

Saad El-Din Hassan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,745
citations

159525

30
h-index

197736

49
g-index

51
all docs

51
docs citations

51
times ranked

2428
citing authors

#	ARTICLE	IF	CITATIONS
1	Endophytic actinomycetes <i>Streptomyces</i> spp mediated biosynthesis of copper oxide nanoparticles as a promising tool for biotechnological applications. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 377-393.	1.1	236
2	In-Vitro cytotoxicity, antibacterial, and UV protection properties of the biosynthesized Zinc oxide nanoparticles for medical textile applications. <i>Microbial Pathogenesis</i> , 2018, 125, 252-261.	1.3	213
3	Plant growth-promoting activities for bacterial and fungal endophytes isolated from medicinal plant of <i>Teucrium polium</i> L.. <i>Journal of Advanced Research</i> , 2017, 8, 687-695.	4.4	211
4	Linkage between bacterial and fungal rhizosphere communities in hydrocarbon-contaminated soils is related to plant phylogeny. <i>ISME Journal</i> , 2014, 8, 331-343.	4.4	190
5	Fungal strain impacts the shape, bioactivity and multifunctional properties of green synthesized zinc oxide nanoparticles. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101103.	1.5	173
6	Biotechnological applications of fungal endophytes associated with medicinal plant <i>Asclepias sinaica</i> (Bloss.). <i>Annals of Agricultural Sciences</i> , 2015, 60, 95-104.	1.1	171
7	New approach for antimicrobial activity and bio-control of various pathogens by biosynthesized copper nanoparticles using endophytic actinomycetes. <i>Journal of Radiation Research and Applied Sciences</i> , 2018, 11, 262-270.	0.7	149
8	Bactericidal and In-Vitro Cytotoxic Efficacy of Silver Nanoparticles (Ag-NPs) Fabricated by Endophytic Actinomycetes and Their Use as Coating for the Textile Fabrics. <i>Nanomaterials</i> , 2020, 10, 2082.	1.9	148
9	Photocatalytic degradation of real textile and tannery effluent using biosynthesized magnesium oxide nanoparticles (MgO-NPs), heavy metal adsorption, phytotoxicity, and antimicrobial activity. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105346.	3.3	144
10	Antimicrobial, Antioxidant and Larvicidal Activities of Spherical Silver Nanoparticles Synthesized by Endophytic <i>Streptomyces</i> spp.. <i>Biological Trace Element Research</i> , 2020, 195, 707-724.	1.9	125
11	Effect of arbuscular mycorrhizal fungi on trace metal uptake by sunflower plants grown on cadmium contaminated soil. <i>New Biotechnology</i> , 2013, 30, 780-787.	2.4	124
12	Endophytic <i>Streptomyces laurentii</i> Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties. <i>Antibiotics</i> , 2020, 9, 641.	1.5	120
13	Molecular biodiversity of arbuscular mycorrhizal fungi in trace metal-polluted soils. <i>Molecular Ecology</i> , 2011, 20, 3469-3483.	2.0	106
14	Isolation and Characterization of Plant Growth Promoting Endophytic Bacteria from Desert Plants and Their Application as Bioinoculants for Sustainable Agriculture. <i>Agronomy</i> , 2020, 10, 1325.	1.3	105
15	Multifunctional properties of spherical silver nanoparticles fabricated by different microbial taxa. <i>Heliyon</i> , 2020, 6, e03943.	1.4	104
16	Harnessing Bacterial Endophytes for Promotion of Plant Growth and Biotechnological Applications: An Overview. <i>Plants</i> , 2021, 10, 935.	1.6	100
17	<i>Rhizopus oryzae</i> -Mediated Green Synthesis of Magnesium Oxide Nanoparticles (MgO-NPs): A Promising Tool for Antimicrobial, Mosquitocidal Action, and Tanning Effluent Treatment. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 372.	1.5	100
18	Eco-friendly approach utilizing green synthesized nanoparticles for paper conservation against microbes involved in biodeterioration of archaeological manuscript. <i>International Biodeterioration and Biodegradation</i> , 2019, 142, 160-169.	1.9	96

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19	An eco-friendly approach to textile and tannery wastewater treatment using maghemite nanoparticles (Fe_3O_4 -NPs) fabricated by <i>Penicillium expansum</i> strain (K-w). <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104693.	3.3	92
20	The Catalytic Activity of Biosynthesized Magnesium Oxide Nanoparticles (MgO-NPs) for Inhibiting the Growth of Pathogenic Microbes, Tanning Effluent Treatment, and Chromium Ion Removal. <i>Catalysts</i> , 2021, 11, 821.	1.6	88
21	Isolation and Characterization of Fungal Endophytes Isolated from Medicinal Plant <i>Ephedra pachyclada</i> as Plant Growth-Promoting. <i>Biomolecules</i> , 2021, 11, 140.	1.8	87
22	Catalytic degradation of wastewater from the textile and tannery industries by green synthesized hematite (Fe_3O_4) and magnesium oxide (MgO) nanoparticles. <i>Current Research in Biotechnology</i> , 2021, 3, 29-41.	1.9	85
23	Plant Growth-Promoting Endophytic Bacterial Community Inhabiting the Leaves of <i>Pulicaria incisa</i> (Lam.) DC Inherent to Arid Regions. <i>Plants</i> , 2021, 10, 76.	1.6	76
24	Comparative Study between Exogenously Applied Plant Growth Hormones versus Metabolites of Microbial Endophytes as Plant Growth-Promoting for <i>Phaseolus vulgaris</i> L.. <i>Cells</i> , 2021, 10, 1059.	1.8	61
25	Enhanced Antimicrobial, Cytotoxicity, Larvicidal, and Repellence Activities of Brown Algae, <i>Cystoseira crinita</i> -Mediated Green Synthesis of Magnesium Oxide Nanoparticles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 849921.	2.0	59
26	An Eco-Friendly Approach to the Control of Pathogenic Microbes and <i>Anopheles stephensi</i> Malarial Vector Using Magnesium Oxide Nanoparticles (Mg-NPs) Fabricated by <i>Penicillium chrysogenum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5096.	1.8	54
27	Contrasting the Community Structure of Arbuscular Mycorrhizal Fungi from Hydrocarbon-Contaminated and Uncontaminated Soils following Willow (<i>Salix</i> spp. L.) Planting. <i>PLoS ONE</i> , 2014, 9, e102838.	1.1	50
28	Light enhanced the antimicrobial, anticancer, and catalytic activities of selenium nanoparticles fabricated by endophytic fungal strain, <i>Penicillium crustosum</i> EP-1. <i>Scientific Reports</i> , 2022, 12, .	1.6	46
29	Role of Endophytes in Plant Health and Abiotic Stress Management. , 2019, , 119-144.		42
30	High Improvement in Lactic Acid Productivity by New Alkaliphilic Bacterium Using Repeated Batch Fermentation Integrated with Increased Substrate Concentration. <i>BioMed Research International</i> , 2019, 2019, 1-13.	0.9	35
31	Enhancing of cotton fabric antibacterial properties by silver nanoparticles synthesized by new Egyptian strain <i>Fusarium keratoplasticum</i> A1-3.. <i>Egyptian Journal of Chemistry</i> , 2017, 60, 4-7.	0.1	34
32	Biotechnological application of plant growth-promoting endophytic bacteria isolated from halophytic plants to ameliorate salinity tolerance of <i>Vicia faba</i> L.. <i>Plant Biotechnology Reports</i> , 2021, 15, 819-843.	0.9	34
33	Phyco-Synthesized Zinc Oxide Nanoparticles Using Marine Macroalgae, <i>Ulva fasciata</i> Delile, Characterization, Antibacterial Activity, Photocatalysis, and Tanning Wastewater Treatment. <i>Catalysts</i> , 2022, 12, 756.	1.6	32
34	One-factor-at-a-time and response surface statistical designs for improved lactic acid production from beet molasses by <i>Enterococcus hirae</i> ds10. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	30
35	Effective biorefinery approach for lactic acid production based on co-fermentation of mixed organic wastes by <i>Enterococcus durans</i> BP130. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101203.	1.5	27
36	Plant growth-promoting properties of bacterial endophytes isolated from roots of <i>Thymus vulgaris</i> L. and investigate their role as biofertilizers to enhance the essential oil contents. <i>Biomolecular Concepts</i> , 2021, 12, 175-196.	1.0	22

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37	Free-nutrient supply and thermo-alkaline conditions for direct lactic acid production from mixed lignocellulosic and food waste materials. <i>Bioresource Technology Reports</i> , 2019, 7, 100256.	1.5	21
38	Impact of 12-year field treatments with organic and inorganic fertilizers on crop productivity and mycorrhizal community structure. <i>Biology and Fertility of Soils</i> , 2013, 49, 1109-1121.	2.3	18
39	Evaluating the Effect of Lignocellulose-Derived Microbial Inhibitors on the Growth and Lactic Acid Production by <i>Bacillus coagulans</i> Azu-10. <i>Fermentation</i> , 2021, 7, 17.	1.4	16
40	Implication of plant growth-promoting rhizobacteria of <i>Bacillus</i> spp. as biocontrol agents against wilt disease caused by <i>Fusarium oxysporum</i> Schlecht. in <i>Vicia faba</i> L. <i>Biomolecular Concepts</i> , 2021, 12, 197-214.	1.0	16
41	Pomegranate peel and moringa-based diets enhanced biochemical and immune parameters of Nile tilapia against bacterial infection by <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2020, 145, 104202.	1.3	15
42	Sequential optimization of the fermentation factors with integrating seed culture adaptation for increased biorefinery of beet molasses to lactic acid. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1013-1028.	2.9	14
43	The Interaction Between Plants and Bacterial Endophytes Under Salinity Stress. <i>Reference Series in Phytochemistry</i> , 2019, , 591-607.	0.2	13
44	Efficient Co-Utilization of Biomass-Derived Mixed Sugars for Lactic Acid Production by <i>Bacillus coagulans</i> Azu-10. <i>Fermentation</i> , 2021, 7, 28.	1.4	13
45	Evaluate the Toxicity of Pyrethroid Insecticide Cypermethrin before and after Biodegradation by <i>Lysinibacillus cresolivorans</i> Strain HIS7. <i>Plants</i> , 2021, 10, 1903.	1.6	13
46	The Interaction Between Plants and Bacterial Endophytes Under Salinity Stress. <i>Reference Series in Phytochemistry</i> , 2019, , 1-17.	0.2	9
47	Benign Production of AgNPs/Bacterial Nanocellulose for Wound Healing Dress: Antioxidant, Cytotoxicity and In Vitro Studies. <i>Journal of Cluster Science</i> , 2022, 33, 2735-2751.	1.7	9
48	Efficient biorefinery process for lactic acid production from date wastes with alleviating substrate inhibition effect using thermo-alkaline repeated batch fermentation. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1053-1066.	2.9	8
49	Subsequent improvement of lactic acid production from beet molasses by <i>Enterococcus hirae</i> ds10 using different fermentation strategies. <i>Bioresource Technology Reports</i> , 2021, 13, 100617.	1.5	7
50	Production enhancement of bacterial cellulose nanofiber using local <i>Komagataeibacter xylinus</i> SB3.1 under static conditions. <i>Egyptian Journal of Chemistry</i> , 2021, .	0.1	4