Hossein Ali Alikhani

List of Publications by Year
in descending order

64 papers	2,908 citations	201674 27 h-index	175258 52 g-index
64 all docs	64 docs citations	64 times ranked	2964 citing authors

#	Article	IF	Citations
1	Optimal Concentrations of Silicon Enhance the Growth of Soybean (Glycine Max L.) Cultivars by Improving Nodulation, Root System Architecture, and Soil Biological Properties. Silicon, 2022, 14, 5333-5345.	3.3	10
2	Effect of Different Enriched Vermicomposts, Humic Acid Extract and Indole-3-Acetic Acid Amendments on the Growth of Brassica napus. Plants, 2022, 11, 227.	3.5	8
3	Performance Evaluation of Phosphate-Solubilizing Fluorescent Pseudomonads in Minimizing Phosphorus Fertilizer Use and Improving Wheat Productivity: a Two-Year Field Study. Journal of Soil Science and Plant Nutrition, 2022, 22, 1224-1237.	3.4	4
4	Root nodulation of alfalfa by Ensifer meliloti in petroleum contaminated soil. Rhizosphere, 2021, 17, 100305.	3.0	6
5	Periphytic biofilm and rice rhizosphere phosphate-solubilizing bacteria and fungi: A possible use for activating occluded P in periphytic biofilms in paddy fields. Rhizosphere, 2021, 19, 100395.	3.0	20
6	Combined use of municipal solid waste biochar and bacterial biosorbent synergistically decreases Cd(II) and Pb(II) concentration in edible tissue of forage maize irrigated with heavy metalâ€“spiked water. Heliyon, 2020, 6, e04688.	3.2	16
7	Improved Phosphorus (P) Uptake and Yield of Rainfed Wheat Fed with P Fertilizer by Drought-Tolerant Phosphate-Solubilizing Fluorescent Pseudomonads Strains: a Field Study in Drylands. Journal of Soil Science and Plant Nutrition, 2020, 20, 2195-2211.	3.4	33
8	Consortium of endophyte and rhizosphere phosphate solubilizing bacteria improves phosphorous use efficiency in wheat cultivars in phosphorus deficient soils. Rhizosphere, 2020, 14, 100196.	3.0	59
9	Halotolerant Plant Growth-Promoting Fungi and Bacteria as an Alternative Strategy for Improving Nutrient Availability to Salinity-Stressed Crop Plants. , 2019, , 103-146.		17
10	Root bacterial endophytes as potential biological control agents against fungal rice pathogens. Archives of Phytopathology and Plant Protection, 2019, 52, 560-581.	1.3	11
11	Characterization of rhizosphere and endophytic bacteria from roots of maize (Zea mays L.) plant irrigated with wastewater with biotechnological potential in agriculture. Biotechnology Reports (Amsterdam, Netherlands), 2019, 21, e00305.	4.4	53
12	Effect of rhizospheric and endophytic bacteria with multiple plant growth promoting traits on wheat growth. Environmental Science and Pollution Research, 2019, 26, 19804-19813.	5.3	64
13	Assessment of the Potential of Indole-3-Acetic Acid Producing Bacteria to manage Chemical Fertilizers Application. International Journal of Environmental Research, 2019, 13, 603-611.	2.3	11
14	Improved growth and salinity tolerance of the halophyte Salicornia sp. by coâ€“inoculation with endophytic and rhizosphere bacteria. Applied Soil Ecology, 2019, 138, 160-170.	4.3	68
15	Vermicompost enriched with phosphateâ€“solubilizing bacteria provides plant with enough phosphorus in a sequential cropping under calcareous soil conditions. Journal of Cleaner Production, 2019, 221, 27-37.	9.3	50
16	Assessment of phthalic acid esters pollution in Anzali wetland, north of Iran. International Journal of Environmental Science and Technology, 2019, 16, 7025-7036.	3.5	14
17	Improvement of growth and yield of maize under water stress by co-inoculating an arbuscular mycorrhizal fungus and a plant growth promoting rhizobacterium together with phosphate fertilizers. Agriculture, Ecosystems and Environment, 2018, 258, 59-70.	5.3	101
18	The potential contribution of siderophore producing bacteria on growth and Fe ion concentration of sunflower (Helianthus annuusL.) under water stress. Journal of Plant Nutrition, 2018, 41, 619-626.	1.9	26

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19	Effect of different biochars amendment on soil biological indicators in a calcareous soil. Environmental Science and Pollution Research, 2018, 25, 14752-14761.	5.3	23
20	Indole-3-Acetic Acid and 1-Aminocyclopropane-1-Carboxylate Deaminase-Producing Bacteria Alleviate Sodium Stress and Promote Wheat Growth. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1037-1048.	1.5	4
21	Bacillus species as the most promising bacterial biocontrol agents in rhizosphere and endorhiza of plants grown in rotation with each other. European Journal of Plant Pathology, 2018, 150, 497-506.	1.7	22
22	Geochemical fractions and phytoavailability of Zinc in a contaminated calcareous soil affected by biotic and abiotic amendments. Environmental Geochemistry and Health, 2018, 40, 1221-1235.	3.4	34
23	Root-induced changes of Zn and Pb dynamics in the rhizosphere of sunflower with different plant growth promoting treatments in a heavily contaminated soil. Ecotoxicology and Environmental Safety, 2018, 147, 206-216.	6.0	69
24	Bioleaching of heavy metals from sewage sludge, direct action of Acidithiobacillus ferrooxidans or only the impact of pH?. Journal of Material Cycles and Waste Management, 2018, 20, 1179-1187.	3.0	22
25	Improved growth and nutrient acquisition of wheat genotypes in phosphorus deficient soils by plant growth-promoting rhizospheric and endophytic bacteria. Soil Science and Plant Nutrition, 2018, 64, 719-727.	1.9	29
26	Evaluation of Gram-positive rhizosphere and endophytic bacteria for biological control of fungal rice (Oryzia sativa L.) pathogens. European Journal of Plant Pathology, 2017, 147, 7-14.	1.7	38
27	Interaction study of biochar with phosphate-solubilizing bacterium on phosphorus availability in calcareous soil. Archives of Agronomy and Soil Science, 2017, 63, 1572-1581.	2.6	20
28	Biodiversity of Isolated Cyanobacteria from Desert Soils in Iran. Geomicrobiology Journal, 2017, 34, 784-794.	2.0	9
29	The Use of Coal Gangue as a Cultivation Bed Conditioner in Forage Maize Inoculated with Arbuscular Mycorrhizal Fungi. Communications in Soil Science and Plant Analysis, 2017, 48, 1266-1279.	1.4	15
30	Effects of two new siderophore-producing rhizobacteria on growth and iron content of maize and canola plants. Journal of Plant Nutrition, 2017, 40, 736-746.	1.9	68
31	Enriching Vermicompost Using P-solubilizing and N-fixing Bacteria under Different Temperature Conditions. Communications in Soil Science and Plant Analysis, 2017, 48, 139-147.	1.4	13
32	Isolated bacteria from salineâ€“sodic soils alter the response of wheat under high adsorbed sodium and salt stress. International Journal of Environmental Science and Technology, 2017, 14, 143-150.	3.5	10
33	Potassium solubilizing bacteria (KSB):: Mechanisms, promotion of plant growth, and future prospects Â- A review. Journal of Soil Science and Plant Nutrition, 2017, 17, 897-911.	3.4	315
34	Co-inoculation with endophytic and rhizosphere bacteria allows reduced application rates of N-fertilizer for rice plant. Rhizosphere, 2016, 2, 5-12.	3.0	68
35	Study the Effects of Siderophore-Producing Bacteria on Zinc and Phosphorous Nutrition of Canola and Maize Plants. Communications in Soil Science and Plant Analysis, 2016, 47, 1517-1527.	1.4	16
36	Vermiwash allows reduced application rates of acaricide azocyclotin for the control of two spotted spider mite, Tetranychus urticae Koch, on bean plant (Phaseolus vulgaris L.). Ecological Engineering, 2016, 93, 234-241.	3.6	21

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37	Rhizosphere and endorhiza of oilseed rape (Brassica napus L.) plant harbor bacteria with multifaceted beneficial effects. Biological Control, 2016, 94, 11-24.	3.0	57
38	Suppression of the fungal pathogenMagnaporthe griseabyStenotrophomonas maltophilia, a seed-borne rice (Oryza sativaL.) endophytic bacterium. Archives of Agronomy and Soil Science, 2016, 62, 1271-1284.	2.6	19
39	THE DIVERSITY OF SULFUR-OXIDIZING BACTERIAL POPULATIONS AT AN IRANIAN COPPER MINE AND THE SURROUNDING AGRICULTURAL SOILS. Applied Ecology and Environmental Research, 2016, 14, 509-533.	0.5	6
40	Indole-3-acetic acid (IAA) producing Pseudomonas isolates inhibit seed germination and Î±-amylase activity in durum wheat (Triticum turgidum L.). Spanish Journal of Agricultural Research, 2016, 14, e0802.	0.6	25
41	Indole-3-acetic acid (IAA) production trait, a useful screening to select endophytic and rhizosphere competent bacteria for rice growth promoting agents. MethodsX, 2015, 2, 72-78.	1.6	193
42	Indole-3-Acetic Acid and 1-Aminocyclopropane-1-Carboxylate Deaminase: Bacterial Traits Required in Rhizosphere, Rhizoplane and/or Endophytic Competence by Beneficial Bacteria. Sustainable Development and Biodiversity, 2015, , 183-258.	1.7	52
43	In planta selection of plant growth promoting endophytic bacteria for rice (Oryza sativa L.). Journal of Soil Science and Plant Nutrition, 2014, , 0-0.	3.4	28
44	Bacterial biosynthesis of 1-aminocyclopropane-1-caboxylate (ACC) deaminase, a useful trait to elongation and endophytic colonization of the roots of rice under constant flooded conditions. Physiology and Molecular Biology of Plants, 2014, 20, 425-434.	3.1	83
45	Bacterial Biosynthesis of 1-Aminocyclopropane-1-Carboxylate (ACC) Deaminase and Indole-3-Acetic Acid (IAA) as Endophytic Preferential Selection Traits by Rice Plant Seedlings. Journal of Plant Growth Regulation, 2014, 33, 654-670.	5.1	88
46	Colonization and Biodegradation of â€‰Photo-Oxidized Low-Density Polyethylene (LDPE) by New Strains ofAspergillussp. andLysinibacillussp.. Bioremediation Journal, 2014, 18, 213-226.	2.0	15
47	Interactive effect of nitrogen fertilizer and hydrocarbon pollution on soil biological indicators. Environmental Earth Sciences, 2014, 72, 3513-3519.	2.7	11
48	Isolation, Cloning and Sequence Analysis of 1-Aminocyclopropane-1-Carboxylate Deaminase Gene from Native Sinorhizobium meliloti. Iranian Journal of Biotechnology, 2014, 12, 50-56.	0.3	5
49	Biodegradation of Low-Density Polyethylene (LDPE) by Mixed Culture of Lysinibacillus xylanilyticus and Aspergillus niger in Soil. PLoS ONE, 2013, 8, e71720.	2.5	225
50	Bioremediation of Cadmium-Contaminated Soil through Cultivation of Maize Inoculated with Plant Growthâ€“Promoting Rhizobacteria. Bioremediation Journal, 2012, 16, 204-211.	2.0	28
51	Identification and determination of extracellular phytate-degrading activity in actinomycetes. World Journal of Microbiology and Biotechnology, 2012, 28, 2601-2608.	3.6	28
52	Impact of Poultry Manure Application on Phosphorus Desorption in Some Calcareous Soils. Communications in Soil Science and Plant Analysis, 2011, 42, 208-219.	1.4	5
53	Biodegradation pathway and detoxification of the diazo dye Reactive Black 5 by Phanerochaete chrysosporium. Bioresource Technology, 2011, 102, 10359-10362.	9.6	70
54	Wheat (Triticum aestivum L.) growth enhancement by Azospirillum sp. under drought stress. World Journal of Microbiology and Biotechnology, 2011, 27, 197-205.	3.6	226

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55	Comparison of Compost and Vermicompost of Yard Leaf Manure and Inorganic Fertilizer on Yield of Corn. Communications in Soil Science and Plant Analysis, 2011, 42, 123-131.	1.4	15
56	Influence of arbuscular mycorrhizal fungi and an improving growth bacterium on Cd uptake and maize growth in Cd-polluted soils. Spanish Journal of Agricultural Research, 2011, 9, 1213.	0.6	20
57	Decolouration of azo dyes by Phanerochaete chrysosporium immobilised into alginate beads. Environmental Science and Pollution Research, 2010, 17, 145-153.	5.3	52
58	Simultaneous production of laccase and decolouration of the diazo dye Reactive Black 5 in a fixed-bed bioreactor. Journal of Hazardous Materials, 2009, 164, 296-300.	12.4	46
59	Assessment of the joint effect of laccase and cellobiose dehydrogenase on the decolouration of different synthetic dyes. Journal of Hazardous Materials, 2009, 169, 176-181.	12.4	32
60	In vitro Growth of Wheat (Triticum aestivum L.) Seedlings, Inoculated with Azospirillum sp., Under Drought Stress. International Journal of Botany, 2009, 5, 244-249.	0.2	21
61	Responses of Lentil to Co-Inoculation with Phosphate-Solubilizing Rhizobial Strains and Arbuscular Mycorrhizal Fungi. Journal of Plant Nutrition, 2006, 29, 1509-1522.	1.9	36
62	Phosphate solubilization activity of rhizobia native to Iranian soils. Plant and Soil, 2006, 287, 35-41.	3.7	149
63	Presence of Eisenia fetida enhanced phytoremediation of anthracene by Lolium perenne. Bioscience Journal, 0, , 888-898.	0.4	6
64	Presence of Eisenia fetida enhanced phytoremediation of anthracene by Lolium perenne. Bioscience Journal, 0, , 888-898.	0.4	0