

Mohamed Abdel-Aziz

List of Publications by Year in descending order

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49
papers

1,640
citations

361045

20
h-index

301761

39
g-index

49
all docs

49
docs citations

49
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.4	289
2	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, 185-191.	3.6	198
3	PLA/PBAT Bionanocomposites with Antimicrobial Natural Rosin for Green Packaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20132-20141.	4.0	167
4	Effect of plasma superficial treatments on antibacterial functionalization and coloration of cellulosic fabrics. <i>Applied Surface Science</i> , 2017, 392, 1126-1133.	3.1	74
5	Morphological, electrical & antibacterial properties of trilayered Cs/PAA/PPy bionanocomposites hydrogel based on Fe ₃ O ₄ -NPs. <i>Carbohydrate Polymers</i> , 2018, 196, 483-493.	5.1	64
6	Green synthesis of AuNPs for eco-friendly functionalization of cellulosic substrates. <i>Applied Surface Science</i> , 2016, 389, 118-125.	3.1	61
7	Preparation of Polystyrene Nanocomposites Based on Silver Nanoparticles Using Marine Bacterium for Packaging. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 607-613.	1.9	49
8	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.	0.6	48
9	Multifunctional Hydroxyapatite/Silver Nanoparticles/Cotton Gauze for Antimicrobial and Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 429.	1.9	44
10	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.	1.9	41
11	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.	0.6	39
12	Preparation and characterization of novel antibacterial blended films based on modified carboxymethyl cellulose/phenolic compounds. <i>Polymer Bulletin</i> , 2021, 78, 1061-1085.	1.7	36
13	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.	1.9	35
14	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.	1.9	34
15	Antimicrobial cellulosic hydrogel from olive oil industrial residue. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 179-188.	3.6	31
16	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, 2225-2241.	1.4	30
17	Nanomaterials-based microbial sensor for direct electrochemical detection of <i>Streptomyces</i> Spp.. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 848-853.	4.0	29
18	Tetrahydroanthraquinone Derivatives from the Endophytic Fungus <i>Stemphylium globuliferum</i> . <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2646-2653.	1.2	26

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19	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.	1.1	25
20	Cytotoxic acyl amides from the soil fungus <i>Gymnascella dankaliensis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 712-719.	1.4	23
21	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.	0.7	23
22	Functionalization of Polystyrene Nanocomposite with Excellent Antimicrobial Efficiency for Food Packaging Application. <i>Journal of Cluster Science</i> , 2020, 31, 1371-1382.	1.7	22
23	Screening Fungal Endophytes Derived from Under-Explored Egyptian Marine Habitats for Antimicrobial and Antioxidant Properties in Factionalised Textiles. <i>Microorganisms</i> , 2020, 8, 1617.	1.6	19
24	Efficient alternative of antimicrobial nanocomposites based on cellulose acetate/Cu-NPs. <i>Soft Materials</i> , 2018, 16, 141-150.	0.8	16
25	Spectroscopic and Antimicrobial Activity of Hybrid Chitosan/Silica Membranes doped with Al ₂ O ₃ Nanoparticles. <i>Silicon</i> , 2019, 11, 1677-1685.	1.8	16
26	Bioactive Wound Dressing Gauze Loaded with Silver Nanoparticles Mediated by Acacia Gum. <i>Journal of Cluster Science</i> , 2020, 31, 1349-1362.	1.7	15
27	Trimeric Anthracenes from the Endophytic Fungus <i>Stemphylium globuliferum</i> . <i>Journal of Natural Products</i> , 2014, 77, 1734-1738.	1.5	14
28	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.	1.1	14
29	Bioactive compounds from <i>Aspergillus niger</i> extract enhance the antioxidant activity and prevent the genotoxicity in aflatoxin B ₁ -treated rats. <i>Toxicol</i> , 2020, 181, 57-68.	0.8	14
30	Synthesis, Molecular Docking, and Biofilm Formation Inhibitory Activity of Bis(Indolyl)Pyridines Analogues of the Marine Alkaloid Nortopsentin. <i>Molecules</i> , 2021, 26, 4112.	1.7	13
31	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.	0.2	13
32	Evaluation of Antimicrobial Activity of Some Compounds Isolated from <i>Rhamnus cathartica</i> L. <i>Oriental Journal of Chemistry</i> , 2015, 31, 1133-1140.	0.1	12
33	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.	1.0	10
34	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.	0.7	10
35	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.	0.7	10
36	Functionalization of cotton fabrics with titanium oxide doped silver nanoparticles: Antimicrobial and UV protection activities. <i>Luminescence</i> , 2022, 37, 854-864.	1.5	10

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37	Secondary metabolites from <i>Bacillus</i> sp. MERN97 extract attenuates the oxidative stress, genotoxicity and cytotoxicity of aflatoxin B1 in rats. <i>Food and Chemical Toxicology</i> , 2020, 141, 111399.	1.8	9
38	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.	1.0	7
39	Benhamycin, novel alkaloid from terrestrial <i>Streptomyces</i> sp.. <i>Natural Product Research</i> , 2007, 21, 1205-1211.	1.0	6
40	Preparation and Characterization of Eco-friendly Carboxymethyl Cellulose Antimicrobial Nanocomposite Hydrogels. <i>Journal of Renewable Materials</i> , 2018, , .	1.1	6
41	Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity. <i>Polymers</i> , 2021, 13, 2009.	2.0	6
42	Novel Egyptian bacterial strains exhibiting antimicrobial and antiaflatoxigenic activity. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 001-010.	0.7	6
43	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, 679-688.	2.1	6
44	Design of transfersomal nanocarriers of nystatin for combating vulvovaginal candidiasis; A different prospective. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112304.	2.5	6
45	Health Benefits of Trace Elements in Human Diseases. , 2016, , 117-142.		5
46	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.	0.4	5
47	Preparation and Characterization of Nano-sized Sr ¹⁺ xAgxTiO ₃ System as Antimicrobial Nanomaterial Coating for Paper Base Packaging Materials. <i>Journal of Packaging Technology and Research</i> , 2019, 3, 67-75.	0.6	4
48	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.	1.5	0
49	Antimicrobial, Cytotoxic, and α -Glucosidase Inhibitory Potentials Using the One Strain Many Compounds Technique for Red Sea Soft Corals Associated Fungi TM Secondary Metabolites and Chemical Composition Correlations. <i>Journal of Biologically Active Products From Nature</i> , 2021, 11, 467-489.	0.1	0