

Fatemeh Yazdian

List of Publications by Citations

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93
papers

1,220
citations

20
h-index

30
g-index

101
ext. papers

1,920
ext. citations

4.5
avg, IF

5.27
L-index

#	Paper	IF	Citations
93	Developing the Ternary ZnO Doped MoS Nanostructures Grafted on CNT and Reduced Graphene Oxide (RGO) for Photocatalytic Degradation of Aniline. <i>Scientific Reports</i> , 2020 , 10, 4414	4.9	92
92	Curcumin-loaded polysaccharide nanoparticles: Optimization and anticariogenic activity against <i>Streptococcus mutans</i> . <i>Materials Science and Engineering C</i> , 2017 , 75, 1259-1267	8.3	53
91	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
90	Antibacterial properties of a bacterial cellulose CQD-TiO nanocomposite. <i>Carbohydrate Polymers</i> , 2020 , 234, 115835	10.3	45
89	A glassy carbon electrode modified with reduced graphene oxide and gold nanoparticles for electrochemical aptasensing of lipopolysaccharides from <i>Escherichia coli</i> bacteria. <i>Mikrochimica Acta</i> , 2019 , 186, 787	5.8	41
88	PHB production by <i>Methylocystis hirsuta</i> from natural gas in a bubble column and a vertical loop bioreactor. <i>Biochemical Engineering Journal</i> , 2012 , 65, 51-56	4.2	39
87	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
86	Development and characterization of a novel cationic PEGylated niosome-encapsulated forms of doxorubicin, quercetin and siRNA for the treatment of cancer by using combination therapy. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 1295-1311	6.1	37
85	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
84	Chitosan/carbon quantum dot/aptamer complex as a potential anticancer drug delivery system towards the release of 5-fluorouracil. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1422-1430	7.0	35
83	Optimizing the nanostructure of graphene oxide/silver/arginine for effective wound healing. <i>Nanotechnology</i> , 2018 , 29, 475101	3.4	35
82	Graphene oxide/silver nanohybrid: Optimization, antibacterial activity and its impregnation on bacterial cellulose as a potential wound dressing based on GO-Ag nanocomposite-coated BC. <i>Engineering in Life Sciences</i> , 2018 , 18, 298-307	3.4	33
81	Application of green synthesized TiO/SbS/GQDs nanocomposite as high efficient antibacterial agent against <i>E. coli</i> and <i>Staphylococcus aureus</i> . <i>Materials Science and Engineering C</i> , 2019 , 99, 296-303	8.3	32
80	Normalization of doxorubicin release from graphene oxide: New approach for optimization of effective parameters on drug loading. <i>Biotechnology and Applied Biochemistry</i> , 2017 , 64, 433-442	2.8	29
79	Controlled surface morphology and hydrophilicity of polycaprolactone toward human retinal pigment epithelium cells. <i>Materials Science and Engineering C</i> , 2017 , 73, 300-309	8.3	27
78	An electrochemical cytosensor for ultrasensitive detection of cancer cells using modified graphene-gold nanostructures. <i>RSC Advances</i> , 2017 , 7, 2365-2372	3.7	26
77	DBT desulfurization by decorating bacteria using modified carbon nanotube. <i>Fuel</i> , 2018 , 216, 787-795	7.1	23

76	Thin natural gelatin/chitosan nanofibrous scaffolds for retinal pigment epithelium cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 754-763	3	23
75	An electrochemical nitric oxide biosensor based on immobilized cytochrome c on a chitosan-gold nanocomposite modified gold electrode. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 250-258	7.9	22
74	Zero-valent iron nanoparticles assisted purification of rhamnolipid for oil recovery improvement from oily sludge. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 917-922	6.8	21
73	Fabrication and characterization of poly(Ecaprolactone)/gelatin nanofibrous scaffolds for retinal tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018 , 67, 27-35	3	18
72	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
71	Sonochemical assisted thermal decomposition method for green synthesis of CuCo ₂ O ₄ /CuO ceramic nanocomposite using <i>Dactylopius Coccus</i> for anti-tumor investigations. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 944-953	5.7	18
70	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
69	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
68	Graphene oxide-l-arginine nanogel: A pH-sensitive fluorouracil nanocarrier. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 772-780	2.8	15
67	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
66	An inhibitory enzyme electrode for hydrogen sulfide detection. <i>Enzyme and Microbial Technology</i> , 2014 , 63, 7-12	3.8	15
65	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
64	Effect of carbon sources for PHB production in bubble column bioreactor: Emphasis on improvement of methane uptake. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102978	6.8	14
63	An immobilized <i>Thiobacillus thioparus</i> biosensing system for monitoring sulfide hydrogen; optimized parameters in a bioreactor. <i>Process Biochemistry</i> , 2014 , 49, 380-385	4.8	14
62	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
61	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
60	Enhancement of bio-desulfurization capability of a newly isolated thermophilic bacterium using starch/iron nanoparticles in a controlled system. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1801-1809	7.9	13
59	Study of capability of nanostructured zero-valent iron and graphene oxide for bioremoval of trinitrophenol from wastewater in a bubble column bioreactor. <i>Electronic Journal of Biotechnology</i> , 2019 , 39, 8-14	3.1	12

58	Protein-based nanobiosensor for direct detection of hydrogen sulfide. <i>Europhysics Letters</i> , 2015 , 109, 18005	1.6	11
57	Green approach for fabrication of a novel Zn(II) supramolecular compound as new precursor to produce nano-sized Zinc(II) oxide: Crystallography, topology, Hirshfeld Surface Analysis and biological activities. <i>Journal of Molecular Structure</i> , 2020 , 1208, 127885	3.4	10
56	Co-Administration of Curcumin and Bromocriptine Nano-liposomes for Induction of Apoptosis in Lung Cancer Cells. <i>Iranian Biomedical Journal</i> , 2020 , 24, 24-9	2	10
55	Optimization of an anti-HER2 nanobody expression using the Taguchi method. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 795-803	2.4	9
54	Synthesis of PHB-co-PEI nanoparticles as gene carriers for miR-128-encoding plasmid delivery to U87 glioblastoma cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 599, 124898	5.1	9
53	A microbial biosensor for hydrogen sulfide monitoring based on potentiometry. <i>Process Biochemistry</i> , 2014 , 49, 1393-1401	4.8	9
52	Poly(3-hydroxybutyrate) Production from Natural Gas by a Methanotroph Native Bacterium in a Bubble Column Bioreactor. <i>Chemical and Biochemical Engineering Quarterly</i> , 2019 , 33, 69-77	1.8	9
51	Antibacterial Properties of Graphene Based Nanomaterials: An Emphasis on Molecular Mechanisms, Surface Engineering and Size of Sheets. <i>Mini-Reviews in Organic Chemistry</i> , 2019 , 16, 159-172	1.7	9
50	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
49	Investigating the effect of design parameters on the response time of a highly sensitive microbial hydrogen sulfide biosensor based on oxygen consumption. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 106-114	11.8	8
48	Effects of Fe/SDS and Au nanoparticles on bacterial growth and biosurfactant production. <i>IET Nanobiotechnology</i> , 2018 , 12, 520-525	2	8
47	Synthesis of a novel nanocomposite containing chitosan as a three-dimensional printed wound dressing technique: Emphasis on gene expression. <i>Biotechnology Progress</i> , 2021 , 37, e3132	2.8	8
46	Alginate sulfate-based hydrogel/nanofiber composite scaffold with controlled Kartogenin delivery for tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 266, 118123	10.3	8
45	The synthesis and characterization of targeted delivery curcumin using chitosan-magnetite-reduced graphene oxide as nano-carrier. <i>International Journal of Biological Macromolecules</i> , 2021 , 186, 554-562	7.9	8
44	One-step separation of the recombinant protein by using the amine-functionalized magnetic mesoporous silica nanoparticles; an efficient and facile approach. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 600-608	7.9	7
43	Use of sulfur-oxidizing bacteria as recognition elements in hydrogen sulfide biosensing system. <i>Biotechnology and Applied Biochemistry</i> , 2015 , 62, 349-56	2.8	7
42	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
41	High nitrate removal by starch-stabilized Fe nanoparticles in aqueous solution in a controlled system. <i>Engineering in Life Sciences</i> , 2018 , 18, 187-195	3.4	7

40	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
39	Albumin coated cadmium nanoparticles as chemotherapeutic agent against MDA-MB 231 human breast cancer cell line. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 787-797	6.1	6
38	Production of nanocellulose in miniature-bioreactor: Optimization and characterization. <i>Preparative Biochemistry and Biotechnology</i> , 2017 , 47, 371-378	2.4	6
37	Efficacy of polyextremophilic <i>Aeribacillus pallidus</i> on bioprocessing of beet vinasse derived from ethanol industries. <i>Bioresource Technology</i> , 2020 , 313, 123662	11	5
36	Morphology design and control of a novel 3D potassium metal-organic coordination polymer compound: Crystallography, DFT, thermal, and biological studies. <i>Journal of Molecular Structure</i> , 2021 , 1228, 129434	3.4	5
35	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
34	Polyhydroxybutyrate Production from Natural Gas in A Bubble Column Bioreactor: Simulation Using COMSOL. <i>Bioengineering</i> , 2019 , 6,	5.3	4
33	Efficacy of Fe ₃ O ₄ /Starch Nanoparticles on <i>Sporosarcina pasteurii</i> Performance in MICP Process. <i>Geomicrobiology Journal</i> , 2019 , 36, 359-365	2.5	4
32	The Effect of Calcium/Magnesium Ratio on the Biomass Production of a Novel Thermoalkaliphilic <i>Aeribacillus pallidus</i> Strain with Highly Heat-Resistant Spores. <i>Current Microbiology</i> , 2020 , 77, 2565-2574	2.4	4
31	A novel delivery of curcumin by the efficient nanoliposomal approach against. <i>Preparative Biochemistry and Biotechnology</i> , 2021 , 51, 990-997	2.4	4
30	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
29	Preparation, characterization and performance studies of polyethersulfone (PES) - pyrolytic carbon (PyC) composite membranes. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	3
28	Graphene-based materials in drug delivery and growth factor release: A critical review. <i>Wound Medicine</i> , 2020 , 31, 100193	2.8	3
27	Detection of Microorganisms Using Graphene-Based Nanobiosensors.. <i>Food Technology and Biotechnology</i> , 2021 , 59, 496-506	2.1	3
26	Optimization and antimicrobial efficacy of curcumin loaded solid lipid nanoparticles against foodborne bacteria in hamburger patty. <i>Journal of Food Science</i> , 2021 , 86, 2242-2254	3.4	3
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> , 2021 , 102849	4.5	3
24	Effects of different graphene-based nanomaterials as elicitors on growth and ganoderic acid production by <i>Ganoderma lucidum</i> . <i>Biotechnology Progress</i> , 2020 , 36, e3027	2.8	2
23	Localized Surface Plasmon Resonance Biosensor for Detection of Serum Prostate Specific Antigen in Prostate Cancer Patients. <i>Biosciences, Biotechnology Research Asia</i> , 2016 , 13, 2273-2279	0.5	2

22	Smart stimuli-responsive biofunctionalized niosomal nanocarriers for programmed release of bioactive compounds into cancer cells in vitro and in vivo. <i>Nanotechnology Reviews</i> , 2021 , 10, 1895-1911	6.3	2
21	An electrochemical aptasensor for detection of prostate-specific antigen using reduced graphene gold nanocomposite and Cu/carbon quantum dots. <i>Biotechnology and Applied Biochemistry</i> , 2021 ,	2.8	2
20	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
19	Investigating the effect of starch/FeO nanoparticles on biodesulfurization using molecular dynamic simulation. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 1667-1676	5.1	2
18	Ectoine production in bioreactor by Halomonas elongata DSM2581: Using MWCNT and Fe-nanoparticle. <i>Biotechnology Progress</i> , 2021 , 37, e3073	2.8	2
17	Inhibition performances of graphene oxide/silver nanostructure for the microbial corrosion: molecular dynamic simulation study.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	2
16	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
15	Surfactin production in the bioreactor: Emphasis on magnetic nanoparticles application. <i>Engineering in Life Sciences</i> , 2020 , 20, 466-475	3.4	1
14	Investigation of factors influencing oxygen content in Halobacterium salinarum growth medium for improved bacteriorhodopsin production. <i>International Journal of Industrial Chemistry</i> , 2019 , 10, 261-268	3.1	1
13	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
12	Corrosion behaviour of X60 steel in the presence of sulphate-reducing bacteria (SRB) and iron-reducing bacteria (IRB) in seawater. <i>Corrosion Engineering Science and Technology</i> , 2021 , 56, 543-552	1.7	1
11	Effect of starch/CNT on biodesulfurization using molecular dynamic simulation. <i>Journal of Molecular Modeling</i> , 2019 , 25, 352	2	1
10	Ultra pH-sensitive nanocarrier based on FeO/chitosan/montmorillonite for quercetin delivery. <i>International Journal of Biological Macromolecules</i> , 2021 , 191, 738-745	7.9	1
9	Investigating role of abiotic side and finding optimum abiotic condition for improving gas biodesulfurization using Thioalkalivibrio versutus.. <i>Scientific Reports</i> , 2022 , 12, 6260	4.9	1
8	Novel microfluidic graphene oxide-protein amperometric biosensor for detecting sulfur compounds. <i>Biotechnology and Applied Biochemistry</i> , 2019 , 66, 353-360	2.8	0
7	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
6	Effect of ZnO-based nanophotocatalyst on degradation of aniline. <i>Journal of Molecular Modeling</i> , 2021 , 27, 92	2	0
5	PVA based nanofiber containing cellulose modified with graphitic carbon nitride/nettles/trachyspermum accelerates wound healing. <i>Biotechnology Progress</i> , 2021 , e3200	2.8	0

4	Acceleration of antibacterial activity of curcumin loaded biopolymers against methicillin-resistant : Synthesis, optimization, and evaluation.. <i>Engineering in Life Sciences</i> , 2022 , 22, 58-69	3.4	o
3	Fabrication of a Sensitive Biosensing System for Cu ²⁺ ion Detection by Gold-Decorated Graphene Oxide Functionalized with Gly-Gly-His. <i>Journal of Cluster Science</i> ,1	3	
2	A bioprinted composite hydrogel with controlled shear stress on cells. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021 , 235, 314-322	1.7	
1	Concentration Reduction of Gas Flaring Emissions Using Deflector Structures: A Case Study of Yadavaran Oil Field. <i>International Journal of Environmental Research</i> , 2022 , 16, 1	2.9	