

Hamid Rashedi

List of Publications by Year in descending order

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65
papers

1,614
citations

257101

24
h-index

315357

38
g-index

66
all docs

66
docs citations

66
times ranked

1724
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of pH-sensitive chitosan/polyvinylpyrrolidone/±-Fe ₂ O ₃ nanocomposite for drug delivery application: Emphasis on ameliorating restrictions. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 409-420.	3.6	84
2	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.	3.6	75
3	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.	3.6	70
4	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.	3.6	70
5	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.	1.9	68
6	Interface modified polylactic acid/starch/poly-ε-caprolactone antibacterial nanocomposite blends for medical applications. <i>Carbohydrate Polymers</i> , 2017, 155, 336-344.	5.1	63
7	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.	3.6	62
8	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.	3.6	60
9	<i>In vitro</i> 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.	2.1	56
10	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.	1.5	54
11	Ultra pH-sensitive nanocarrier based on Fe ₂ O ₃ /chitosan/montmorillonite for quercetin delivery. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 738-745.	3.6	53
12	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.	2.9	52
13	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.	2.6	47
14	A novel pH-responsive nanoniosomal emulsion for sustained release of curcumin from a chitosan-based nanocarrier: Emphasis on the concurrent improvement of loading, sustained release, and apoptosis induction. <i>Biotechnology Progress</i> , 2022, 38, .	1.3	39
15	Environmental importance of rhamnolipid production from molasses as a carbon source. <i>International Journal of Environmental Science and Technology</i> , 2005, 2, 59-62.	1.8	35
16	Guidelines for safe handling, use and disposal of nanoparticles. <i>Journal of Physics: Conference Series</i> , 2009, 170, 012037.	0.3	34
17	A novel alginate-gelatin microcapsule to enhance bone differentiation of mesenchymal stem cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 395-402.	1.8	34
18	Alginate sulfate-based hydrogel/nanofiber composite scaffold with controlled Kartogenin delivery for tissue engineering. <i>Carbohydrate Polymers</i> , 2021, 266, 118123.	5.1	33

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19	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, 74, 103443.	1.4	33
20	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.	1.5	30
21	DBT desulfurization by decorating bacteria using modified carbon nanotube. <i>Fuel</i> , 2018, 216, 787-795.	3.4	30
22	Extraction of sugarcane bagasse arabinoxylan, integrated with enzymatic production of xylo-oligosaccharides and separation of cellulose. <i>Biotechnology for Biofuels</i> , 2021, 14, 153.	6.2	28
23	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.	2.0	28
24	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.	1.6	26
25	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> , 2022, 70, 102849.	1.4	25
26	DBT desulfurization by decorating <i>Rhodococcus erythropolis</i> IGTS8 using magnetic Fe ₃ O ₄ nanoparticles in a bioreactor. <i>Engineering in Life Sciences</i> , 2017, 17, 528-535.	2.0	24
27	Effect of zero-valent iron/starch nanoparticle on nitrate removal using MD simulation. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 727-733.	3.6	24
28	Evaluation of oil recovery by rhamnolipid produced with isolated strain from Iranian oil wells. <i>Annals of Microbiology</i> , 2009, 59, 573-577.	1.1	23
29	Graphene oxide-arginine nanogel: A pH-sensitive fluorouracil nanocarrier. <i>Biotechnology and Applied Biochemistry</i> , 2019, 66, 772-780.	1.4	23
30	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.	1.4	22
31	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.	1.8	20
32	Application of Room Temperature Ionic Liquids in Electrochemical Sensors and Biosensors. , 0, , .		20
33	Molecular dynamics studies of polysaccharide carrier based on starch in dental cavities. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 616-624.	3.6	20
34	Fabrication of Au/Fe ₃ O ₄ /RGO based aptasensor for measurement of miRNA-128, a biomarker for acute lymphoblastic leukemia (ALL). <i>Engineering in Life Sciences</i> , 2022, 22, 519-534.	2.0	19
35	Fe/starch nanoparticle - <i>Pseudomonas aeruginosa</i> : Bio-physiochemical and MD studies. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 51-61.	3.6	18
36	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.	1.4	16

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37	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.	1.8	14
38	Curcumin-loaded Chitosan-Agarose-Montmorillonite Hydrogel Nanocomposite for the Treatment of Breast Cancer. , 2020, , .		13
39	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.	1.9	12
40	Continuous Bioelectricity Generation from Phenolâ€Contaminated Water by Mediatorâ€Less Microbial Fuel Cells: A Comparative Study between Airâ€Cathode and Bioâ€Cathode Systems. <i>Fuel Cells</i> , 2018, 18, 526-534.	1.5	12
41	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.	1.5	11
42	Investigating Thermal and Surface Properties of Lowâ€Density Polyethylene/Nanoperlite Nanocomposites for Packaging Applications. <i>Polymer Composites</i> , 2019, 40, 2929-2937.	2.3	11
43	Synthesis, Characterization and Evaluation of Liposome Containing Ginger Extract as a New Strategy for Potent Antifungal Formulation. <i>Journal of Cluster Science</i> , 2020, 31, 971-981.	1.7	11
44	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.	3.3	10
45	<scp>PVA</scp> based nanofiber containing cellulose modified with graphitic carbon nitride/nettles/trichyspermum accelerates wound healing. <i>Biotechnology Progress</i> , 2021, 37, e3200.	1.3	10
46	Polyhydroxybutyrate Production from Natural Gas in A Bubble Column Bioreactor: Simulation Using COMSOL. <i>Bioengineering</i> , 2019, 6, 84.	1.6	9
47	Application of a novel method for optimization of bioemulsion production in a miniaturized bioreactor. <i>Bioresource Technology</i> , 2010, 101, 9758-9764.	4.8	8
48	Synthesis and characterization of silicaâ€polyvinyl imidazole coreâ€shell nanoparticles via combination of RAFT polymerization and graftingâ€to method. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1884-1891.	1.6	8
49	Graphene-based materials in drug delivery and growth factor release: A critical review. <i>Wound Medicine</i> , 2020, 31, 100193.	2.7	8
50	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> , 2022, 1253, 132016.	1.8	8
51	Novel dynamic model for aerated shaking bioreactors. <i>Biotechnology and Applied Biochemistry</i> , 2011, 58, 128-137.	1.4	7
52	Design of Electrochemical Nanobiosensor in the Diagnosis of Prostate Specific Antigen (PSA) Using Nanostructures. , 2020, , .		6
53	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.	1.3	5
54	Surfactin production in the bioreactor: Emphasis on magnetic nanoparticles application. <i>Engineering in Life Sciences</i> , 2020, 20, 466-475.	2.0	5

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55	Fabrication of nanomaterial-based biosensor for measurement of a microRNA involved in cancer. , 2020, , .		5
56	Antibacterial Polymeric Wound Dressing Based On PVA/Graphene Oxide-Nigella Sativa-Arginine. , 2020, , .		5
57	Immobilization of urease enzyme on chitosan/polyvinyl alcohol electrospun nanofibers. Biotechnology Progress, 2022, 38, .	1.3	4
58	Novel microfluidic graphene oxideâ€“protein amperometric biosensor for detecting sulfur compounds. Biotechnology and Applied Biochemistry, 2019, 66, 353-360.	1.4	3
59	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.	1.0	3
60	Design of a Novel Nanobiosensor for the Diagnosis of Acute Lymphoid Leukemia (ALL) by Measurement of miRNA-128. , 2020, , .		3
61	Recovery and Purification of Rhamnolipid from fermentation broth, by use of a Nanotechnology Process. New Biotechnology, 2012, 29, S157.	2.4	2
62	Investigating the effect of nanoparticle on phenanthrene biodegradation by Labeledella gwakjiensis strain KDI. Biodegradation, 0, , .	1.5	2
63	A systematic strategy using a reconstructed genome-scale metabolic network for pathogen Streptococcus pneumoniae D39 to find novel potential drug targets. Pathogens and Disease, 2020, 78, .	0.8	0
64	Fabrication of a Sensitive Biosensing System for Cu ²⁺ ion Detection by Gold-Decorated Graphene Oxide Functionalized with Gly-Gly-His. Journal of Cluster Science, 0, , 1.	1.7	0
65	THE REMOVAL INVESTIGATION OF COCONUT ACID SURFACTANTS IN ACTIVATED SLUDGE'S SYSTEM. Journal of Ecological Engineering, 2017, 18, 68-73.	0.5	0