Mohamed Hemida Abd-Alla

List of Publications by Year
in descending order

73 papers	1,896 citations	257101 24 h-index	288905 40 g-index
75 all docs	75 docs citations	75 times ranked	2064 citing authors

#	Article	IF	Citations
1	Synergistic interaction of Rhizobium leguminosarum bv. viciae and arbuscular mycorrhizal fungi as a plant growth promoting biofertilizers for faba bean (Vicia faba L.) in alkaline soil. Microbiological Research, 2014, 169, 49-58.	2.5	148
2	Production of acetone-butanol-ethanol from spoilage date palm (Phoenix dactylifera L.) fruits by mixed culture of Clostridium acetobutylicum and Bacillus subtilis. Biomass and Bioenergy, 2012, 42, 172-178.	2.9	111
3	The impact of pesticides on arbuscular mycorrhizal and nitrogen-fixing symbioses in legumes. Applied Soil Ecology, 2000, 14, 191-200.	2.1	98
4	Assessment of silver nanoparticles contamination on faba bean-Rhizobium leguminosarum bv. viciae-Glomus aggregatum symbiosis: Implications for induction of autophagy process in root nodule. Agriculture, Ecosystems and Environment, 2016, 218, 163-177.	2.5	91
5	Phosphatases and the utilization of organic phosphorus by Rhizobium leguminosarum biovar viceae. Letters in Applied Microbiology, 1994, 18, 294-296.	1.0	78
6	Use of organic phosphorus byRhizobium leguminosarum biovarviceae phosphatases. Biology and Fertility of Soils, 1994, 18, 216-218.	2.3	77
7	Isolation and characterization of a heavy-metal-resistant isolate of Rhizobium leguminosarum bv. viciae potentially applicable for biosorption of Cd2+ and Co2+. International Biodeterioration and Biodegradation, 2012, 67, 48-55.	1.9	65
8	Genotypic Differences in Dinitrogen Fixation Response to NaCl Stress in Intact and Grafted Soybean. Crop Science, 1998, 38, 72-77.	0.8	62
9	Growth and enzyme activities of fungi and bacteria in soil salinized with sodium chloride. Folia Microbiologica, 1994, 39, 23-28.	1.1	55
10	Two stage biodiesel and hydrogen production from molasses by oleaginous fungi and Clostridium acetobutylicum ATCC 824. International Journal of Hydrogen Energy, 2014, 39, 3185-3197.	3.8	53
11	Solubilization of rock phosphates byRhizobium andBradyrhizobium. Folia Microbiologica, 1994, 39, 53-56.	1.1	49
12	Hydrogen production from rotten dates by sequential three stages fermentation. International Journal of Hydrogen Energy, 2011, 36, 13518-13527.	3.8	47
13	SURVIVAL OF RHIZOBIA/BRADYRHIZOBIA AND A ROCK-PHOSPHATE-SOLUBILIZING FUNGUSASPERGILLUS NIGERON VARIOUS CARRIERS FROM SOME AGRO-INDUSTRIAL WASTES AND THEIR EFFECTS ON NODULATION AND GROWTH OF FABA BEAN AND SOYBEAN. Journal of Plant Nutrition, 2001, 24, 261-272.	0.9	45
14	Green Synthesis of Silver Nanoparticles by Water Soluble Fraction of the Extracellular Polysaccharides/Matrix of the Cyanobacterium Nostoc Commune and its Application as a Potent Fungal Surface Sterilizing Agent of Seed Crops. Universal Journal of Microbiology Research, 2014, 2, 36-43.	0.3	45
15	Mitigation of effect of salt stress on the nodulation, nitrogen fixation and growth of chickpea (Cicer) Tj ETQq1 1 0.784314 rgBT /Over	1.4	42
16	Biocontrol of fungal root rot diseases of crop plants by the use of rhizobia and bradyrhizobia. Folia Microbiologica, 1998, 43, 431-437.	1.1	38
17	Root-hair infection and nodulation of four grain legumes as affected by the form and the application time of nitrogen fertilizer. Folia Microbiologica, 1996, 41, 303-308.	1.1	32
18	The role of potassium fertilizer in nodulation and nitrogen fixation of faba bean (Vicia faba L.) plants under drought stress. Biology and Fertility of Soils, 1995, 20, 147-150.	2.3	31

#	Article	IF	Citations
19	Functional structure of the indeterminate Vicia faba L. root nodule: implications for metabolite transport. Journal of Plant Physiology, 2000, 157, 335-343.	1.6	31
20	Physiological aspects of fungi isolated from root nodules of faba bean (Vicia faba L.). Microbiological Research, 2000, 154, 339-347.	2.5	30
21	Alleviation of the toxicity of oily wastewater to canola plants by the N2-fixing, aromatic hydrocarbon biodegrading bacterium Stenotrophomonas maltophilia-SR1. Applied Soil Ecology, 2020, 154, 103654.	2.1	30
22	Nodulation and nitrogen fixation in interspecies grafts of soybean and common bean is controlled by isoflavonoid signal molecules translocated from shoot. Plant, Soil and Environment, 2011, 57, 453-458.	1.0	25
23	Acetoneâ€“butanolâ€“ethanol production from substandard and surplus dates by Egyptian native Clostridium strains. Anaerobe, 2015, 32, 77-86.	1.0	25
24	Production of biofuel from sugarcane molasses by diazotrophic Bacillus and recycle of spent bacterial biomass as biofertilizer inoculants for oil crops. Biocatalysis and Agricultural Biotechnology, 2019, 19, 101112.	1.5	25
25	Enhancement of biohydrogen production from sustainable orange peel wastes usingEnterobacterspecies isolated from domestic wastewater. International Journal of Energy Research, 2019, 43, 391-404.	2.2	25
26	Hypernodulation of Soybean, Mung Bean, and Hyacinth Bean Is Controlled by a Common Shoot Signal. Crop Science, 1997, 37, 1242-1246.	0.8	23
27	In situ hydrogen, acetone, butanol, ethanol and microdiesel production by Clostridium acetobutylicum ATCC 824 from oleaginous fungal biomass. Anaerobe, 2015, 34, 125-131.	1.0	23
28	Phosphodiesterase and phosphotriesterase in Rhizobium and Bradyrhizobium strains and their roles in the degradation of organophosphorus pesticides. Letters in Applied Microbiology, 1994, 19, 240-243.	1.0	22
29	Nitrogen Fixing Cyanobacteria: Future Prospect. , 2014, , .		22
30	Activation of Rhizobium tibeticum With Flavonoids Enhances Nodulation, Nitrogen Fixation, and Growth of Fenugreek (Trigonella foenum-graecum L.) Grown in Cobalt-Polluted Soil. Archives of Environmental Contamination and Toxicology, 2014, 66, 303-315.	2.1	21
31	Response of nitrogen fixation, nodule activities, and growth to potassium supply in waterâ€stressed broad bean. Journal of Plant Nutrition, 1995, 18, 1391-1402.	0.9	20
32	Growth and siderophore production in vitro of Bradyrhizobium (Lupin) strains under iron limitation. European Journal of Soil Biology, 1998, 34, 99-104.	1.4	20
33	Production of butanol and polyhydroxyalkanoate from industrial waste byClostridium beijerinckiiASU10. International Journal of Energy Research, 2019, 43, 3640-3652.	2.2	20
34	Alleviating the inhibitory effect of salinity stress on nod gene expression in Rhizobium tibeticum â€“ fenugreek (Trigonella foenum graecum) symbiosis by isoflavonoids treatment. Journal of Plant Interactions, 2014, 9, 275-284.	1.0	18
35	Enhancement of biodiesel, hydrogen and methane generation from molasses by Cunninghamella echinulata and anaerobic bacteria through sequential three-stage fermentation. Energy, 2014, 78, 543-554.	4.5	18
36	Conversion of food processing wastes to biofuel using clostridia. Anaerobe, 2017, 48, 135-143.	1.0	17

#	Article	IF	Citations
37	Wheat straw and cellulolytic fungi application increases nodulation, nodule efficiency and growth of fenugreek (Trigonella foenum-graceum L.) grown in saline soil. Biology and Fertility of Soils, 1997, 26, 58-65.	2.3	16
38	Impact of Harsh Environmental Conditions on Nodule Formation and Dinitrogen Fixation of Legumes. , 0, , .		15
39	Improvement of fungal lipids esterification process by bacterial lipase for biodiesel synthesis. Fuel, 2015, 160, 196-204.	3.4	15
40	Effectiveness of eco-friendly arbuscular mycorrhizal fungi biofertilizer and bacterial feather hydrolysate in promoting growth of Vicia faba in sandy soil. Biocatalysis and Agricultural Biotechnology, 2018, 16, 140-147.	1.5	15
41	Effect of pesticides on growth, respiration and nitrogenase activity ofAzotobacter andAzospirillum. World Journal of Microbiology and Biotechnology, 1992, 8, 326-328.	1.7	14
42	Title is missing!. Plant Growth Regulation, 2001, 34, 241-250.	1.8	14
43	First report of soft rot of onion bulbs in storage caused byPseudomonas aeruginosain Egypt. Journal of Plant Interactions, 2011, 6, 229-238.	1.0	14
44	Characterization of anodic biofilm bacterial communities and performance evaluation of a mediator-free microbial fuel cell. Environmental Engineering Research, 2020, 25, 862-870.	1.5	14
45	Nodulation and nitrogen fixation of Lupinus species with Bradyrhizobium (lupin) strains in iron-deficient soil. Biology and Fertility of Soils, 1999, 28, 407-415.	2.3	12
46	Rhizobium tibeticum activated with a mixture of flavonoids alleviates nickel toxicity in symbiosis with fenugreek (Trigonella foenum graecum L.). Ecotoxicology, 2014, 23, 946-959.	1.1	12
47	Bradyrhizobium strains and the nodulation, nodule efficiency and growth of soybean (Glycine max L.) in Egyptian soils. World Journal of Microbiology and Biotechnology, 1992, 8, 593-597.	1.7	11
48	Natural occurrence of mycotoxins in broad bean (Vicia faba L.) Seeds and their effect on Rhizobium-legume symbiosis. Soil Biology and Biochemistry, 1994, 26, 1081-1085.	4.2	11
49	Bacterial wilt and spot of tomato caused by Xanthomonas vesicatoria and Ralstonia solanacearum in Egypt. World Journal of Microbiology and Biotechnology, 2008, 24, 291-292.	1.7	11
50	Survival ofRhizobium leguminosarum biovarviceae subjected to heat, drought and salinity in soil. Biologia Plantarum, 1995, 37, 131-137.	1.9	10
51	Improvement of medium components for high riboflavin production by Aspergillus terreus using response surface methodology. Rendiconti Lincei, 2015, 26, 335-344.	1.0	10
52	Enhancement of exopolysaccharide production by Stenotrophomonas maltophilia and Brevibacillus parabrevis isolated from root nodules of Cicer arietinum L. and Vigna unguiculata L. (Walp.) plants. Rendiconti Lincei, 2018, 29, 117-129.	1.0	10
53	The role of cellulose-decomposing fungi in nitrogenase activity ofAzotobacter chroococcum. Folia Microbiologica, 1992, 37, 215-218.	1.1	9
54	Effects of an organophosphorus insecticide on the growth and cellulolytic activity of fungi. International Biodeterioration and Biodegradation, 1993, 31, 305-310.	1.9	9

#	Article	IF	Citations
55	Herbicides Effects an Nodulation, Growth and Nitrogen Yield of Faba Bean Induced by Indigenous Rhizobium leguminosarum. Zentralblatt FÃ¼r Mikrobiologie, 1993, 148, 593-597.	0.2	9
56	Hydrochemical and bacteriological analyses of groundwater and its suitability for drinking and agricultural uses at Manfalut District, Assuit, Egypt. Arabian Journal of Geosciences, 2014, 7, 4593-4613.	0.6	9
57	Fungi-induced paint deterioration and air contamination in the Assiut University hospital, Egypt. Indoor and Built Environment, 2019, 28, 384-400.	1.5	9
58	Enhancement of faba bean nodulation, nitrogen fixation and growth by different microorganisms. Biologia Plantarum, 1994, 36, 295-300.	1.9	8
59	Isolation and characterization of Serratia rubidaea from dark brown spots of tomato fruits. Phytoparasitica, 2011, 39, 175-183.	0.6	8
60	Biosynthesis of L-Glutaminase by Streptomyces Variabilis ASU319 Isolated from Rhizosphere of Triticum Vulgaris. Universal Journal of Microbiology Research, 2013, 1, 27-35.	0.3	7
61	Effect of biological treatments on growth and some metabolic activities of barley plants grown in saline soil. Microbiological Research, 1994, 149, 317-320.	2.5	6
62	Occurrence of Xanthomonas axonopodis pv. phaseoli, the causal agent of common bacterial blight disease, on seeds of common bean (Phaseolus vulgaris L.) in upper Egypt. Folia Microbiologica, 2010, 55, 47-52.	1.1	6
63	Suitability of some local agro-industrial wastes as carrier materials for cyanobacterial inoculant. Folia Microbiologica, 1994, 39, 576-578.	1.1	5
64	Utilization of some phenolic compounds byAzotobacter chroococcum and their effect on growth and nitrogenase activity. Folia Microbiologica, 1994, 39, 57-60.	1.1	4
65	Title is missing!. World Journal of Microbiology and Biotechnology, 1999, 15, 715-722.	1.7	4
66	Acetylene reduction by Rhodospirillaceae from the Aswan High Dam Lake. World Journal of Microbiology and Biotechnology, 1992, 8, 151-154.	1.7	3
67	Natural occurrence of mycotoxins in broad bean (Vicia faba l.) seeds and their effect onRhizobium-legume symbiosis. Journal of Basic Microbiology, 1994, 34, 97-103.	1.8	3
68	Effect of form and level of applied nitrogen on nitrogenase and nitrate reductase activities in faba beans. Biologia Plantarum, 1995, 37, 57.	1.9	3
69	Biodegradation of plant wastes to sugars and protein by microorganisms. Folia Microbiologica, 1994, 39, 222-224.	1.1	1
70	Nodulation and nitrogen fixation of faba bean plants as influenced by the inoculation method of Rhizobium leguminosarum biovar viceae strain RCR 1001. Microbiological Research, 1994, 149, 65-68.	2.5	1
71	Effect ofLupinus seed diffusates onBradyrhizobium sp. growth and nodulation of lupine. Folia Microbiologica, 1998, 43, 182-186.	1.1	1
72	Using fermentation waste of ethanolâ€producing yeast for bacterial riboflavin production and recycling of spent bacterial mass for enhancing the growth of oily plants. Journal of Applied Microbiology, 2021, , .	1.4	1

#	Article	IF	Citations
73	Protease-producing microorganisms inhabiting salted fish (Moloha) with special reference to protease activity of Bacillus subtilis. Acta Societatis Botanicorum Poloniae, 2014, 63, 303-307.	0.8	1