

Mohammad Hossein Morowvat

List of Publications by Citations

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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 | Single Cell Protein: Production and Process. <i>American Journal of Food Technology</i> , 2011 , 6, 103-116 | 0.1 | 214 |
| 64 | 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 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | <i>Chlamydomonas</i> as a "new" organism for biodiesel production. <i>Bioresource Technology</i> , 2010 , 101, 2059-62 | 6.2 | 33 |
| 58 | In Silico Study of Different Signal Peptides for Secretory Production of Interleukin-11 in <i>Escherichia coli</i> . <i>Current Proteomics</i> , 2017 , 14, 112-121 | 0.7 | 26 |
| 57 | Optimization of Fermentation Conditions for Recombinant Human Interferon Beta Production by <i>Escherichia coli</i> Using the Response Surface Methodology. <i>Jundishapur Journal of Microbiology</i> , 2015 , 8, e16236 | 1.2 | 24 |
| 56 | 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 |
| 55 | Isolation and characterization of some moderately halophilic bacteria with lipase activity. <i>Microbiology</i> , 2011 , 80, 483-487 | 1.4 | 21 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | Biotransformation of monoterpenes by <i>Oocystis pusilla</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 1301-1304 | 4.4 | 17 |
| 50 | Studying the features of 57 confirmed CRISPR loci in 29 strains of <i>Escherichia coli</i> . <i>Journal of Basic Microbiology</i> , 2016 , 56, 645-53 | 2.7 | 17 |
| 49 | Expression analysis and ATR-FTIR characterization of the secondary structure of recombinant human TNF- α from <i>Escherichia coli</i> SHuffle T7 Express and BL21 (DE3) cells. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 173-178 | 7.9 | 16 |

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| 48 | 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 |
| 47 | Exopolysaccharide production of <i>Pantoea</i> sp. BCCS 001 GH: Physical characterizations, emulsification, and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1103-1111 | 7.9 | 16 |
| 46 | Characterization of hydrocortisone biometabolites and 18S rRNA gene in <i>Chlamydomonas reinhardtii</i> cultures. <i>Molecules</i> , 2008 , 13, 2416-25 | 4.8 | 15 |
| 45 | Overexpression of Recombinant Human Beta Interferon (rhINF- β) in Periplasmic Space of <i>Escherichia coli</i> . <i>Iranian Journal of Pharmaceutical Research</i> , 2014 , 13, 151-60 | 1.1 | 15 |
| 44 | 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 |
| 43 | 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 |
| 42 | In silico Analysis of Several Signal Peptides for the Excretory Production of Reteplase in <i>Escherichia coli</i> . <i>Current Proteomics</i> , 2017 , 14, | 0.7 | 11 |
| 41 | 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 |
| 40 | In silico Analysis of Different Signal Peptides for the Excretory Production of Recombinant NS3-GP96 Fusion Protein in <i>Escherichia coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2019 , 25, 1279-1290 | 2.1 | 11 |
| 39 | Paromomycin-loaded mannosylated chitosan nanoparticles: Synthesis, characterization and targeted drug delivery against leishmaniasis. <i>Acta Tropica</i> , 2019 , 197, 105045 | 3.2 | 10 |
| 38 | 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 |
| 37 | 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 |
| 36 | Medium Optimization for Recombinant Soluble Arginine Deiminase Expression in <i>Escherichia coli</i> Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 935-941 | 2.6 | 8 |
| 35 | Bioconversion of Hydrocortisone by Unicellular Microalga <i>Oocystis pusilla</i> . <i>Biotechnology</i> , 2008 , 7, 293-298 | 1 | 8 |
| 34 | 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 |
| 33 | Arginine Deiminase: Current Understanding and Applications. <i>Recent Patents on Biotechnology</i> , 2019 , 13, 124-136 | 2.2 | 7 |
| 32 | In silico Analysis of Different Signal Peptides for Secretory Production of Arginine Deiminase in <i>Escherichia coli</i> . <i>Recent Patents on Biotechnology</i> , 2019 , 13, 217-227 | 2.2 | 7 |
| 31 | 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 |

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| 30 | Maximizing Biomass and Lipid Production in Heterotrophic Culture of <i>Chlorella vulgaris</i> : Techno-Economic Assessment. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2019 , 10, 115-123 | 1.9 | 5 |
| 29 | Biotransformation of some monoterpenoid ketones by <i>Chlorella vulgaris</i> MCCC 012. <i>Chemistry of Natural Compounds</i> , 2010 , 46, 734-737 | 0.7 | 5 |
| 28 | Cell Penetrating Peptide: Sequence-Based Computational Prediction for Intercellular Delivery of Arginine Deiminase. <i>Current Proteomics</i> , 2020 , 17, 117-131 | 0.7 | 5 |
| 27 | Pharmacokinetic Aspects of Carbon Nanotubes: Improving Outcomes of Functionalization. <i>Current Nanoscience</i> , 2019 , >15, 454-459 | 1.4 | 5 |
| 26 | Biosynthesis of Metals and Metal Oxide Nanoparticles Through Microalgal Nanobiotechnology: Quality Control Aspects. <i>BioNanoScience</i> , 2021 , 11, 209-226 | 3.4 | 5 |
| 25 | 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 |
| 24 | 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 |
| 23 | Probiotic Potential of Five <i>Lactobacillus</i> 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 |
| 22 | Extracellular Production of a Potent and Chemically Resistant Nattokinase in Immobilized <i>Escherichia coli</i> Using Response Surface Methodology. <i>Current Pharmaceutical Biotechnology</i> , 2018 , 19, 856-868 | 2.6 | 4 |
| 21 | 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 |
| 20 | 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 | 4 |
| 19 | 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 |
| 18 | C-20 ketone reduction of hydrocortisone by rice field microalga <i>Chlorella vulgaris</i> MCCC 013. <i>Chemistry of Natural Compounds</i> , 2009 , 45, 824-828 | 0.7 | 3 |
| 17 | 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 |
| 16 | Green Synthesis of Selenium Nanoparticles by <i>Cyanobacterium</i> (abdf2224): Cultivation Condition Quality Controls. <i>BioMed Research International</i> , 2021 , 2021, 6635297 | 3 | 3 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |

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| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Computational Analysis of Arginine Deiminase Sequences to Provide a Guideline for Protein Engineering. <i>Current Proteomics</i> , 2020 , 17, 132-146 | 0.7 | 1 |
| 8 | Cell Growth, Lipid Production and Productivity in Photosynthetic Microalga <i>Chlorella vulgaris</i> under Different Nitrogen Concentrations and Culture Media Replacement. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2018 , 9, 142-151 | 1.9 | 1 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Experimental Analysis of E2BB (LTIIb) Signal Peptide in Secretory Production of Reteplase in <i>Escherichia coli</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021 , 27, 209-218 | 2.1 | |
| 2 | 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 | |
| 1 | In Silico Investigation of Signal Peptide Sequences to Enhance Secretion of CD44 Nanobodies Expressed in <i>Escherichia coli</i> . <i>Current Pharmaceutical Biotechnology</i> , 2021 , 22, 1192-1205 | 2.6 | |