

Mohammad Hossein Morowvat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

988
citations

17
h-index

29
g-index

82
ext. papers

1,212
ext. citations

2.5
avg, IF

4.51
L-index

#	Paper	IF	Citations
65	Cost-effectiveness analysis of rituximab versus natalizumab in patients with relapsing remitting multiple sclerosis.. <i>BMC Health Services Research</i> , 2022 , 22, 118	2.9	1
64	Potential senotherapeutic candidates and their combinations derived from transcriptional connectivity and network measures. <i>Informatics in Medicine Unlocked</i> , 2022 , 30, 100920	5.3	0
63	Experimental Analysis of E2BB (LTIIb) Signal Peptide in Secretory Production of Reteplase in Escherichia coli. <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 209-218	2.1	
62	Drug Delivery Assessment of a Novel Triple Antibiotic-Eluting Injectable Platelet-Rich Fibrin Scaffold: An In Vitro Study. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 380-388	2.6	4
61	CRISPeering: Bioengineering the Host Cells through CRISPRCas9 Genome Editing System as the Next-generation of Cell Factories. <i>Recent Patents on Biotechnology</i> , 2021 , 15, 137-147	2.2	
60	CRISPR/Cas9 Technology as a Modern Genetic Manipulation Tool for Recapitulating of Neurodegenerative Disorders in Large Animal Models. <i>Current Gene Therapy</i> , 2021 , 21, 130-148	4.3	1
59	Green Synthesis of Selenium Nanoparticles by Cyanobacterium (abdf2224): Cultivation Condition Quality Controls. <i>BioMed Research International</i> , 2021 , 2021, 6635297	3	3
58	In Silico Investigation of Signal Peptide Sequences to Enhance Secretion of CD44 Nanobodies Expressed in Escherichia coli. <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 1192-1205	2.6	
57	Biosynthesis of Metals and Metal Oxide Nanoparticles Through Microalgal Nanobiotechnology: Quality Control Aspects. <i>BioNanoScience</i> , 2021 , 11, 209-226	3.4	5
56	Exploring the dysregulated mRNAs-miRNAs-lncRNAs interactions associated to idiopathic non-obstructive azoospermia. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 1-9	3.6	2
55	Antimicrobial Efficacy of a Novel Antibiotic-Eluting Injectable Platelet-Rich Fibrin Scaffold against a Dual-Species Biofilm in an Infected Immature Root Canal Model. <i>BioMed Research International</i> , 2020 , 2020, 6623830	3	4
54	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. <i>Current Pharmaceutical Biotechnology</i> , 2020 , 21, 316-324	2.6	4
53	Computational Analysis of Arginine Deiminase Sequences to Provide a Guideline for Protein Engineering. <i>Current Proteomics</i> , 2020 , 17, 132-146	0.7	1
52	Cell Penetrating Peptide: Sequence-Based Computational Prediction for Intercellular Delivery of Arginine Deiminase. <i>Current Proteomics</i> , 2020 , 17, 117-131	0.7	5
51	Effects of Sulfur Starvation on Growth Rates, Biomass and Lipid Contents in the Green Microalga. <i>Recent Patents on Biotechnology</i> , 2020 , 14, 145-153	2.2	2
50	Amino Acids Sequence-based Analysis of Arginine Deiminase from Different Prokaryotic Organisms: An In Silico Approach. <i>Recent Patents on Biotechnology</i> , 2020 , 14, 235-246	2.2	1
49	Maximizing Biomass and Lipid Production in Heterotrophic Culture of Chlorella vulgaris: Techno-Economic Assessment. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2019 , 10, 115-123	1.9	5

48	Paromomycin-loaded mannosylated chitosan nanoparticles: Synthesis, characterization and targeted drug delivery against leishmaniasis. <i>Acta Tropica</i> , 2019 , 197, 105045	3.2	10
47	Expanding the Biotherapeutics Realm via miR-34a: "Potent Clever Little" Agent in Breast Cancer Therapy. <i>Current Pharmaceutical Biotechnology</i> , 2019 , 20, 665-673	2.6	3
46	Pharmacokinetic Aspects of Carbon Nanotubes: Improving Outcomes of Functionalization. <i>Current Nanoscience</i> , 2019 , >15, 454-459	1.4	5
45	Arginine Deiminase: Current Understanding and Applications. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 124-136	2.2	7
44	In silico Analysis of Different Signal Peptides for Secretory Production of Arginine Deiminase in Escherichia coli. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 217-227	2.2	7
43	Investigation of Antioxidant Properties of Three Naturally Isolated Microalgae: Identification and Bioinformatics Evaluation of the Most Efficient Strain. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 277-283 ²	2.2	4
42	In silico Analysis of Different Signal Peptides for the Excretory Production of Recombinant NS3-GP96 Fusion Protein in Escherichia coli. <i>International Journal of Peptide Research and Therapeutics</i> , 2019 , 25, 1279-1290	2.1	11
41	Decreasing the immunogenicity of arginine deiminase enzyme via structure-based computational analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 523-536	3.6	19
40	Preparation of meglumine antimonate loaded albumin nanoparticles and evaluation of its anti-leishmanial activity: an in vitro assay. <i>Journal of Parasitic Diseases</i> , 2018 , 42, 416-422	1.3	9
39	Exopolysaccharide from sp. BCCS 001 GH isolated from nectarine fruit: production in submerged culture and preliminary physicochemical characterizations. <i>Food Science and Biotechnology</i> , 2018 , 27, 1735-1746	3	2
38	Extracellular Production of a Potent and Chemically Resistant Nattokinase in Immobilized Escherichia coli Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2018 , 19, 856-868	2.6	4
37	Cell Growth, Lipid Production and Productivity in Photosynthetic Microalga Chlorella vulgaris under Different Nitrogen Concentrations and Culture Media Replacement. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2018 , 9, 142-151	1.9	1
36	Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. <i>Infection, Genetics and Evolution</i> , 2018 , 58, 96-109	4.5	56
35	Exopolysaccharide production of Pantoea sp. BCCS 001 GH: Physical characterizations, emulsification, and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1103-1111	7.9	16
34	Expression analysis and ATR-FTIR characterization of the secondary structure of recombinant human TNF- α from Escherichia coli SHuffle T7 Express and BL21 (DE3) cells. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 173-178	7.9	16
33	A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. <i>Infection, Genetics and Evolution</i> , 2017 , 54, 402-416	4.5	41
32	Medium Optimization for Recombinant Soluble Arginine Deiminase Expression in Escherichia coli Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 935-941	2.6	8
31	In Silico Study of Different Signal Peptides for Secretory Production of Interleukin-11 in Escherichia coli. <i>Current Proteomics</i> , 2017 , 14, 112-121	0.7	26

30	In silico Analysis of Several Signal Peptides for the Excretory Production of Reteplase in Escherichia coli. <i>Current Proteomics</i> , 2017 , 14,	0.7	11
29	Effects of Sulfur, Iron and Manganese Starvation on Growth, β -carotene Production and Lipid Profile of <i>Dunaliella salina</i> . <i>Journal of Young Pharmacists</i> , 2017 , 9, 43-46	1.8	6
28	Evaluation of antioxidant properties of some naturally isolated microalgae: Identification and characterization of the most efficient strain. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016 , 8, 263-269	4.2	16
27	Culture medium optimization for enhanced β -carotene and biomass production by <i>Dunaliella salina</i> in mixotrophic culture. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016 , 7, 217-223	4.2	41
26	Studying the features of 57 confirmed CRISPR loci in 29 strains of Escherichia coli. <i>Journal of Basic Microbiology</i> , 2016 , 56, 645-53	2.7	17
25	Road to the future of systems biotechnology: CRISPR-Cas-mediated metabolic engineering for recombinant protein production. <i>Biotechnology and Genetic Engineering Reviews</i> , 2016 , 32, 74-91	4.1	8
24	Comparing the Effectiveness of Dietary Vitamin C and Exercise Interventions on Fertility Parameters in Normal Obese Men. <i>Urology Journal</i> , 2016 , 13, 2635-9	0.9	20
23	Optimization of Fermentation Conditions for Recombinant Human Interferon Beta Production by Escherichia coli Using the Response Surface Methodology. <i>Jundishapur Journal of Microbiology</i> , 2015 , 8, e16236	1.2	24
22	Treating Urban Wastewater: Nutrient Removal by Using Immobilized Green Algae in Batch Cultures. <i>International Journal of Phytoremediation</i> , 2015 , 17, 1177-82	3.9	14
21	Probiotic Potential of Five Lactobacillus Strains Isolated from Traditional Persian Yoghurt in Fars province, Iran: Viewing Through the Window of Phylogenetics. <i>Biosciences, Biotechnology Research Asia</i> , 2015 , 12, 1265-1272	0.5	4
20	Overexpression of Recombinant Human Beta Interferon (rhINF- β) in Periplasmic Space of Escherichia coli. <i>Iranian Journal of Pharmaceutical Research</i> , 2014 , 13, 151-60	1.1	15
19	The possible role of HSPs on Behçet's disease: a bioinformatic approach. <i>Computers in Biology and Medicine</i> , 2012 , 42, 1079-85	7	21
18	Isolation and characterization of some moderately halophilic bacteria with lipase activity. <i>Microbiology</i> , 2011 , 80, 483-487	1.4	21
17	Single Cell Protein: Production and Process. <i>American Journal of Food Technology</i> , 2011 , 6, 103-116	0.1	214
16	Characterization of hydrocortisone bioconversion and 16S RNA gene in <i>Synechococcus nidulans</i> cultures. <i>Applied Biochemistry and Microbiology</i> , 2010 , 46, 191-197	1.1	4
15	Biotransformation of some monoterpenoid ketones by <i>Chlorella vulgaris</i> MCCS 012. <i>Chemistry of Natural Compounds</i> , 2010 , 46, 734-737	0.7	5
14	Chlamydomonas as a "new" organism for biodiesel production. <i>Bioresource Technology</i> , 2010 , 101, 2059-62	6.2	33
13	C-20 ketone reduction of hydrocortisone by rice field microalga <i>Chlorella vulgaris</i> MCCS 013. <i>Chemistry of Natural Compounds</i> , 2009 , 45, 824-828	0.7	3

12	Biotransformation of monoterpenes by <i>Oocystis pusilla</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 1301-1304	4.4	17
11	PCR amplification of 18S rRNA, single cell protein production and fatty acid evaluation of some naturally isolated microalgae. <i>Food Chemistry</i> , 2009 , 116, 129-136	8.5	49
10	Characterization of hydrocortisone biometabolites and 18S rRNA gene in <i>Chlamydomonas reinhardtii</i> cultures. <i>Molecules</i> , 2008 , 13, 2416-25	4.8	15
9	An Optimized Medium for Screening of L-Asparaginase production by <i>Escherichia coli</i> . <i>American Journal of Biochemistry and Biotechnology</i> , 2008 , 4, 422-424	0.4	21
8	Bioconversion of Hydrocortisone by Unicellular Microalga <i>Oocystis pusilla</i> . <i>Biotechnology</i> , 2008 , 7, 293-298	0.8	8
7	Side-chain cleavage and C-20 ketone reduction of hydrocortisone by a natural isolate of <i>Chroococcus dispersus</i> . <i>Annals of Microbiology</i> , 2007 , 57, 577-581	3.2	14
6	Composition and Antimicrobial Activity of the Essential Oil and Extract of <i>Hypericum elongatum</i> . <i>Journal of Applied Sciences</i> , 2007 , 7, 2671-2675	0.3	9
5	Antifungal and Antibacterial Activity of the Microalgae Collected from Paddy Fields of Iran: Characterization of Antimicrobial Activity of <i>Chroococcus dispersus</i> . <i>Journal of Biological Sciences</i> , 2007 , 7, 904-910	0.4	59
4	Effects of osmotic shock on production of beta-carotene and glycerol in a naturally isolated strain of <i>Dunaliella salina</i> . <i>Journal of Applied Pharmaceutical Science</i> , 160-163	2	2
3	Investigating the effects of phytohormones on growth and beta-carotene production in a naturally isolates stain of <i>Dunaliella salina</i> . <i>Journal of Applied Pharmaceutical Science</i> , 164-171	2	11
2	Effects of menthone and piperitone on growth, chlorophyll a and beta-carotene production in <i>Dunaliella salina</i> . <i>Journal of Applied Pharmaceutical Science</i> , 215-219	2	2
1	Effect of hydrodynamic parameters on hydrogen production by <i>Anabaena</i> sp. in an internal-loop airlift photobioreactor. <i>Brazilian Journal of Chemical Engineering</i> , 1	1.7	0