 81, 95-105	4.1	22
44	Guidelines for safe handling, use and disposal of nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009 , 170, 012037	0.3	21
43	Evaluation of oil recovery by rhamnolipid produced with isolated strain from Iranian oil wells. <i>Annals of Microbiology</i> , 2009 , 59, 573-577	3.2	21
42	DBT desulfurization by decorating IGTS8 using magnetic FeO nanoparticles in a bioreactor. <i>Engineering in Life Sciences</i> , 2017 , 17, 528-535	3.4	18
41	Effect of zero-valent iron/starch nanoparticle on nitrate removal using MD simulation. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 727-733	7.9	18
40	Comparing Photocatalytic Degradation of Gaseous Ethylbenzene Using N-doped and Pure TiO ₂ Nano-Catalysts Coated on Glass Beads under Both UV and Visible Light Irradiation. <i>Catalysts</i> , 2018 , 8, 466	4	17
39	Optimizing the hybrid nanostructure of functionalized reduced graphene oxide/silver for highly efficient cancer nanotherapy. <i>New Journal of Chemistry</i> , 2018 , 42, 13157-13168	3.6	17

38	Production of rhamnolipids by <i>Pseudomonas aeruginosa</i> growing on carbon sources. <i>International Journal of Environmental Science and Technology</i> , 2006 , 3, 297-303	3.3	16
37	Graphene oxide-l-arginine nanogel: A pH-sensitive fluorouracil nanocarrier. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 772-780	2.8	15
36	Fe/starch nanoparticle - <i>Pseudomonas aeruginosa</i> : Bio-physiochemical and MD studies. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 51-61	7.9	15
35	PVA based nanofiber containing CQDs modified with silica NPs and silk fibroin accelerates wound healing in a rat model. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 658-676	7.3	15
34	Modified Mesoporous Silica (SBA-15) with Trithiane as a new effective adsorbent for mercury ions removal from aqueous environment. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 100	2.9	14
33	Preparation of pH-sensitive chitosan/polyvinylpyrrolidone/FeO nanocomposite for drug delivery application: Emphasis on ameliorating restrictions. <i>International Journal of Biological Macromolecules</i> , 2021 , 173, 409-420	7.9	14
32	Molecular dynamics studies of polysaccharide carrier based on starch in dental cavities. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 616-624	7.9	13
31	Application of Room Temperature Ionic Liquids in Electrochemical Sensors and Biosensors 2011 ,		12
30	Extraction of sugarcane bagasse arabinoxylan, integrated with enzymatic production of xylo-oligosaccharides and separation of cellulose. <i>Biotechnology for Biofuels</i> , 2021 , 14, 153	7.8	11
29	Continuous Bioelectricity Generation from Phenol-Contaminated Water by Mediator-Less Microbial Fuel Cells: A Comparative Study between Air-Cathode and Bio-Cathode Systems. <i>Fuel Cells</i> , 2018 , 18, 526-534	2.9	9
28	Hydrodynamics and mass transfer performance of rotating sieved disc contactors used for reversed micellar extraction of protein. <i>Chemical Engineering Science</i> , 2009 , 64, 2301-2306	4.4	9
27	Ameliorating quercetin constraints in cancer therapy with pH-responsive agarose-polyvinylpyrrolidone -hydroxyapatite nanocomposite encapsulated in double nanoemulsion. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 11-25	7.9	9
26	Separation and direct detection of heavy lanthanides using new ion-exchange chromatography: fast Fourier transform continuous cyclic voltammetry system. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1593-1603	2.6	8
25	Alginate sulfate-based hydrogel/nanofiber composite scaffold with controlled Kartogenin delivery for tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 266, 118123	10.3	8
24	Synthesis and characterization of silica/polyvinyl imidazole core-shell nanoparticles via combination of RAFT polymerization and grafting-to method. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1884-1891	3.2	7
23	Fabrication and evaluation of nanofibrous polyhydroxybutyrate valerate scaffolds containing hydroxyapatite particles for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 987-995	3	7
22	Novel dynamic model for aerated shaking bioreactors. <i>Biotechnology and Applied Biochemistry</i> , 2011 , 58, 128-137	2.8	7
21	A novel alginate-gelatin microcapsule to enhance bone differentiation of mesenchymal stem cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1-8	3	7

20	Application of a novel method for optimization of bioemulsan production in a miniaturized bioreactor. <i>Bioresource Technology</i> , 2010 , 101, 9758-64	11	6
19	Investigating Thermal and Surface Properties of Low-Density Polyethylene/Nanoperlite Nanocomposites for Packaging Applications. <i>Polymer Composites</i> , 2019 , 40, 2929-2937	3	6
18	Performance assessment of the stacked microbial desalination cells with internally parallel and series flow configurations. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5079-5086	6.8	5
17	Synthesis and characterization of chitosan/polyvinylpyrrolidone coated nanoporous γ -Alumina as a pH-sensitive carrier for controlled release of quercetin. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 600-613	7.9	5
16	Polyhydroxybutyrate Production from Natural Gas in A Bubble Column Bioreactor: Simulation Using COMSOL. <i>Bioengineering</i> , 2019 , 6,	5.3	4
15	Ultra pH-sensitive detection of total and free prostate-specific antigen using electrochemical aptasensor based on reduced graphene oxide/gold nanoparticles emphasis on TiO ₂ /carbon quantum dots as a redox probe. <i>Engineering in Life Sciences</i> , 2021 , 21, 739-752	3.4	4
14	Graphene-based materials in drug delivery and growth factor release: A critical review. <i>Wound Medicine</i> , 2020 , 31, 100193	2.8	3
13	The synthesis and characterization of double nanoemulsion for targeted Co-Delivery of 5-fluorouracil and curcumin using pH-sensitive agarose/chitosan nanocarrier. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 102849	4.5	3
12	Recovery and Purification of Rhamnolipid from fermentation broth, by use of a Nanotechnology Process. <i>New Biotechnology</i> , 2012 , 29, S157	6.4	2
11	Design of Electrochemical Nanobiosensor in the Diagnosis of Prostate Specific Antigen (PSA) Using Nanostructures 2020 ,		2
10	Synthesis, Characterization and Evaluation of Liponiosome Containing Ginger Extract as a New Strategy for Potent Antifungal Formulation. <i>Journal of Cluster Science</i> , 2020 , 31, 971-981	3	2
9	Chitosan/agarose/graphitic carbon nitride nanocomposite as an efficient pH-sensitive drug delivery system for anticancer curcumin releasing. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 103443 ^{4,5}		2
8	Surfactin production in the bioreactor: Emphasis on magnetic nanoparticles application. <i>Engineering in Life Sciences</i> , 2020 , 20, 466-475	3.4	1
7	Promising insights into the kosmotropic effect of magnetic nanoparticles on proteins: The pivotal role of protein corona formation. <i>Biotechnology Progress</i> , 2020 , 36, e3051	2.8	1
6	Ultra pH-sensitive nanocarrier based on FeO ₃ /chitosan/montmorillonite for quercetin delivery. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 738-745	7.9	1
5	Novel microfluidic graphene oxide-protein amperometric biosensor for detecting sulfur compounds. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 353-360	2.8	0
4	Kosmotropic and chaotropic effect of biocompatible Fe ₃ O ₄ nanoparticles on egg white lysozyme; the key role of nanoparticle-protein corona formation. <i>Journal of Molecular Structure</i> , 2021 , 1253, 132016 ^{3,4}		0
3	PVA based nanofiber containing cellulose modified with graphitic carbon nitride/nettles/trachyspermum accelerates wound healing. <i>Biotechnology Progress</i> , 2021 , e3200	2.8	0

- 2 Fabrication of a Sensitive Biosensing System for Cu²⁺ ion Detection by Gold-Decorated Graphene Oxide Functionalized with Gly-Gly-His. *Journal of Cluster Science*,1 3
- 1 A bioprinted composite hydrogel with controlled shear stress on cells. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2021**, 235, 314-322 1.7