Amr Fouda

List of Publications by Year
in descending order

67 papers	5,139 citations	81839 39 h-index	106281 65 g-index
68 all docs	68 docs citations	68 times ranked	2429 citing authors

#	Article	IF	Citations
1	Green Synthesis of Metallic Nanoparticles and Their Prospective Biotechnological Applications: an Overview. Biological Trace Element Research, 2021, 199, 344-370.	1.9	606
2	Endophytic actinomycetes Streptomyces spp mediated biosynthesis of copper oxide nanoparticles as a promising tool for biotechnological applications. Journal of Biological Inorganic Chemistry, 2019, 24, 377-393.	1.1	236
3	In-Vitro cytotoxicity, antibacterial, and UV protection properties of the biosynthesized Zinc oxide nanoparticles for medical textile applications. Microbial Pathogenesis, 2018, 125, 252-261.	1.3	213
4	Fungal strain impacts the shape, bioactivity and multifunctional properties of green synthesized zinc oxide nanoparticles. Biocatalysis and Agricultural Biotechnology, 2019, 19, 101103.	1.5	173
5	Biotechnological applications of fungal endophytes associated with medicinal plant Asclepias sinaica (Bioss.). Annals of Agricultural Sciences, 2015, 60, 95-104.	1.1	171
6	Green Synthesis of Zinc Oxide Nanoparticles (ZnO-NPs) Using Arthrospira platensis (Class:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Tc	1.9	165
7	New approach for antimicrobial activity and bio-control of various pathogens by biosynthesized copper nanoparticles using endophytic actinomycetes. Journal of Radiation Research and Applied Sciences, 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. Nanomaterials, 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. Journal of Environmental Chemical Engineering, 2021, 9, 105346.	3.3	144
10	Optimization of green biosynthesized visible light active CuO/ZnO nano-photocatalysts for the degradation of organic methylene blue dye. Heliyon, 2020, 6, e04896.	1.4	131
11	Antibacterial, Cytotoxicity and Larvicidal Activity of Green Synthesized Selenium Nanoparticles Using Penicillium corylophilum. Journal of Cluster Science, 2021, 32, 351-361.	1.7	131
12	Antimicrobial, Antioxidant and Larvicidal Activities of Spherical Silver Nanoparticles Synthesized by Endophytic Streptomyces spp.. Biological Trace Element Research, 2020, 195, 707-724.	1.9	125
13	Endophytic Streptomyces laurentii Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties. Antibiotics, 2020, 9, 641.	1.5	120
14	Multifunctional cellulose nanocrystal /metal oxide hybrid, photo-degradation, antibacterial and larvicidal activities. Carbohydrate Polymers, 2020, 230, 115711.	5.1	115
15	Efficacy Assessment of Biosynthesized Copper Oxide Nanoparticles (CuO-NPs) on Stored Grain Insects and Their Impacts on Morphological and Physiological Traits of Wheat (Triticum aestivum L.) Plant. Biology, 2021, 10, 233.	1.3	109
16	Integration of Cotton Fabrics with Biosynthesized CuO Nanoparticles for Bactericidal Activity in the Terms of Their Cytotoxicity Assessment. Industrial & Engineering Chemistry Research, 2021, 60, 1553-1563.	1.8	107
17	Isolation and Characterization of Plant Growth Promoting Endophytic Bacteria from Desert Plants and Their Application as Bioinoculants for Sustainable Agriculture. Agronomy, 2020, 10, 1325.	1.3	105
18	Multifunctional properties of spherical silver nanoparticles fabricated by different microbial taxa. Heliyon, 2020, 6, e03943.	1.4	104

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19	Harnessing Bacterial Endophytes for Promotion of Plant Growth and Biotechnological Applications: An Overview. Plants, 2021, 10, 935.	1.6	100
20	Rhizopus oryzae-Mediated Green Synthesis of Magnesium Oxide Nanoparticles (MgO-NPs): A Promising Tool for Antimicrobial, Mosquitocidal Action, and Tanning Effluent Treatment. Journal of Fungi (Basel, Switzerland), 2021, 7, 372.	1.5	100
21	Eco-friendly approach utilizing green synthesized nanoparticles for paper conservation against microbes involved in biodeterioration of archaeological manuscript. International Biodeterioration and Biodegradation, 2019, 142, 160-169.	1.9	96
22	An eco-friendly approach to textile and tannery wastewater treatment using maghemite nanoparticles (Î³-Fe2O3-NPs) fabricated by Penicillium expansum strain (K-w). Journal of Environmental Chemical Engineering, 2021, 9, 104693.	3.3	92
23	The Catalytic Activity of Biosynthesized Magnesium Oxide Nanoparticles (MgO-NPs) for Inhibiting the Growth of Pathogenic Microbes, Tanning Effluent Treatment, and Chromium Ion Removal. Catalysts, 2021, 11, 821.	1.6	88
24	Isolation and Characterization of Fungal Endophytes Isolated from Medicinal Plant Ephedra pachyclada as Plant Growth-Promoting. Biomolecules, 2021, 11, 140.	1.8	87
25	Catalytic degradation of wastewater from the textile and tannery industries by green synthesized hematite (Î±-Fe2O3) and magnesium oxide (MgO) nanoparticles. Current Research in Biotechnology, 2021, 3, 29-41.	1.9	85
26	Plant Growth-Promoting Endophytic Bacterial Community Inhabiting the Leaves of Pulicaria incisa (Lam.) DC Inherent to Arid Regions. Plants, 2021, 10, 76.	1.6	76
27	Green Approach to Overcome the Resistance Pattern of Candida spp. Using Biosynthesized Silver Nanoparticles Fabricated by Penicillium chrysogenum F9. Biological Trace Element Research, 2021, 199, 800-811.	1.9	70
28	Antimicrobial and In Vitro Cytotoxic Efficacy of Biogenic Silver Nanoparticles (Ag-NPs) Fabricated by Callus Extract of Solanum incanum L.. Biomolecules, 2021, 11, 341.	1.8	68
29	Phosphorylation of Guar Gum/Magnetite/Chitosan Nanocomposites for Uranium (VI) Sorption and Antibacterial Applications. Molecules, 2021, 26, 1920.	1.7	68
30	Green approach for one-pot synthesis of silver nanorod using cellulose nanocrystal and their cytotoxicity and antibacterial assessment. International Journal of Biological Macromolecules, 2018, 106, 784-792.	3.6	66
31	Monitoring the effect of biosynthesized nanoparticles against biodeterioration of cellulose-based materials by Aspergillus niger. Cellulose, 2019, 26, 6583-6597.	2.4	61
32	Comparative Study between Exogenously Applied Plant Growth Hormones versus Metabolites of Microbial Endophytes as Plant Growth-Promoting for Phaseolus vulgaris L.. Cells, 2021, 10, 1059.	1.8	61
33	Functionalization of magnetic chitosan microparticles for high-performance removal of chromate from aqueous solutions and tannery effluent. Chemical Engineering Journal, 2022, 428, 131775.	6.6	60
34	Enhanced Antimicrobial, Cytotoxicity, Larvicidal, and Repellence Activities of Brown Algae, Cystoseira crinita-Mediated Green Synthesis of Magnesium Oxide Nanoparticles. Frontiers in Bioengineering and Biotechnology, 2022, 10, 849921.	2.0	59
35	Biological Treatment of Real Textile Effluent Using Aspergillus flavus and Fusarium oxysporium and Their Consortium along with the Evaluation of Their Phytotoxicity. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	3.5	58
36	An Eco-Friendly Approach to the Control of Pathogenic Microbes and Anopheles stephensi Malarial Vector Using Magnesium Oxide Nanoparticles (Mg-NPs) Fabricated by Penicillium chrysogenum. International Journal of Molecular Sciences, 2021, 22, 5096.	1.8	54

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37	Synthesis of Eco-Friendly Biopolymer, Alginate-Chitosan Composite to Adsorb the Heavy Metals, Cd(II) and Pb(II) from Contaminated Effluents. Materials, 2021, 14, 2189.	1.3	52
38	Light enhanced the antimicrobial, anticancer, and catalytic activities of selenium nanoparticles fabricated by endophytic fungal strain, Penicillium crustosum EP-1. Scientific Reports, 2022, 12, .	1.6	46
39	Green Synthesis of Zinc Oxide Nanoparticles (ZnO-NPs) by Pseudomonas aeruginosa and Their Activity against Pathogenic Microbes and Common House Mosquito, Culex pipiens. Materials, 2021, 14, 6983.	1.3	44
40	Role of Endophytes in Plant Health and Abiotic Stress Management. , 2019, , 119-144.		42
41	The Potency of Fungal-Fabricated Selenium Nanoparticles to Improve the Growth Performance of Helianthus annuus L. and Control of Cutworm Agrotis ipsilon. Catalysts, 2021, 11, 1551.	1.6	40
42	Extracellular Biosynthesis of Silver Nanoparticles Using Aspergillus sp. and Evaluation of their Antibacterial and Cytotoxicity. Journal of Applied Life Sciences International, 2017, 11, 1-12.	0.2	37
43	U(VI) and Th(IV) recovery using silica beads functionalized with urea- or thiourea-based polymers â€“ Application to ore leachate. Science of the Total Environment, 2022, 821, 153184.	3.9	37
44	Synthesis and characterization of new functionalized chitosan and its antimicrobial and in-vitro release behavior from topical gel. International Journal of Biological Macromolecules, 2022, 207, 242-253.	3.6	36
45	Enhancing of cotton fabric antibacterial properties by silver nanoparticles synthesized by new Egyptian strain Fusarium keratoplasticum A1-3.. Egyptian Journal of Chemistry, 2017, 60, 4-7.	0.1	34
46	Biotechnological application of plant growth-promoting endophytic bacteria isolated from halophytic plants to ameliorate salinity tolerance of Vicia faba L.. Plant Biotechnology Reports, 2021, 15, 819-843.	0.9	34
47	Functionalized biobased composite for metal decontamination â€“ Insight on uranium and application to water samples collected from wells in mining areas (Sinai, Egypt). Chemical Engineering Journal, 2022, 431, 133967.	6.6	34
48	Aspergillus flavus-Mediated Green Synthesis of Silver Nanoparticles and Evaluation of Their Antibacterial, Anti-Candida, Acaricides, and Photocatalytic Activities. Catalysts, 2022, 12, 462.	1.6	32
49	Phyco-Synthesized Zinc Oxide Nanoparticles Using Marine Macroalgae, Ulva fasciata Delile, Characterization, Antibacterial Activity, Photocatalysis, and Tanning Wastewater Treatment. Catalysts, 2022, 12, 756.	1.6	32
50	The Efficacy of Silver Nitrate (AgNO3) as a Coating Agent to Protect Paper against High Deteriorating Microbes. Catalysts, 2021, 11, 310.	1.6	23
51	Plant growth-promoting properties of bacterial endophytes isolated from roots of Thymus vulgaris L. and investigate their role as biofertilizers to enhance the essential oil contents. Biomolecular Concepts, 2021, 12, 175-196.	1.0	22
52	Mycosynthesis, Characterization, and Mosquitocidal Activity of Silver Nanoparticles Fabricated by Aspergillus niger Strain. Journal of Fungi (Basel, Switzerland), 2022, 8, 396.	1.5	22
53	Grafting of Thiazole Derivative on Chitosan Magnetite Nanoparticles for Cadmium Removalâ€"Application for Groundwater Treatment. Polymers, 2022, 14, 1240.	2.0	18
54	Synthesis and Characterization of Functionalized Chitosan Nanoparticles with Pyrimidine Derivative for Enhancing Ion Sorption and Application for Removal of Contaminants. Materials, 2022, 15, 4676.	1.3	17

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55	Evaluating the Effect of Lignocellulose-Derived Microbial Inhibitors on the Growth and Lactic Acid Production by Bacillus coagulans Azu-10. Fermentation, 2021, 7, 17.	1.4	16
56	Implication of plant growth-promoting rhizobacteria ofBacillusspp. as biocontrol agents against wilt disease caused byFusarium oxysporumSchlecht. inVicia fabaL.. Biomolecular Concepts, 2021, 12, 197-214.	1.0	16
57	Use of Corn-Steep Water Effluent as a Promising Substrate for Lactic Acid Production by Enterococcus faecium Strain WH51-1. Fermentation, 2021, 7, 111.	1.4	15
58	The Interaction Between Plants and Bacterial Endophytes Under Salinity Stress. Reference Series in Phytochemistry, 2019, , 591-607.	0.2	13
59	Evaluate the Toxicity of Pyrethroid Insecticide Cypermethrin before and after Biodegradation by Lysinibacillus cresolivuorans Strain HIS7. Plants, 2021, 10, 1903.	1.6	13
60	Groundwater Purification in a Polymetallic Mining Area (SW Sinai, Egypt) Using Functionalized Magnetic Chitosan Particles. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	12
61	Synthesis and characterization of the novel pyrimidineâ€™s derivatives, as a promising tool for antimicrobial agent and in-vitro cytotoxicity. Journal of the Iranian Chemical Society, 2022, 19, 2279-2296.	1.2	12
62	Biological decolorization of azo dyes from textile wastewater effluent by Aspergillus niger. Egyptian Journal of Chemistry, 2019, .	0.1	10
63	Photocatalytic Efficacy of Heterocyclic Base Grafted Chitosan Magnetite Nanoparticles on Sorption of Pb(II); Application on Mining Effluent. Catalysts, 2022, 12, 330.	1.6	10
64	Silver Nanoparticles: Biosynthesis, Characterization and Application on Cotton Fabrics. Microbiology Research Journal International, 2017, 20, 1-14.	0.2	8
65	Subsequent improvement of lactic acid production from beet molasses by Enterococcus hirae ds10 using different fermentation strategies. Bioresource Technology Reports, 2021, 13, 100617.	1.5	7
66	Decolorization of Different Azo Dyes and Detoxification of Dyeing Wastewater by Pseudomonas stutzeri (SB_13) Isolated from Textile Dyes Effluent. British Biotechnology Journal, 2016, 15, 1-18.	0.4	6
67	Isolation and Identification of Bacterial Species Associated with Non- Biting Flies in Egypt. Egyptian Academic Journal of Biological Sciences, 2016, 9, 37-45.	0.1	0