

Mohamed Abdel-Aziz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,137
citations

18
h-index

33
g-index

49
ext. papers

1,379
ext. citations

3.5
avg. IF

4.97
L-index

#	Paper	IF	Citations
49	Antioxidant and antibacterial activity of silver nanoparticles biosynthesized using <i>Chenopodium murale</i> leaf extract. <i>Journal of Saudi Chemical Society</i> , 2014 , 18, 356-363	4.3	221
48	Chitosan nanocomposite films based on Ag-NP and Au-NP biosynthesis by <i>Bacillus Subtilis</i> as packaging materials. <i>International Journal of Biological Macromolecules</i> , 2014 , 69, 185-91	7.9	160
47	PLA/PBAT Bionanocomposites with Antimicrobial Natural Rosin for Green Packaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20132-20141	9.5	101
46	Effect of plasma superficial treatments on antibacterial functionalization and coloration of cellulosic fabrics. <i>Applied Surface Science</i> , 2017 , 392, 1126-1133	6.7	58
45	Green synthesis of AuNPs for eco-friendly functionalization of cellulosic substrates. <i>Applied Surface Science</i> , 2016 , 389, 118-125	6.7	55
44	Morphological, electrical & antibacterial properties of trilayered Cs/PAA/PPy bionanocomposites hydrogel based on FeO-NPs. <i>Carbohydrate Polymers</i> , 2018 , 196, 483-493	10.3	44
43	Preparation of Polystyrene Nanocomposites Based on Silver Nanoparticles Using Marine Bacterium for Packaging. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 607-613		40
42	Inducing secondary metabolite production by the soil-dwelling fungus <i>Aspergillus terreus</i> through bacterial co-culture. <i>Phytochemistry Letters</i> , 2015 , 12, 35-41	1.9	36
41	Spectroscopic and Antibacterial Evaluation of Nano-Hydroxapatite Polyvinyl Alcohol Biocomposite Doped with Microbial-Synthesized Nanogold for Biomedical Applications. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 1503-1509		31
40	Pretrichodermamide C and N-methylpretrichodermamide B, two new cytotoxic epidithiodiketopiperazines from hyper saline lake derived <i>Penicillium</i> sp.. <i>Phytochemistry Letters</i> , 2015 , 11, 168-172	1.9	27
39	Nanomaterials-based microbial sensor for direct electrochemical detection of <i>Streptomyces</i> Spp.. <i>Sensors and Actuators B: Chemical</i> , 2014 , 203, 848-853	8.5	24
38	Multifunctional Hydroxyapatite/Silver Nanoparticles/Cotton Gauze for Antimicrobial and Biomedical Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	24
37	Preparation and characterization of novel antibacterial blended films based on modified carboxymethyl cellulose/phenolic compounds. <i>Polymer Bulletin</i> , 2021 , 78, 1061-1085	2.4	23
36	Antimicrobial cellulosic hydrogel from olive oil industrial residue. <i>International Journal of Biological Macromolecules</i> , 2018 , 117, 179-188	7.9	21
35	Green Synthesis of Silver Nano-particles by <i>Macroccoccus bovicus</i> and Its Immobilization onto Montmorillonite Clay for Antimicrobial Functionality. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 2225-41	3.2	20
34	Tetrahydroanthraquinone Derivatives from the Endophytic Fungus <i>Stemphylium globuliferum</i> . <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 2646-2653	3.2	20
33	Optical, Functional Impact and Antimicrobial of Chitosan/Phosphosilicate/Al ₂ O ₃ Nanosheets. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 3084-3094	3.2	18

32	Cytotoxic acyl amides from the soil fungus <i>Gymnascella dankaliensis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 712-9	3.4	18
31	Biosynthesis of nanosilver using <i>Chaetomium globosum</i> and its application to control <i>Fusarium</i> wilt of tomato in the greenhouse. <i>IET Nanobiotechnology</i> , 2017 , 11, 702-708	2	14
30	Chromatographic isolation and structural elucidation of secondary metabolites from the soil-inhabiting fungus <i>Aspergillus fumigatus</i> 3T-EGY. <i>Acta Chromatographica</i> , 2018 , 30, 243-249	1.5	14
29	Functionalization of Polystyrene Nanocomposite with Excellent Antimicrobial Efficiency for Food Packaging Application. <i>Journal of Cluster Science</i> , 2020 , 31, 1371-1382	3	13
28	Exploring the ferroelectric effect of nanocrystalline strontium zinc titanate/Cu: Raman and antimicrobial activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7850-7861	2.1	12
27	Efficient alternative of antimicrobial nanocomposites based on cellulose acetate/Cu-NPs. <i>Soft Materials</i> , 2018 , 16, 141-150	1.7	12
26	Biosynthesis, optimization and potential textile application of fungal cellulases/xylanase multifunctional enzyme preparation from <i>Penicillium</i> sp. SAF6. <i>Biocatalysis and Biotransformation</i> , 2016 , 34, 128-136	2.5	12
25	Trimeric anthracenes from the endophytic fungus <i>Stemphylium globuliferum</i> . <i>Journal of Natural Products</i> , 2014 , 77, 1734-8	4.9	11
24	Bioactive Wound Dressing Gauze Loaded with Silver Nanoparticles Mediated by Acacia Gum. <i>Journal of Cluster Science</i> , 2020 , 31, 1349-1362	3	11
23	Spectroscopic and Antimicrobial Activity of Hybrid Chitosan/Silica Membranes doped with Al ₂ O ₃ Nanoparticles. <i>Silicon</i> , 2019 , 11, 1677-1685	2.4	11
22	Evaluation of Antimicrobial Activity of Some Compounds Isolated from <i>Rhamnus cathartica</i> L. <i>Oriental Journal of Chemistry</i> , 2015 , 31, 1133-1140	0.8	9
21	Investigating on the Correlation Between Some Biological Activities of Marine Sponge-Associated Bacteria Extracts and Isolated Diketopiperazines. <i>Current Microbiology</i> , 2017 , 74, 6-13	2.4	8
20	Bioactive compounds from <i>Aspergillus niger</i> extract enhance the antioxidant activity and prevent the genotoxicity in aflatoxin B-treated rats. <i>Toxicol</i> , 2020 , 181, 57-68	2.8	7
19	Phenolic constituents, antimicrobial, antioxidant, and anticancer activities of ethyl acetate and n-butanol extracts of <i>Senna italica</i> . <i>Acta Chromatographica</i> , 2019 , 31, 138-145	1.5	7
18	Secondary metabolites from <i>Bacillus</i> sp. MERN97 extract attenuates the oxidative stress, genotoxicity and cytotoxicity of aflatoxin B in rats. <i>Food and Chemical Toxicology</i> , 2020 , 141, 111399	4.7	6
17	Benhamycin, novel alkaloid from terrestrial <i>Streptomyces</i> sp. <i>Natural Product Research</i> , 2007 , 21, 1205-11.3		6
16	Biological activities of endozoic fungi isolated from <i>Biomphalaria alexandrina</i> snails maintained in different environmental conditions. <i>International Journal of Environmental Studies</i> , 2019 , 76, 780-799	1.8	5
15	Snailicidal, antimicrobial, antioxidant and anticancer activities of <i>Beauveria bassiana</i> , <i>Metarhizium anisopliae</i> and <i>Paecilomyces lilacinus</i> fungal extracts. <i>Egyptian Journal of Aquatic Biology and Fisheries</i> , 2019 , 23, 195-212	1.9	5

14	Novel Egyptian bacterial strains exhibiting antimicrobial and antiaflatoxigenic activity. <i>Journal of Applied Pharmaceutical Science</i> , 001-010	2	5
13	Screening Fungal Endophytes Derived from Under-Explored Egyptian Marine Habitats for Antimicrobial and Antioxidant Properties in Factionalised Textiles. <i>Microorganisms</i> , 2020 , 8,	4.9	4
12	Comparative Correlation Between Chemical Composition and Cytotoxic Potential of the Coral-Associated Fungus <i>Aspergillus</i> sp. 2C1-EGY Against Human Colon Cancer Cells. <i>Current Microbiology</i> , 2017 , 74, 1294-1300	2.4	4
11	Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity. <i>Polymers</i> , 2021 , 13,	4.5	4
10	Health Benefits of Trace Elements in Human Diseases 2016 , 117-142		3
9	Synthesis, Anti-Methicillin-resistant <i>S. aureus</i> (MRSA) Evaluation, Quantitative Structure-Activity Relationship and Molecular Modeling Studies of Some Novel Bis-indoles as Prospective MRSA Pyruvate Kinase Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2018 , 15, 336-346	0.8	3
8	Synthesis, Molecular Docking, and Biofilm Formation Inhibitory Activity of Bis(Indolyl)Pyridines Analogues of the Marine Alkaloid Nortopsentin. <i>Molecules</i> , 2021 , 26,	4.8	3
7	Preparation and Characterization of Nano-sized Sr ¹² AgxTiO ₃ System as Antimicrobial Nanomaterial Coating for Paper Base Packaging Materials. <i>Journal of Packaging Technology and Research</i> , 2019 , 3, 67-75	3.1	2
6	Functionalization of cotton fabrics with titanium oxide doped silver nanoparticles: Antimicrobial and UV protection activities.. <i>Luminescence</i> , 2022 ,	2.5	2
5	Ultrasound-assisted green synthesis and antimicrobial assessment of 1,3-thiazoles and 1,3,4-thiadiazines. <i>Green Chemistry Letters and Reviews</i> , 2021 , 14, 689-698	4.7	1
4	Design of transferrin nanocarriers of nystatin for combating vulvovaginal candidiasis; A different prospective.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 211, 112304	6	1
3	Preparation and Characterization of Eco-friendly Carboxymethyl Cellulose Antimicrobial Nanocomposite Hydrogels. <i>Journal of Renewable Materials</i> , 2018 ,	2.4	1
2	Hydrolytic and chromatographic studies on the PEGylation of dextranase from <i>Penicillium</i> sp.. <i>Journal of Genetic Engineering and Biotechnology</i> , 2012 , 10, 145-150	3.1	
1	Antimicrobial, Cytotoxic, and α -Glucosidase Inhibitory Potentials Using the One Strain Many Compounds Technique for Red Sea Soft Corals Associated Fungi Secondary Metabolites and Chemical Composition Correlations. <i>Journal of Biologically Active Products From Nature</i> , 2021 , 11, 467-489	0.7	