

Seyed Abbas Shojaosadati

List of Publications by Year in descending order

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236
papers

7,295
citations

71102

41
h-index

91884

69
g-index

242
all docs

242
docs citations

242
times ranked

8912
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular biopolymeric flocculants. <i>Biotechnology Advances</i> , 2001, 19, 371-385.	11.7	388
2	Bioleaching of valuable metals from spent lithium-ion mobile phone batteries using <i>Aspergillus niger</i> . <i>Journal of Power Sources</i> , 2016, 320, 257-266.	7.8	308
3	Removal of metal ions from aqueous solution by polysaccharide produced from <i>Bacillus firmus</i> . <i>Water Research</i> , 2003, 37, 4231-4235.	11.3	301
4	Shelf life and delivery enhancement of vitamin C using chitosan nanoparticles. <i>Food Chemistry</i> , 2011, 126, 935-940.	8.2	167
5	Evaluation of antioxidant activities of bioactive compounds and various extracts obtained from saffron (<i>Crocus sativus</i> L.): a review. <i>Journal of Food Science and Technology</i> , 2015, 52, 1881-1888.	2.8	138
6	Citric acid production from apple pomace in multi-layer packed bed solid-state bioreactor. <i>Process Biochemistry</i> , 2002, 37, 909-914.	3.7	123
7	Bioleaching of heavy metals from spent household batteries using <i>Acidithiobacillus ferrooxidans</i> : Statistical evaluation and optimization. <i>Separation and Purification Technology</i> , 2014, 132, 309-316.	7.9	120
8	Optimization of PEGylation Conditions for BSA Nanoparticles Using Response Surface Methodology. <i>AAPS PharmSciTech</i> , 2010, 11, 1206-1211.	3.3	98
9	Green synthesis of silver nanoparticles by a novel method: Comparative study of their properties. <i>Carbohydrate Polymers</i> , 2012, 89, 467-472.	10.2	94
10	Nanoparticles based on crocin loaded chitosan-alginate biopolymers: Antioxidant activities, bioavailability and anticancer properties. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 401-408.	7.5	94
11	In situ synthesis of a drug-loaded MOF at room temperature. <i>Microporous and Mesoporous Materials</i> , 2014, 186, 73-79.	4.4	92
12	Improvement of crocin stability by biodegradable nanoparticles of chitosan-alginate. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 423-432.	7.5	92
13	Evaluation of the catalytic, antibacterial and anti-biofilm activities of the <i>Convolvulus arvensis</i> extract functionalized silver nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 167, 36-44.	3.8	92
14	Role of <i>Aspergillus niger</i> in recovery enhancement of valuable metals from produced red mud in Bayer process. <i>Bioresource Technology</i> , 2016, 218, 991-998.	9.6	91
15	Statistical media optimization for growth and PHB production from methanol by a methylotrophic bacterium. <i>Bioresource Technology</i> , 2009, 100, 2436-2443.	9.6	90
16	A novel surfactant-assisted ionic liquid pretreatment of sugarcane bagasse for enhanced enzymatic hydrolysis. <i>Bioresource Technology</i> , 2014, 169, 33-37.	9.6	90
17	Aptamer functionalized curcumin-loaded human serum albumin (HSA) nanoparticles for targeted delivery to HER-2 positive breast cancer cells. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 109-116.	7.5	86
18	5-Fluorouracil-Loaded BSA Nanoparticles: Formulation Optimization and In Vitro Release Study. <i>AAPS PharmSciTech</i> , 2008, 9, 1092-1096.	3.3	84

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19	Asphaltene biodegradation using microorganisms isolated from oil samples. <i>Fuel</i> , 2012, 93, 142-148.	6.4	84
20	Rapid and green synthesis of silver nanoparticles using <i>Diospyros lotus</i> extract: Evaluation of their biological and catalytic activities. <i>Polyhedron</i> , 2019, 171, 172-180.	2.2	81
21	Optimization of petroleum refinery effluent treatment in a UASB reactor using response surface methodology. <i>Journal of Hazardous Materials</i> , 2011, 197, 26-32.	12.4	77
22	Controlled biosynthesis of silver nanoparticles using nitrate reductase enzyme induction of filamentous fungus and their antibacterial evaluation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1588-1596.	2.8	71
23	Isolation and characterisation of a bioflocculant produced by <i>Bacillus firmus</i> . <i>Biotechnology Letters</i> , 2002, 24, 35-40.	2.2	69
24	Modelling of simultaneous effect of moisture and temperature on <i>A. niger</i> growth in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2004, 21, 265-272.	3.6	67
25	Platinum and rhenium extraction from a spent refinery catalyst using <i>Bacillus megaterium</i> as a cyanogenic bacterium: Statistical modeling and process optimization. <i>Bioresource Technology</i> , 2014, 171, 401-409.	9.6	66
26	Evaluation of the antibacterial activity of Ag/Fe ₃ O ₄ nanocomposites synthesized using starch. <i>Carbohydrate Polymers</i> , 2016, 144, 454-463.	10.2	63
27	Cr and Ni recovery during bioleaching of dewatered metal-plating sludge using <i>Acidithiobacillus ferrooxidans</i> . <i>Bioresource Technology</i> , 2014, 167, 61-68.	9.6	56
28	Magnetic pectin- <i>Chlorella vulgaris</i> biosorbent for the adsorption of dyes. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103062.	6.7	56
29	Optimization of an anti-HER2 monoclonal antibody targeted delivery system using PEGylated human serum albumin nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 447, 62-69.	5.2	55
30	Extracellular biosynthesis of silver nanoparticles using a novel and non-pathogenic fungus, <i>Neurospora intermedia</i> : controlled synthesis and antibacterial activity. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 693-704.	3.6	55
31	Bacterial nanocellulose-pectin bionanocomposites as prebiotics against drying and gastrointestinal condition. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 9-18.	7.5	53
32	TRFBA: an algorithm to integrate genome-scale metabolic and transcriptional regulatory networks with incorporation of expression data. <i>Bioinformatics</i> , 2017, 33, 1057-1063.	4.1	53
33	Synthesis and characterization of antimicrobial wound dressing material based on silver nanoparticles loaded gum Arabic nanofibers. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 119-130.	7.5	53
34	Development of a solid-state fermentation process for production of an alpha amylase with potentially interesting properties. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 333-337.	2.2	52
35	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.	3.6	51
36	Effect of Process Variables on Supercritical Fluid Disruption of <i>Ralstonia eutropha</i> Cells for Poly(R-hydroxybutyrate) Recovery. <i>Biotechnology Progress</i> , 2004, 20, 1757-1765.	2.6	50

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37	Styrene vapor biodegradation in single- and two-liquid phase biotrickling filters using <i>Ralstonia eutropha</i> . <i>Chemical Engineering Journal</i> , 2015, 268, 21-27.	12.7	49
38	MPG-based nanoparticle: An efficient delivery system for enhancing the potency of DNA vaccine expressing HPV16E7. <i>Vaccine</i> , 2015, 33, 3164-3170.	3.8	47
39	A Method To Optimize PEG-Coating of Red Blood Cells. <i>Bioconjugate Chemistry</i> , 2006, 17, 1288-1293.	3.6	46
40	Efficient Delivery of Therapeutic Agents by Using Targeted Albumin Nanoparticles. <i>Advances in Protein Chemistry and Structural Biology</i> , 2015, 98, 121-143.	2.3	45
41	Enhancement and Characterization of Chitosan Extraction from the Wastes of Shrimp Packaging Plants. <i>Journal of Polymers and the Environment</i> , 2011, 19, 776-783.	5.0	44
42	Bioleaching of V, Ni, and Cu from residual produced in oil fired furnaces using <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2015, 157, 50-59.	4.3	44
43	Effect of moderate static electric field on the growth and metabolism of <i>Chlorella vulgaris</i> . <i>Bioresource Technology</i> , 2016, 218, 700-711.	9.6	44
44	Genome-scale metabolic model of <i>Pichia pastoris</i> with native and humanized glycosylation of recombinant proteins. <i>Biotechnology and Bioengineering</i> , 2016, 113, 961-969.	3.3	43
45	Magnetic silica coated iron carbide/alginate beads: Synthesis and application for adsorption of Cu (II) from aqueous solutions. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 941-947.	7.5	43
46	Optimization and evaluation of acetylcholine esterase immobilization on ceramic packing using response surface methodology. <i>Process Biochemistry</i> , 2010, 45, 81-87.	3.7	42
47	Protein enrichment of lignocellulosic substrates by solid state fermentation using <i>Neurospora sitophila</i> . <i>Resources, Conservation and Recycling</i> , 1999, 27, 73-87.	10.8	41
48	Process development for production of recombinant human interferon- γ expressed in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 63-69.	3.0	40
49	Extensive biodegradation of highly chlorinated biphenyl and Aroclor 1242 by <i>Pseudomonas aeruginosa</i> TMU56 isolated from contaminated soils. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 788-794.	3.9	40
50	Redox responsive curcumin-loaded human serum albumin nanoparticles: Preparation, characterization and in vitro evaluation. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 759-766.	7.5	40
51	A novel double-network antibacterial hydrogel based on aminated bacterial cellulose and schizophyllan. <i>Carbohydrate Polymers</i> , 2020, 229, 115383.	10.2	40
52	Bioethanol production from carob pods by solid-state fermentation with <i>Zymomonas mobilis</i> . <i>Applied Energy</i> , 2012, 99, 372-378.	10.1	39
53	Improvement of mixing time, mass transfer, and power consumption in an external loop airlift photobioreactor for microalgae cultures. <i>Biochemical Engineering Journal</i> , 2014, 87, 25-32.	3.6	39
54	Starch- and carboxymethylcellulose-coated bacterial nanocellulose-pectin bionanocomposite as novel protective prebiotic matrices. <i>Food Hydrocolloids</i> , 2017, 63, 273-285.	10.7	39

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55	Ag/Fe ₃ O ₄ nanocomposites penetrate and eradicate <i>S. aureus</i> biofilm in an in vitro chronic wound model. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 192-200.	5.0	39
56	Mussel-Inspired Magnetic Nanoflowers as an Effective Nanozyme and Antimicrobial Agent for Biosensing and Catalytic Reduction of Organic Dyes. <i>ACS Omega</i> , 2020, 5, 18766-18777.	3.5	38
57	Bioconversion of molasses stillage to protein as an economic treatment of this effluent. <i>Resources, Conservation and Recycling</i> , 1999, 27, 125-138.	10.8	37
58	Comparison of submerged and solid state fermentation systems effects on the catalytic activity of <i>Bacillus sp.</i> KR-8104 α -amylase at different pH and temperatures. <i>Industrial Crops and Products</i> , 2013, 43, 661-667.	5.2	37
59	Over-expression of recombinant human interferon-gamma in high cell density fermentation of <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2003, 25, 1989-1992.	2.2	36
60	Separation of l-lysine from dilute aqueous solution using molecular imprinting technique. <i>Biochemical Engineering Journal</i> , 2007, 35, 352-356.	3.6	36
61	Characterization and optimization of schizophyllan production from date syrup. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 484-493.	7.5	36
62	Formulation and anti-neurotoxic activity of baicalein-incorporating neutral nanoliposome. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 578-587.	5.0	36
63	Over-production of human interferon- β by HCDC of recombinant <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2007, 42, 112-117.	3.7	35
64	Preparation and Characterisation of Bioemulsifier from <i>Saccharomyces cerevisiae</i> and its Application in Food Products. <i>LWT - Food Science and Technology</i> , 1996, 29, 734-737.	5.2	34
65	Chemical synthesis of polypyrrole nanostructures: Optimization and applications for neural microelectrodes. <i>Materials and Design</i> , 2016, 96, 378-384.	7.0	34
66	Preparation of antibacterial ZnO NP-containing schizophyllan/bacterial cellulose nanocomposite for wound dressing. <i>Cellulose</i> , 2021, 28, 9269-9282.	4.9	34
67	Optimization of RGD-modified Nano-liposomes Encapsulating Eptifibatide. <i>Iranian Journal of Biotechnology</i> , 2016, 14, 33-40.	0.3	33
68	Multifunctional nanoparticles for cancer immunotherapy. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 1-13.	3.3	33
69	A comparative study on schizophyllan and chitin nanoparticles for ellagic acid delivery in treating breast cancer. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 380-388.	7.5	33
70	Heat-Induced Production of Human Growth Hormone by High Cell Density Cultivation of Recombinant <i>Escherichia Coli</i> . <i>Biotechnology Letters</i> , 2004, 26, 245-250.	2.2	32
71	A novel self-assembled micelles based on stearic acid modified schizophyllan for efficient delivery of paclitaxel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111524.	5.0	31
72	Investigation of gas properties, design, and operational parameters on hydrodynamic characteristics, mass transfer, and biomass production from natural gas in an external airlift loop bioreactor. <i>Chemical Engineering Science</i> , 2009, 64, 2455-2465.	3.8	30

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73	The potential of brewer's spent grain to improve the production of α -amylase by <i>Bacillus</i> sp. KR-8104 in submerged fermentation system. <i>New Biotechnology</i> , 2011, 28, 165-172.	4.4	30
74	Bioleaching of fuel-oil ash using <i>Acidithiobacillus thiooxidans</i> in shake flasks and a slurry bubble column bioreactor. <i>RSC Advances</i> , 2016, 6, 21756-21764.	3.6	30
75	Bisphenol A degradation by <i>Ralstonia eutropha</i> in the absence and presence of phenol. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 37-42.	3.9	30
76	Synthesis and characterization of multilayered nanobiohybrid magnetic particles for biomedical applications. <i>Materials and Design</i> , 2017, 115, 317-324.	7.0	30
77	Plant Polyphenols Inhibit Functional Amyloid and Biofilm Formation in <i>Pseudomonas</i> Strains by Directing Monomers to Off-Pathway Oligomers. <i>Biomolecules</i> , 2019, 9, 659.	4.0	30
78	A proposed feeding strategy for the overproduction of recombinant proteins in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2008, 49, 141.	3.1	29
79	Statistical evaluation and optimization of effective parameters in bioleaching of metals from molybdenite concentrate using <i>Acidianus brierleyi</i> . <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3096-3101.	5.8	29
80	Strong interactions with polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA NPs) alter $I\alpha$ -synuclein conformation and aggregation kinetics. <i>Nanoscale</i> , 2015, 7, 19627-19640.	5.6	29
81	Encapsulation of eptifibatid in RGD-modified nanoliposomes improves platelet aggregation inhibitory activity. <i>Journal of Thrombosis and Thrombolysis</i> , 2017, 43, 184-193.	2.1	29
82	Biodegradation of dibenzothiophene by thermophilic bacteria. <i>Biotechnology Letters</i> , 2001, 23, 899-901.	2.2	28
83	Efficient loading and entrapment of tamoxifen in human serum albumin based nanoparticulate delivery system by a modified desolvation technique. <i>Chemical Engineering Research and Design</i> , 2014, 92, 1681-1692.	5.6	28
84	Green Synthesis of Different Shapes of Silver Nanostructures and Evaluation of Their Antibacterial and Cytotoxic Activity. <i>BioNanoScience</i> , 2018, 8, 72-80.	3.5	28
85	Synthesis and characterization of schizophyllan nanogels via inverse emulsion using biobased materials. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 468-474.	7.5	28
86	The effect of silicone oil on biofiltration of hydrophobic compounds. <i>Environmental Progress</i> , 2002, 21, 221-224.	0.7	27
87	Bioleaching of an oil-fired residual: process optimization and nanostructure $\text{NaV}_6\text{O}_{15}$ synthesis from the bioleachate. <i>RSC Advances</i> , 2015, 5, 41088-41097.	3.6	27
88	Enhancement of Human β -Interferon Production in Recombinant <i>E. coli</i> Using Batch Cultivation. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2366-2376.	2.9	26
89	Mathematical modeling of biomass and α -amylase production kinetics by <i>Bacillus</i> sp. in solid-state fermentation based on solid dry weight variation. <i>Biochemical Engineering Journal</i> , 2011, 53, 159-164.	3.6	26
90	Fabrication and characterization of a new MRI contrast agent based on a magnetic dextran-spermine nanoparticle system. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 239-251.	2.4	26

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91	Reconstruction of a charge balanced genome-scale metabolic model to study the energy-uncoupled growth of <i>Zymomonas mobilis</i> ZM1. <i>Molecular BioSystems</i> , 2016, 12, 1241-1249.	2.9	26
92	Techno-economic and environmental assessment of conceptually designed in situ lipid extraction process from microalgae. <i>Algal Research</i> , 2018, 35, 547-560.	4.6	26
93	Synergistic Effect of Self-Assembled Curcumin and Piperine Co-Loaded Human Serum Albumin Nanoparticles on Suppressing Cancer Cells. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1647-1655.	2.0	26
94	Effect of feed composition on PHB production from methanol by HCDC of <i>Methylobacterium extorquens</i> (DSMZ 1340). <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1136-1139.	3.2	25
95	Study of geometry and operational conditions on mixing time, gas hold up, mass transfer, flow regime and biomass production from natural gas in a horizontal tubular loop bioreactor. <i>Chemical Engineering Science</i> , 2009, 64, 540-547.	3.8	25
96	Biodegradation potential of hydrocarbons in petroleum refinery effluents using a continuous anaerobic-aerobic hybrid system. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 874-881.	2.7	25
97	Reducing agent-free synthesis of curcumin-loaded albumin nanoparticles by self-assembly at room temperature. <i>International Journal of Pharmaceutics</i> , 2017, 529, 303-309.	5.2	25
98	The Effects of Organic Solvents on the Physicochemical Properties of Human Serum Albumin Nanoparticles. <i>Iranian Journal of Biotechnology</i> , 2016, 14, 45-50.	0.3	25
99	Removal of hydrogen sulfide by the compost biofilter with sludge of leather industry. <i>Resources, Conservation and Recycling</i> , 1999, 27, 139-144.	10.8	24
100	Variable optimization for biopulping of agricultural residues by <i>Ceriporiopsis subvermispora</i> . <i>Bioresource Technology</i> , 2008, 99, 4321-4328.	9.6	24
101	Evaluation and optimization of ethanol production from carob pod extract by <i>Zymomonas mobilis</i> using response surface methodology. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 101-111.	3.0	24
102	Synthesis and characterization of Schiff base containing bovine serum albumin-gum arabic aldehyde hybrid nanogels via inverse miniemulsion for delivery of anticancer drug. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 222-231.	7.5	24
103	Preparation and purification of synthetic protein nanoparticulates. <i>IET Nanobiotechnology</i> , 2004, 151, 176.	2.1	23
104	Experiments and a three-phase computational fluid dynamics (CFD) simulation coupled with population balance equations of a stirred tank bioreactor for high cell density cultivation. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 20-32.	1.7	23
105	Pectin-non-starch nanofibers biocomposites as novel gastrointestinal-resistant prebiotics. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 131-144.	7.5	23
106	Bacterial amphiphiles as amyloid inducers: Effect of Rhamnolipid and Lipopolysaccharide on FapC fibrillation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140263.	2.3	23
107	Synergistic Effect of Nutrient and Salt Stress on Lipid Productivity of <i>Chlorella vulgaris</i> Through Two-Stage Cultivation. <i>Bioenergy Research</i> , 2020, 13, 507-517.	3.9	23
108	RGD-Modified Nano-Liposomes Encapsulated Eptifibatide with Proper Hemocompatibility and Cytotoxicity Effect. <i>Iranian Journal of Biotechnology</i> , 2019, 17, 8-13.	0.3	23

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109	Two Liquid Phase Biofiltration for Removal of n-Hexane from Polluted Air. <i>Environmental Engineering Science</i> , 2006, 23, 954-959.	1.6	22
110	Immobilization of magnetic modified <i>Flavobacterium ATCC 27551</i> using magnetic field and evaluation of the enzyme stability of immobilized bacteria. <i>Bioresource Technology</i> , 2012, 104, 6-11.	9.6	22
111	Conjugated linoleic acid production from various substrates by probiotic <i>Lactobacillus plantarum</i> . <i>Annals of Microbiology</i> , 2015, 65, 27-32.	2.6	22
112	Styrene vapor mass transfer in a biotrickling filter: Effects of silicone oil volume fraction, gas-to-liquid flow ratio, and operating temperature. <i>Chemical Engineering Journal</i> , 2016, 284, 926-933.	12.7	22
113	Prevention of human granulocyte colony-stimulating factor protein aggregation in recombinant <i>Pichia pastoris</i> fed-batch fermentation using additives. <i>Biotechnology and Applied Biochemistry</i> , 2009, 52, 141.	3.1	21
114	Study of hydrodynamics, mass transfer, energy consumption, and biomass production from natural gas in a forced-liquid vertical tubular loop bioreactor. <i>Biochemical Engineering Journal</i> , 2010, 49, 192-200.	3.6	21
115	Gallic acid loaded onto polyethylenimine-coated human serum albumin nanoparticles (PEI-HSA-GA NPs) stabilizes β -synuclein in the unfolded conformation and inhibits aggregation. <i>RSC Advances</i> , 2016, 6, 85312-85323.	3.6	21
116	A comparative and systematic approach to desolvation and self-assembly methods for synthesis of piperine-loaded human serum albumin nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110534.	5.0	21
117	Removal of toluene in a biotrickling filter in the presence of methanol vapors: Experimental study, mathematical modeling, and kinetic parameters optimization. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104617.	6.7	21
118	The Use of Biomass and Stillage Recycle in Conventional Ethanol Fermentation. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 67, 362-366.	3.2	20
119	Two-stage glycerol feeding for enhancement of recombinant hG-CSF production in a fed-batch culture of <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 2008, 30, 1081-1085.	2.2	20
120	Kinetics of chemical leaching of chalcopyrite from low grade copper ore: behavior of different size fractions. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2011, 18, 638-645.	4.9	20
121	Purification of extra cellular poly- β -glutamic acid as an antibacterial agent using anion exchange chromatography. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 142-149.	7.5	20
122	Schizophyllan production by newly isolated fungus <i>Schizophyllum commune</i> IBRC-M 30213: optimization of culture medium using response surface methodology. <i>Annals of Microbiology</i> , 2018, 68, 47-62.	2.6	20
123	The Effect of Surface Coating of Iron Oxide Nanoparticles on Magnetic Resonance Imaging Relaxivity. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	20
124	Maximizing Production of Human Interferon- β in HCDC of Recombinant <i>E. coli</i> . <i>Iranian Journal of Pharmaceutical Research</i> , 2013, 12, 563-72.	0.5	20
125	Continuous production of monoclonal antibody in a packed-bed bioreactor. <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 273-278.	3.1	19
126	Experimental study and CFD simulation of phenol removal by immobilization of soybean seed coat in a packed-bed bioreactor. <i>Biochemical Engineering Journal</i> , 2015, 101, 32-43.	3.6	19

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127	Evaluation of the effect of nanoporous nanorods Zn ₂ (bdc) ₂ (dabco) dimension on ibuprofen loading and release. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1205-1212.	2.2	19
128	Cometabolic degradation of bisphenol A by pure culture of <i>Ralstonia eutropha</i> and metabolic pathway analysis. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 732-737.	2.2	19
129	Evaluation of silver nanoparticles produced by fungus <i>Fusarium oxysporum</i> . <i>International Journal of Nanotechnology</i> , 2009, 6, 973.	0.2	18
130	A new methanol-feeding strategy for the improved production of β -galactosidase in high cell-density fed-batch cultures of <i>Pichia pastoris</i> Mut ⁺ strains. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 76-83.	2.6	18
131	Synergisms of machine learning and constraint-based modeling of metabolism for analysis and optimization of fermentation parameters. <i>Biotechnology Journal</i> , 2021, 16, e2100212.	3.5	18
132	A two-phase kinetic model for fungal growth in solid-state cultivation. <i>Biochemical Engineering Journal</i> , 2007, 36, 100-107.	3.6	17
133	Auto-inducible expression system based on the SigB-dependent <i>ohrB</i> promoter in <i>Bacillus subtilis</i> . <i>Molecular Biology</i> , 2014, 48, 852-857.	1.3	17
134	The possible mechanisms involved in nanoparticles biosynthesis. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2046-2050.	5.8	16
135	Attachment of an anti-MUC1 monoclonal antibody to 5-FU loaded BSA nanoparticles for active targeting of breast cancer cells. <i>Human Antibodies</i> , 2013, 21, 49-56.	1.5	16
136	Preparation and in vitro characterization of gallic acid-loaded human serum albumin nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	16
137	Theranostic magnetite cluster@silica@albumin double-shell particles as suitable carriers for water-insoluble drugs and enhanced T2 MR imaging contrast agents. <i>Materials Science and Engineering C</i> , 2019, 99, 1485-1492.	7.3	16
138	Transient-state strategies for the removal of toluene vapor in a two-liquid phase biotrickling filter: Experimental study and neural network analysis. <i>Chemical Engineering Research and Design</i> , 2019, 121, 184-193.	5.6	16
139	Mathematical Models for Microbial Kinetics in Solid-State Fermentation: A Review. <i>Iranian Journal of Biotechnology</i> , 2013, 11, 156-67.	0.3	16
140	Implications of recovery procedures on structural and rheological properties of schizophyllan produced from date syrup. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 36-44.	7.5	15
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