

Mohamed S Hasanin

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,982
citations

94269

37
h-index

189595

50
g-index

73
all docs

73
docs citations

73
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	Green biosynthesis of titanium dioxide quantum dots using watermelon peel waste: antimicrobial, antioxidant, and anticancer activities. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6987-6998.	2.9	37
2	Preparation and characterization of microcrystalline cellulose from olive stones. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5015-5022.	2.9	14
3	In vitro improvement and rooting of banana plantlets using antifungal nanocomposite based on myco-synthesized copper oxide nanoparticles and starch. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8865-8875.	2.9	40
4	Green biosynthesis of zinc and selenium oxide nanoparticles using callus extract of <i>Ziziphus spina-christi</i> : characterization, antimicrobial, and antioxidant activity. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10133-10146.	2.9	42
5	Development of ecofriendly high performance anti-corrosive chitosan nanocomposite material for mild steel corrosion in acid medium. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12235-12248.	2.9	7
6	Ecofriendly Synthesis of Biosynthesized Copper Nanoparticles with Starch-Based Nanocomposite: Antimicrobial, Antioxidant, and Anticancer Activities. <i>Biological Trace Element Research</i> , 2022, 200, 2099-2112.	1.9	76
7	Hydroxypropyl methylcellulose/graphene oxide composite as drug carrier system for 5-Fluorouracil. <i>Biotechnology Journal</i> , 2022, 17, e2100183.	1.8	19
8	Synthesis of Nanocapsules Based on Biosynthesized Nickel Nanoparticles and Potato Starch: Antimicrobial, Antioxidant, and Anticancer Activity. <i>Starch/Staerke</i> , 2022, 74, 2100165.	1.1	47
9	Antimicrobial and Antiviral Activities of Durable Cotton Fabrics Treated with Nanocomposite Based on Zinc Oxide Nanoparticles, Acyclovir, Nanochitosan, and Clove Oil. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 783-800.	1.4	51
10	Poly(amidoamine)/cellulose based bio-composites as potential anticancer bio-compatible polymers. <i>Polymer Bulletin</i> , 2022, 79, 8807-8822.	1.7	3
11	Newly synthesized imidazolotriazole, imidazolotriazine, and imidazole-pyrazole hybrid derivatives as promising antimicrobial agents. <i>Journal of Molecular Structure</i> , 2022, 1250, 131727.	1.8	15
12	Eco-Friendly Synthesis of Superhydrophobic Antimicrobial Film Based on Cellulose Acetate/Polycaprolactone Loaded with the Green Biosynthesized Copper Nanoparticles for Food Packaging Application. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1820-1832.	2.4	43
13	A new approach for antimicrobial and antiviral activities of biocompatible nanocomposite based on cellulose, amino acid and graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 209, 112172.	2.5	37
14	Photofunctional Materials Based on Sheet Polymer Capped Organic Molecules for Visible-Light-Responsive Rewritable Paper. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 667-677.	1.9	1
15	Fabrication, characterization, and potential application of modified sawdust sorbents for efficient removal of heavy metal ions and anionic dye from aqueous solutions. <i>Journal of Cleaner Production</i> , 2022, 332, 130021.	4.6	34
16	Novel design of bandages using cotton pads, doped with chitosan, glycogen and ZnO nanoparticles, having enhanced antimicrobial and wounds healing effects. <i>International Journal of Biological Macromolecules</i> , 2022, 197, 121-130.	3.6	57
17	Solid and liquid green Ag nanoparticles based on banana peel extract as an ecofriendly remedy for ringworm in pets. <i>Surface and Interface Analysis</i> , 2022, 54, 607-618.	0.8	9
18	Green Immobilization of <i>Glucanobacter xylinum</i> onto Natural Polymers to Sustainable Bacterial Cellulose Production. <i>Waste and Biomass Valorization</i> , 2022, 13, 2053-2069.	1.8	6

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19	Green decoration of graphene oxide Nano sheets with gelatin and gum Arabic for targeted delivery of doxorubicin. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 34, e00722.	2.1	17
20	Lead Removal from Aqueous Solution by Green Solid Film Based on Cellulosic Fiber Extracted from Banana Tree Doped in Polyacrylamide. <i>Fibers and Polymers</i> , 2022, 23, 1171-1181.	1.1	4
21	Green silver nanoparticles based on <i>Lavandula coronopifolia</i> aerial parts extract against mycotic mastitis in cattle. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 42, 102350.	1.5	17
22	Cellulose-Based Biomaterials: Chemistry and Biomedical Applications. <i>Starch/Staerke</i> , 2022, 74, .	1.1	37
23	Engineering ZIF-8 Hybridization by Extracted Lignin with Antibacterial Property for Uptake of Methomyl Residues from Wastewater. <i>Separation Science and Technology</i> , 2022, 57, 3023-3034.	1.3	9
24	Utilization of olive leaves extract coating incorporated with zinc/selenium oxide nanocomposite to improve the postharvest quality of green beans pods. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2022, 28, 100333.	1.5	14
25	Carboxymethyl Cellulose-Based Hydrogel: Dielectric Study, Antimicrobial Activity and Biocompatibility. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 17-30.	1.7	38
26	Dielectric properties of nicotinic acid/methyl cellulose composite via "green" method for anti-static charge applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114797.	1.7	26
27	Biodegradable, Antimicrobial and Antioxidant Biofilm for Active Packaging Based on Extracted Gelatin and Lignocelluloses Biowastes. <i>Journal of Polymers and the Environment</i> , 2021, 29, 472-482.	2.4	39
28	Conducting chitosan/hydroxyethyl cellulose/polyaniline bionanocomposites hydrogel based on graphene oxide doped with Ag-NPs. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1435-1444.	3.6	57
29	Experimental and theoretical investigation to improvement biodiesel production using green catalyst based on cellulose derivatives. <i>Materials Express</i> , 2021, 11, 142-151.	0.2	1
30	Enhancing the Antifungal Activity of Griseofulvin by Incorporation a Green Biopolymer-Based Nanocomposite. <i>Polymers</i> , 2021, 13, 542.	2.0	43
31	Ecofriendly novel synthesis of tertiary composite based on cellulose and myco-synthesized selenium nanoparticles: Characterization, antibiofilm and biocompatibility. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 294-303.	3.6	108
32	Synthesis of cellulose based amino acid functionalized nano-biocomplex: Characterization, antifungal activity, molecular docking and hemocompatibility. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100453.	1.7	43
33	Simple, Economic, Ecofriendly Method to Extract Starch Nanoparticles from Potato Peel Waste for Biological Applications. <i>Starch/Staerke</i> , 2021, 73, .	1.1	28
34	Biocompatible hydrogel based on aldehyde-functionalized cellulose and chitosan for potential control drug release. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100419.	1.6	50
35	Enhancement of multifunctional properties of leather surface decorated with silver nanoparticles (Ag NPs). <i>Journal of Molecular Structure</i> , 2021, 1234, 130130.	1.8	35
36	Development of Antimicrobial Laser-Induced Photodynamic Therapy Based on Ethylcellulose/Chitosan Nanocomposite with 5,10,15,20-Tetrakis(m-Hydroxyphenyl)porphyrin. <i>Molecules</i> , 2021, 26, 3551.	1.7	23

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37	Green and facile synthesis of nickel oxide-porous carbon composite as improved electrochemical electrodes for supercapacitor application from banana peel waste. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66888-66900.	2.7	32
38	Synthesis of novel heterocyclic compounds based on dialdehyde cellulose: characterization, antimicrobial, antitumor activity, molecular dynamics simulation and target identification. <i>Cellulose</i> , 2021, 28, 8355-8374.	2.4	35
39	Potential military cotton textiles composed of carbon quantum dots clustered from 4-(2,4-dichlorophenyl)-6-oxo-2-thioxohexahydropyrimidine-5-carbonitrile. <i>Cellulose</i> , 2021, 28, 9991-10011.	2.4	50
40	Fermentation-based nanoparticle systems for sustainable conversion of black-liquor into biohydrogen. <i>Journal of Cleaner Production</i> , 2021, 309, 127349.	4.6	56
41	Protective role of zinc oxide nanoparticles based hydrogel against wilt disease of pepper plant. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102083.	1.5	75
42	Electrical Properties of Conducting Tertiary Composite Based on Biopolymers and Polyaniline. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	1.2	15
43	Photocatalytic degradation of pesticide intermediate using green eco-friendly amino functionalized cellulose nanocomposites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 270, 115231.	1.7	14
44	Potential anticorrosive performance of green and sustainable inhibitor based on cellulose derivatives for carbon steel. <i>Journal of Molecular Liquids</i> , 2021, 338, 116604.	2.3	34
45	Ecofriendly preparation of silver nanoparticles-based nanocomposite stabilized by polysaccharides with antibacterial, antifungal and antiviral activities. <i>BioMetals</i> , 2021, 34, 1313-1328.	1.8	53
46	Synthesis of antimicrobial cellulosic derivative and its catalytic activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 436-442.	1.6	53
47	One-pot synthesis of nanostructured CdS, CuS, and SnS by pulsed laser ablation in liquid environment and their antimicrobial activity. <i>Optics and Laser Technology</i> , 2020, 121, 105824.	2.2	99
48	Eco-Green Conversion of Watermelon Peels to Single Cell Oils Using a Unique Oleaginous Fungus: <i>Lichtheimia corymbifera</i> AH13. <i>Waste and Biomass Valorization</i> , 2020, 11, 5721-5732.	1.8	39
49	New potential green, bioactive and antimicrobial nanocomposites based on cellulose and amino acid. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 441-448.	3.6	48
50	Eco-friendly, economic fungal universal medium from watermelon peel waste. <i>Journal of Microbiological Methods</i> , 2020, 168, 105802.	0.7	54
51	Hydroxyethyl cellulose/bacterial cellulose cryogel doped silver@titanium oxide nanoparticles: Antimicrobial activity and controlled release of Tebuconazole fungicide. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1010-1021.	3.6	63
52	Green and ecofriendly bio-removal of methylene blue dye from aqueous solution using biologically activated banana peel waste. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100333.	1.6	60
53	Sustainable hybrid silica extracted from rice husk with polyvinyl alcohol and nicotinic acid as multi adsorbent for textile wastewater treatment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 26742-26749.	2.7	24
54	Environmentally benign corrosion inhibitors based on cellulose niacin nano-composite for corrosion of copper in sodium chloride solutions. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 345-354.	3.6	67

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55	Green ecofriendly bio-deinking of mixed office waste paper using various enzymes from <i>Rhizopus microsporus</i> AH3: efficiency and characteristics. <i>Cellulose</i> , 2020, 27, 4443-4453.	2.4	52
56	Synthesis and antimicrobial properties of new chitosan derivatives containing guanidinium groups. <i>Carbohydrate Polymers</i> , 2020, 241, 116363.	5.1	80
57	Immobilization of L-methionine β -lyase on different cellulosic materials and its potential application in green-selective synthesis of volatile sulfur compounds. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103870.	3.3	42
58	Green synthesis of bacterial cellulose/bioactive glass nanocomposites: Effect of glass nanoparticles on cellulose yield, biocompatibility and antimicrobial activity. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 975-985.	3.6	85
59	Green synthesis of hydrolyzed starch-chitosan nano-composite as drug delivery system to gram negative bacteria. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100252.	1.7	42
60	Cadmium oxide/TEMPO-oxidized cellulose nanocomposites produced by pulsed laser ablation in liquid environment: Synthesis, characterization, and antimicrobial activity. <i>Optics and Laser Technology</i> , 2019, 120, 105744.	2.2	90
61	Ecofriendly green conversion of potato peel wastes to high productivity bacterial cellulose. <i>Carbohydrate Polymers</i> , 2019, 211, 75-83.	5.1	134
62	Green, economic, and partially biodegradable wood plastic composites via enzymatic surface modification of lignocellulosic fibers. <i>Heliyon</i> , 2019, 5, e01332.	1.4	56
63	Nano-amino acid cellulose derivatives: Eco-synthesis, characterization, and antimicrobial properties. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 963-969.	3.6	44
64	A novel electromagnetic biodegradable nanocomposite based on cellulose, polyaniline, and cobalt ferrite nanoparticles. <i>Carbohydrate Polymers</i> , 2019, 216, 54-62.	5.1	70
65	Isolation and characterization of non-cellulolytic <i>Aspergillus flavus</i> EGYPTA5 exhibiting selective ligninolytic potential. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 160-167.	1.5	59
66	Active paper packaging material based on antimicrobial conjugated nano-polymer/amino acid as edible coating. <i>Journal of King Saud University - Science</i> , 2019, 31, 1095-1102.	1.6	49
67	Efficient treatment of rice byproducts for preparing high-performance activated carbons. <i>Journal of Cleaner Production</i> , 2019, 207, 284-295.	4.6	42
68	Green carboxymethyl cellulose-silver complex versus cellulose origins in biological activity applications. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1364-1372.	3.6	37
69	Eco-friendly cellulose nano fibers via first reported Egyptian <i>Humicola fuscoatra</i> Egyptia X4: Isolation and characterization. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 409-418.	1.7	56
70	Discovery Potent of Bagasse (CMC-L-Phe) As Bioactive Material Based on DFT Calculations. <i>Eurasian Journal of Analytical Chemistry</i> , 2018, 13, .	0.4	5
71	Properties of modified carboxymethyl cellulose and its use as bioactive compound. <i>Carbohydrate Polymers</i> , 2016, 153, 641-651.	5.1	40
72	Multifunction Ecofriendly Active Packaging Coating-Based Hybrid Polyethyleneimine/ Sr(Ti _{0.7} Fe _{0.3})(1-x)Sc _x O ₃ Nanocomposites. <i>Arabian Journal for Science and Engineering</i> , 0, , 1.	1.7	0