

# Javad Hamedi

## List of Publications by Year in descending order

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82  
papers

1,319  
citations

361296

20  
h-index

434063

31  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial properties of a bacterial cellulose CQD-TiO <sub>2</sub> nanocomposite. Carbohydrate Polymers, 2020, 234, 115835.	5.1	99
2	Systematic and biotechnological aspects of halophilic and halotolerant actinomycetes. Extremophiles, 2013, 17, 1-13.	0.9	94
3	Biotechnological application and taxonomical distribution of plant growth promoting actinobacteria. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 157-171.	1.4	93
4	Azo dye decolorization by halophilic and halotolerant microorganisms. Annals of Microbiology, 2011, 61, 217-230.	1.1	55
5	Effect of Salinity on the Tolerance to Toxic Metals and Oxyanions in Native Moderately Halophilic Spore-forming Bacilli. World Journal of Microbiology and Biotechnology, 2005, 21, 1237-1243.	1.7	45
6	Screening of antibacterial producing actinomycetes from sediments of the caspian sea. International Journal of Molecular and Cellular Medicine, 2013, 2, 64-71.	1.1	37
7	Assessing the biodegradation of polycyclic aromatic hydrocarbons and laccase production by new fungus Trematophoma sp. UTMC 5003. World Journal of Microbiology and Biotechnology, 2017, 33, 136.	1.7	36
8	Optimized bioleaching of copper by indigenous cyanogenic bacteria isolated from the landfill of e-waste. Journal of Environmental Management, 2020, 261, 110124.	3.8	34
9	Nocardiopsis arvandica sp. nov., isolated from sandy soil. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1189-1194.	0.8	33
10	A novel electrochemical biosensor based on TetX2 monooxygenase immobilized on a nano-porous glassy carbon electrode for tetracycline residue detection. Bioelectrochemistry, 2019, 128, 66-73.	2.4	32
11	Treatment of Benzene, Toluene and Xylene Contaminated Air in a Bioactive Foam Emulsion Reactor. Chinese Journal of Chemical Engineering, 2010, 18, 113-121.	1.7	29
12	Anti-elastase and anti-collagenase potential of Lactobacilli exopolysaccharides on human fibroblast. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1051-1061.	1.9	29
13	Identification and determination of extracellular phytate-degrading activity in actinomycetes. World Journal of Microbiology and Biotechnology, 2012, 28, 2601-2608.	1.7	28
14	Nocardiopsis sinuspersici sp. nov., isolated from sandy rhizospheric soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2346-2352.	0.8	27
15	Streptomyces iranensis sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1504-1509.	0.8	25
16	Introduction of marine-derived <i>Streptomyces</i> sp. UTMC 1334 as a source of pyrrole derivatives with anti-acetylcholinesterase activity. Journal of Applied Microbiology, 2018, 125, 1370-1382.	1.4	25
17	Enhancing of erythromycin production by Saccharopolyspora erythraea with common and uncommon oils. Journal of Industrial Microbiology and Biotechnology, 2004, 31, 447-456.	1.4	23
18	Development of a Reversed-Phase Liquid Chromatographic Assay for the Quantification of Total Pepsipeptides in Fermentation Broth. Chromatographia, 2016, 79, 1325-1332.	0.7	23

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19	Enhanced production of nisin by co-culture of <i>Lactococcus lactis</i> sub sp. <i>lactis</i> and <i>Yarrowia lipolytica</i> in molasses based medium. <i>Journal of Biotechnology</i> , 2017, 256, 21-26.	1.9	23
20	Enzymatic esterification of acylglycerols rich in omega-3 from flaxseed oil by an immobilized solvent-tolerant lipase from <i>Actinomadura sediminis</i> UTMC 2870 isolated from oil-contaminated soil. <i>Food Chemistry</i> , 2018, 245, 934-942.	4.2	23
21	A Study on actinobacterial diversity of Hampoeil cave and screening of their biological activities. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1587-1595.	1.8	23
22	Green Synthesis of Gold Nanoparticles by a Metal Resistant <i>Arthrobacter nitroguajacolicus</i> Isolated From Gold Mine. <i>IEEE Transactions on Nanobioscience</i> , 2015, 14, 393-396.	2.2	22
23	Biosurfactant production by <i>Mucor circinelloides</i> on waste frying oil and possible uses in crude oil remediation. <i>Water Science and Technology</i> , 2017, 76, 1706-1714.	1.2	22
24	Genome mining for ribosomally synthesised and post-translationally modified peptides (RiPPs) reveals undiscovered bioactive potentials of actinobacteria. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 1477-1499.	0.7	21
25	Distribution of actinomycetes in different soil ecosystems and effect of media composition on extracellular phosphatase activity. <i>Journal of Soil Science and Plant Nutrition</i> , 2013, , 0-0.	1.7	19
26	Biosurfactant production by <i>Mucor circinelloides</i> : Environmental applications and surface-active properties. <i>Engineering in Life Sciences</i> , 2018, 18, 317-325.	2.0	19
27	Persipeptides A and B, two cyclic peptides from <i>Streptomyces</i> sp. UTMC 1154. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 335-339.	1.4	16
28	<i>Kribbella shirazensis</i> sp. nov., isolated from Iranian soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3369-3374.	0.8	16
29	Biotechnological Exploitation of Actinobacterial Members. <i>Sustainable Development and Biodiversity</i> , 2015, , 57-143.	1.4	16
30	Inhibition of Nitrofurantoin Reduction by Menthol Leads to Enhanced Antimicrobial Activity. <i>Journal of Chemotherapy</i> , 2003, 15, 449-453.	0.7	15
31	<i>Streptomyces zagrosensis</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3434-3440.	0.8	15
32	Improved production of erythromycin by <i>Saccharopolyspora erythraea</i> by various plant oils. <i>Biotechnology Letters</i> , 2002, 24, 697-700.	1.1	14
33	<i>Promicromonospora iranensis</i> sp. nov., an actinobacterium isolated from rhizospheric soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3314-3319.	0.8	14
34	Biological soil improvement using new environmental bacteria isolated from northern Iran. <i>Environmental Geotechnics</i> , 2022, 9, 534-546.	1.3	14
35	Tellurite removal by a tellurium-tolerant halophilic bacterial strain, <i>Thermoactinomyces</i> sp. QS-2006. <i>Annals of Microbiology</i> , 2012, 62, 1031-1037.	1.1	13
36	Isolation and screening of rare <i>Actinobacteria</i> , a new insight for finding natural products with antivasular calcification activity. <i>Journal of Applied Microbiology</i> , 2018, 124, 254-266.	1.4	13

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37	Biobleaching of mechanical paper pulp using <i>Streptomyces rutgersensis</i> UTMC 2445 isolated from a lignocellulose-rich soil. <i>Journal of Applied Microbiology</i> , 2020, 128, 161-170.	1.4	12
38	Removal of airborne hexavalent chromium mist using chitosan gel beads as a new control approach. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 305-313.	1.8	11
39	Immobilized copper(II) macrocyclic complex on MWCNTs with antibacterial activity. <i>Applied Surface Science</i> , 2015, 341, 86-91.	3.1	11
40	Development of a Loop-Mediated Isothermal Amplification Assay for Rapid and Specific Identification of ACT Producing <i>Alternaria alternata</i> , the Agent of Brown Spot Disease in Tangerine. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1207-1219.	1.4	11
41	Endophytic actinobacteria of a halophytic desert plant <i>Pteropyrum olivieri</i> : promising growth enhancers of sunflower. <i>3 Biotech</i> , 2020, 10, 514.	1.1	11
42	Molecular, chemical and biological screening of soil actinomycete isolates in seeking bioactive peptide metabolites. <i>Iranian Journal of Microbiology</i> , 2015, 7, 23-30.	0.8	11
43	Novel enzyme-based electrochemical and colorimetric biosensors for tetracycline monitoring in milk. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 41-50.	1.4	10
44	Overproduction of Clavulanic Acid by UV Mutagenesis of <i>Streptomyces clavuligerus</i> . <i>Iranian Journal of Pharmaceutical Research</i> , 2010, 9, 177-81.	0.3	10
45	Increased erythromycin production by alginate as a medium ingredient or immobilization support in cultures of <i>Saccharopolyspora erythraea</i> . <i>Biotechnology Letters</i> , 2005, 27, 661-664.	1.1	9
46	Isolation and screening of proangiogenic and antiangiogenic metabolites producing rare actinobacteria from soil. <i>Journal of Applied Microbiology</i> , 2017, 122, 1595-1602.	1.4	9
47	The Role of Actinobacteria in Biotechnology. , 2017, , 269-328.		9
48	The inter-relationship between inoculum concentration, morphology, rheology and erythromycin productivity in submerged cultivation of <i>Saccharopolyspora erythraea</i> . <i>Brazilian Journal of Chemical Engineering</i> , 2011, 28, 565-574.	0.7	8
49	Inhibition of oxidative stress-induced amyloid $\beta$ formation in NT2 neurons by culture filtrate of a strain of <i>Streptomyces antibioticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1805-1811.	1.7	7
50	Removal of airborne hexavalent chromium using alginate as a biosorbent. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 237-244.	1.8	7
51	Simultaneous anti-diabetic and anti-vascular calcification activity of <i>Nocardia</i> sp. UTMC 751. <i>Letters in Applied Microbiology</i> , 2018, 66, 110-117.	1.0	7
52	Production of a cyanobacterium-based biodiesel by the heterogeneous biocatalyst of SBA-15@oleate@lipase. <i>Fuel</i> , 2020, 279, 118580.	3.4	7
53	Genome-scale exploration of transcriptional regulation in the nisin Z producer <i>Lactococcus lactis</i> subsp. <i>lactis</i> IO-1. <i>Scientific Reports</i> , 2020, 10, 3787.	1.6	7
54	<i>Saccharothrix ecbatanensis</i> sp. nov., an actinobacterium isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4544-4549.	0.8	7

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55	A bioactive foamed emulsion reactor for the treatment of benzene-contaminated air stream. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 219-226.	1.7	5
56	Adaptive Evolution of <i>Lactococcus Lactis</i> to Thermal and Oxidative Stress Increases Biomass and Nisin Production. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3425-3441.	1.4	5
57	Acidophilic and Acid Tolerant Actinobacteria as New Sources of Antimicrobial Agents against <i>Helicobacter Pylori</i> . <i>Archives of Razi Institute</i> , 2021, 76, 261-272.	0.4	5
58	Resistance monitoring of aluminum plates to microbiologically influenced corrosion using FFT impedance spectroscopy methods. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2006, 57, 538-542.	0.8	4
59	Protective Effects of Cryoprotectants and Lyoprotectants on the Survival of Persipeptide Producing <i>Streptomyces zagrosensis</i> UTMC 1154. <i>Biopreservation and Biobanking</i> , 2017, 15, 451-456.	0.5	4
60	Expressive Analysis of Gut Microbiota in Pre- and Post- Solid Organ Transplantation Using Bayesian Topic Models. <i>Lecture Notes in Computer Science</i> , 2020, , 150-165.	1.0	4
61	Design and performance of chromium mist generator. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 342-347.	0.6	3
62	Improvement of clavulanic acid production by <i>Streptomyces clavuligerus</i> with peanut derivatives. <i>Annals of Microbiology</i> , 2012, 62, 1227-1234.	1.1	3
63	Bacterial wilt of common bean ( <i>Phaseolus vulgaris</i> ) caused by <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> in Iran. <i>Australasian Plant Disease Notes</i> , 2015, 10, 1.	0.4	3
64	Screening of phytotoxic activity and nlp genes from rhizosphere actinomycetes. <i>Annals of Microbiology</i> , 2015, 65, 527-532.	1.1	3
65	Sequence-based analysis and prediction of lantibiotics: A machine learning approach. <i>Computational Biology and Chemistry</i> , 2018, 77, 199-206.	1.1	3
66	Effects of microbial volatile organic compounds on <i>Ganoderma lucidum</i> growth and ganoderic acids production in Co-v-cultures (volatile co-cultures). <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 286-297.	1.0	3
67	Biofertilizers: Microbes for Agricultural Productivity. <i>Sustainable Development and Biodiversity</i> , 2021, , 407-469.	1.4	3
68	Reconstruction and validation of genome-scale metabolic model of <i>L. lactis</i> subsp. <i>lactis</i> NCD0 2118 and in silico analysis for succinate and Gamma-aminobutyric acid overproduction. <i>Biochemical Engineering Journal</i> , 2021, 170, 107967.	1.8	3
69	Screening of soil actinomycetes against <i>Salmonella</i> serovar Typhi NCTC 5761 and characterization of the prominent active strains. <i>Iranian Journal of Microbiology</i> , 2013, 5, 356-65.	0.8	3
70	Overexpression of recombinant Nep1 in <i>Escherichia coli</i> and its use as a biological agent for control of <i>Sinapis arvensis</i> . <i>Annals of Microbiology</i> , 2013, 63, 669-675.	1.1	2
71	Production and Characterization of Biosurfactant by <i>Nocardia</i> Species Isolated Form Soil Samples in Tehran. <i>Tenside, Surfactants, Detergents</i> , 2021, 58, 74-80.	0.5	2
72	Evaluation of anti-biofilm potential of biosurfactant extracted from <i>Nocardia</i> species. <i>Folia Medica</i> , 2021, 63, 392-399.	0.2	2

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73	Genome sequence and annotation of <i>Streptomyces tendae</i> UTMC 3329, acid and alkaline tolerant actinobacterium. <i>Iranian Journal of Microbiology</i> , 2020, 12, 343-352.	0.8	2
74	Coexistence of Anticoagulant and Anti-vascular Calcification Activities in sp. UTMC 267 Metabolites. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 459-468.	0.3	2
75	Application of $\beta$ -lactamase-dependent prodrugs in clostridial-directed enzyme therapy (CDEPT): A proposal. <i>Medical Hypotheses</i> , 2006, 67, 998-999.	0.8	1
76	Molecular characterization and periplasmic expression of the <i>nlp</i> gene of <i>Streptomyces cyaneofuscatus</i> UTMC 2101 in <i>Escherichia coli</i> . <i>Annals of Microbiology</i> , 2015, 65, 2047-2052.	1.1	1
77	Alkaline Protease from <i>Nocardiopsis arvandica</i> UTMC 1492 Isolated from Saline Soil with the Ability to Produce Bioactive Protein Hydrolysate. <i>Industrial Biotechnology</i> , 2018, 14, 54-60.	0.5	1
78	Structural and functional evaluation of recombinant histidine phosphokinase NisK and response regulator NisR: in silico and experimental approach. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 169.	1.7	1
79	Fruit wrapping kraft coated paper promotes the isolation of actinobacteria using ex situ and in situ methods. <i>Folia Microbiologica</i> , 2021, 66, 1047-1054.	1.1	1
80	A cylinder-plate method for microbiological assay of clavulanic acid. <i>Pharmeuropa Scientific Notes</i> , 2006, 2006, 53-4.	0.1	1
81	Implementing Electric Potential Difference as a New Practical Parameter for Rapid and Specific Measurement of Minimum Inhibitory Concentration of Antibiotics. <i>Current Microbiology</i> , 2018, 75, 1290-1298.	1.0	0
82	Recovery of Persipeptides from Fermentation Broth by Enhanced Adsorption. <i>Iranian Journal of Biotechnology</i> , 2020, 18, e2231.	0.3	0