

Mehrez E El-Naggar

List of Publications by Year in descending order

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139
papers

6,103
citations

46918

47
h-index

88477

70
g-index

141
all docs

141
docs citations

141
times ranked

5316
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly effective antibacterial textiles containing green synthesized silver nanoparticles. Carbohydrate Polymers, 2011, 86, 936-940.	5.1	225
2	Antimicrobial wound dressing and anti-inflammatory efficacy of silver nanoparticles. International Journal of Biological Macromolecules, 2014, 65, 509-515.	3.6	222
3	Environmental synthesis of silver nanoparticles using hydroxypropyl starch and their characterization. Carbohydrate Polymers, 2011, 86, 630-635.	5.1	152
4	Surface modification of SiO ₂ coated ZnO nanoparticles for multifunctional cotton fabrics. Journal of Colloid and Interface Science, 2017, 498, 413-422.	5.0	138
5	Eco-friendly microwave-assisted green and rapid synthesis of well-stabilized gold and core-shell silver-gold nanoparticles. Carbohydrate Polymers, 2016, 136, 1128-1136.	5.1	131
6	Durable antibacterial and UV protections of in situ synthesized zinc oxide nanoparticles onto cotton fabrics. International Journal of Biological Macromolecules, 2016, 83, 426-432.	3.6	130
7	Antibacterial Activities and UV Protection of the in Situ Synthesized Titanium Oxide Nanoparticles on Cotton Fabrics. Industrial & Engineering Chemistry Research, 2016, 55, 2661-2668.	1.8	129
8	Development of multifunctional modified cotton fabric with tri-component nanoparticles of silver, copper and zinc oxide. Carbohydrate Polymers, 2019, 210, 144-156.	5.1	123
9	Nanocomposites based on chitosan/silver/clay for durable multi-functional properties of cotton fabrics. Carbohydrate Polymers, 2018, 182, 29-41.	5.1	116
10	Synthesis, drying process and medical application of polysaccharide-based aerogels. International Journal of Biological Macromolecules, 2020, 145, 1115-1128.	3.6	112
11	Ultra-Fine Characteristics of Starch Nanoparticles Prepared Using Native Starch With and Without Surfactant. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 515-524.	1.9	101
12	Antibacterial activity of silver nanoparticles synthesized In-situ by solution spraying onto cellulose. Carbohydrate Polymers, 2016, 147, 500-508.	5.1	100
13	pH-Thermosensitive hydrogel based on polyvinyl alcohol/sodium alginate/N-isopropyl acrylamide composite for treating re-infected wounds. International Journal of Biological Macromolecules, 2019, 124, 1016-1024.	3.6	100
14	Fabrication and characterization of bactericidal thiol-chitosan and chitosan iodoacetamide nanofibres. International Journal of Biological Macromolecules, 2017, 94, 96-105.	3.6	97
15	Synthesis, characterization and adsorption properties of microcrystalline cellulose based nanogel for dyes and heavy metals removal. International Journal of Biological Macromolecules, 2018, 113, 248-258.	3.6	96
16	Multifunctional properties of cotton fabrics coated with in situ synthesis of zinc oxide nanoparticles capped with date seed extract. Carbohydrate Polymers, 2018, 181, 307-316.	5.1	94
17	Synthesis, characterization, release kinetics and toxicity profile of drug-loaded starch nanoparticles. International Journal of Biological Macromolecules, 2015, 81, 718-729.	3.6	93
18	Microbial Natural Products in Drug Discovery. Processes, 2020, 8, 470.	1.3	93

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19	High-performance mixed-matrix membranes enabled by organically/inorganic modified montmorillonite for the treatment of hazardous textile wastewater. <i>Chemical Engineering Journal</i> , 2021, 405, 126964.	6.6	90
20	Curcumin-loaded PLA-PEG copolymer nanoparticles for treatment of liver inflammation in streptozotocin-induced diabetic rats. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 389-398.	2.5	89
21	Antidiabetic assessment; in vivo study of gold and core-shell silver-gold nanoparticles on streptozotocin-induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 865-875.	2.5	85
22	Curdlan in fibers as carriers of tetracycline hydrochloride: Controlled release and antibacterial activity. <i>Carbohydrate Polymers</i> , 2016, 154, 194-203.	5.1	85
23	Wound dressing properties of cationized cotton fabric treated with carrageenan/cyclodextrin hydrogel loaded with honey bee propolis extract. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 583-591.	3.6	83
24	Efficient removal of pesticides and heavy metals from wastewater and the antimicrobial activity of f-MWCNTs/PVA nanocomposite film. <i>Journal of Cleaner Production</i> , 2019, 206, 315-325.	4.6	82
25	Soil Application of Nano Silica on Maize Yield and Its Insecticidal Activity Against Some Stored Insects After the Post-Harvest. <i>Nanomaterials</i> , 2020, 10, 739.	1.9	81
26	Clean and high-throughput production of silver nanoparticles mediated by soy protein via solid state synthesis. <i>Journal of Cleaner Production</i> , 2017, 144, 501-510.	4.6	77
27	Solid state synthesis of starch-capped silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 70-76.	3.6	75
28	Methylene blue degradation under visible light of metallic nanoparticles scattered into graphene oxide using laser ablation technique in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 315, 113794.	2.3	74
29	Antimicrobial packaging film based on biodegradable CMC/PVA-zeolite doped with noble metal cations. <i>Food Packaging and Shelf Life</i> , 2019, 22, 100378.	3.3	73
30	Preparation of biocompatible system based on electrospun CMC/PVA nanofibers as controlled release carrier of diclofenac sodium. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 566-573.	1.2	72
31	Effects of Technical Textiles and Synthetic Nanofibers on Environmental Pollution. <i>Polymers</i> , 2021, 13, 155.	2.0	67
32	Recent advances in polymer/metal/metal oxide hybrid nanostructures for catalytic applications: a review. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104175.	3.3	64
33	Biocompatible zinc oxide nanocrystals stabilized via hydroxyethyl cellulose for mitigation of diabetic complications. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 748-754.	3.6	63
34	Solvent-free and one-pot synthesis of silver and zinc oxide nanoparticles: Activity toward cell membrane component and insulin signaling pathway in experimental diabetes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 76-84.	2.5	63
35	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
36	Green Electrospinning of Hydroxypropyl Cellulose Nanofibres for Drug Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 805-814.	0.9	62

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37	In-situ and ex-situ synthesis of poly-(imidazolium vanillyl)-grafted chitosan/silver nanobiocomposites for safe antibacterial finishing of cotton fabrics. <i>European Polymer Journal</i> , 2019, 116, 210-221.	2.6	62
38	Eco-friendly technology for preparation, characterization and promotion of honey bee propolis extract loaded cellulose acetate nanofibers in medical domains. <i>Cellulose</i> , 2018, 25, 5195-5204.	2.4	60
39	Wound dressing properties of functionalized environmentally biopolymer loaded with selenium nanoparticles. <i>Journal of Molecular Structure</i> , 2021, 1225, 129138.	1.8	58
40	Nanostructural Features of Silver Nanoparticles Powder Synthesized through Concurrent Formation of the Nanosized Particles of Both Starch and Silver. <i>Journal of Nanotechnology</i> , 2013, 2013, 1-10.	1.5	57
41	Effect of Au-dextran NPs as anti-tumor agent against EAC and solid tumor in mice by biochemical evaluations and histopathological investigations. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 1006-1016.	2.5	54
42	Curdlan cryogels reinforced with cellulose nanofibrils for controlled release. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5754-5761.	3.3	54
43	Laminating of chemically modified silan based nanosols for advanced functionalization of cotton textiles. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 429-437.	3.6	52
44	Bactericidal finishing of loomstate, scoured and bleached cotton fibres via sustainable in-situ synthesis of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1192-1202.	3.6	50
45	Cationic starch: Safe and economic harvesting flocculant for microalgal biomass and inhibiting <i>E. coli</i> growth. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1296-1303.	3.6	50
46	Development of antimicrobial, UV blocked and photocatalytic self-cleanable cotton fibers decorated with silver nanoparticles using silver carbamate and plasma activation. <i>Cellulose</i> , 2021, 28, 1105-1121.	2.4	50
47	Synthesis of carvacrol-based nanoemulsion for treating neurodegenerative disorders in experimental diabetes. <i>Journal of Functional Foods</i> , 2017, 37, 441-448.	1.6	49
48	Remediation of Cd(II) and reactive red 195 dye in wastewater by nanosized gels of grafted carboxymethyl cellulose. <i>Cellulose</i> , 2018, 25, 6645-6660.	2.4	49
49	Novel nano polymeric system containing biosynthesized core shell silver/silica nanoparticles for functionalization of cellulosic based material. <i>Microsystem Technologies</i> , 2016, 22, 979-992.	1.2	48
50	Enhancement the electrical conductivity of the synthesized polyvinylidene fluoride/polyvinyl chloride composite doped with palladium nanoparticles via laser ablation. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11178-11188.	2.6	48
51	Impact of high throughput green synthesized silver nanoparticles on agronomic traits of onion. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1304-1317.	3.6	47
52	Assessment of silver nanoparticles decorated starch and commercial zinc nanoparticles with respect to their genotoxicity on onion. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 1008-1018.	3.6	46
53	Immobilization of anthocyanin extract from red-cabbage into electrospun polyvinyl alcohol nanofibers for colorimetric selective detection of ferric ions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105072.	3.3	43
54	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

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55	Antibacterial carrageenan/cellulose nanocrystal system loaded with silver nanoparticles, prepared via solid-state technique. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104276.	3.3	42
56	Facile development of photochromic cellulose acetate transparent nanocomposite film immobilized with lanthanide-doped pigment: ultraviolet blocking, superhydrophobic, and antimicrobial activity. <i>Luminescence</i> , 2021, 36, 543-555.	1.5	42
57	Preparation of antibacterial film-based biopolymer embedded with vanadium oxide nanoparticles using one-pot laser ablation. <i>Journal of Molecular Structure</i> , 2021, 1225, 129163.	1.8	42
58	Solid state synthesis of docosahexaenoic acid-loaded zinc oxide nanoparticles as a potential antidiabetic agent in rats. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 1305-1314.	3.6	41
59	Utilization of High throughput microcrystalline cellulose decorated silver nanoparticles as an eco-nematicide on root-knot nematodes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110805.	2.5	41
60	Development of highly photoluminescent electrospun nanofibers for dual-mode secure authentication. <i>Ceramics International</i> , 2022, 48, 3495-3503.	2.3	40
61	Hyperbranched polymer-silver nano hybrid induce super antibacterial activity and high performance to cotton fabric. <i>Cellulose</i> , 2019, 26, 3543-3555.	2.4	39
62	Core-shell Au@Se nanoparticles embedded in cellulose acetate/polyvinylidene fluoride scaffold for wound healing. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15045-15056.	2.6	38
63	Preparation of flame-retardant, hydrophobic, ultraviolet protective, and luminescent transparent wood. <i>Luminescence</i> , 2021, 36, 1922-1932.	1.5	38
64	Synthesis of an eco-friendly nanocomposite fertilizer for common bean based on carbon nanoparticles from agricultural waste biochar. <i>Pedosphere</i> , 2021, 31, 923-933.	2.1	38
65	The efficiency of blackberry loaded AgNPs, AuNPs and Ag@AuNPs mediated pectin in the treatment of cisplatin-induced cardiotoxicity in experimental rats. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 1084-1093.	3.6	37
66	Protective effect of the functional yogurt based on Malva parviflora leaves extract nanoemulsion on acetic acid-induced ulcerative colitis in rats. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14500-14508.	2.6	35
67	Nano-bio finishing of cotton fabric with quaternized chitosan Schiff base-TiO ₂ -ZnO nanocomposites for antimicrobial and UV protection applications. <i>European Polymer Journal</i> , 2022, 166, 111040.	2.6	35
68	Effect of Ficus carica L. leaves extract loaded gold nanoparticles against cisplatin-induced acute kidney injury. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110465.	2.5	34
69	Immobilization of horseradish peroxidase on cationic microporous starch: Physico-bio-chemical characterization and removal of phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 734-742.	3.6	34
70	Encapsulation of extremely stable polyaniline onto Bio-MOF: Photo-activated antimicrobial and depletion of ciprofloxacin from aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112703.	2.0	33
71	Synthesis, antimicrobial activity, and sustainable release of novel β -aminophosphonate derivatives loaded carrageenan cryogel. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 96-107.	3.6	33
72	Curcumin nanoparticles have potential antioxidant effect and restore tetrahydrobiopterin levels in experimental diabetes. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110688.	2.5	33

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73	Cationic Starch and Polyaluminum Chloride as Coagulants for River Nile Water Treatment. Groundwater for Sustainable Development, 2020, 10, 100331.	2.3	31
74	Preparation of green and sustainable colorimetric cotton assay using natural anthocyanins for sweat sensing. International Journal of Biological Macromolecules, 2021, 190, 894-903.	3.6	31
75	Recent Advancements in Microbial Polysaccharides: Synthesis and Applications. Polymers, 2021, 13, 4136.	2.0	30
76	Ultra-microstructural features of perborate oxidized starch. Journal of Applied Polymer Science, 2014, 131, .	1.3	29
77	Development of Green and Sustainable Cellulose Acetate/Graphene Oxide Nanocomposite Films as Efficient Adsorbents for Wastewater Treatment. Polymers, 2020, 12, 2501.	2.0	29
78	Nanoemulsion of Capsicum fruit extract as an eco-friendly antimicrobial agent for production of medical bandages. Biocatalysis and Agricultural Biotechnology, 2020, 23, 101516.	1.5	28
79	Multifunctional 3D cationic starch/nanofibrillated cellulose/silver nanoparticles nanocomposite cryogel: Synthesis, adsorption, and antibacterial characteristics. International Journal of Biological Macromolecules, 2021, 189, 420-431.	3.6	28
80	Evaluation of urinary 8-hydroxy-2-deoxyguanosine level in experimental Alzheimer's disease: Impact of carvacrol nanoparticles. Molecular Biology Reports, 2019, 46, 4517-4527.	1.0	27
81	Polyaniline/zinc/aluminum nanocomposites for multifunctional smart cotton fabrics. Materials Chemistry and Physics, 2020, 249, 123210.	2.0	27
82	Medicinal impact of microalgae collected from high rate algal ponds; phytochemical and pharmacological studies of microalgae and its application in medicated bandages. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101237.	1.5	25
83	Impact of dietary zinc oxide nanoparticles on selected serum biomarkers, lipid peroxidation and tissue gene expression of antioxidant enzymes and cytokines in Japanese quail. BMC Veterinary Research, 2020, 16, 349.	0.7	25
84	Synthesis of docosahexaenoic acid-loaded silver nanoparticles for improving endothelial dysfunctions in experimental diabetes. Human and Experimental Toxicology, 2019, 38, 962-973.	1.1	22
85	Functionalization of Polystyrene Nanocomposite with Excellent Antimicrobial Efficiency for Food Packaging Application. Journal of Cluster Science, 2020, 31, 1371-1382.	1.7	22
86	Synthesis of environmentally benign antimicrobial dressing nanofibers based on polycaprolactone blended with gold nanoparticles and spearmint oil nanoemulsion. Journal of Materials Research and Technology, 2021, 15, 3447-3460.	2.6	22
87	Development of antimicrobial medical cotton fabrics using synthesized nanoemulsion of reactive cyclodextrin hosted coconut oil inclusion complex. Fibers and Polymers, 2017, 18, 1486-1495.	1.1	20
88	Production of photoluminescent transparent poly(methyl methacrylate) for smart windows. Luminescence, 2022, 37, 97-107.	1.5	20
89	Preparation of hybrid nanoparticles to enhance the electrical conductivity and performance properties of cotton fabrics. Journal of Materials Research and Technology, 2021, 12, 542-554.	2.6	19
90	Simple Development of Novel Reversible Colorimetric Thermometer Using Urea Organogel Embedded with Thermochromic Hydrazone Chromophore. Chemosensors, 2020, 8, 132.	1.8	18

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91	Synthesis and characterization of Graphene Oxide-Ammonium Ferric Sulfate composite for the removal of dyes from tannery wastewater. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1715-1727.	2.6	18
92	Synthesis of lanthanide-doped strontium aluminate nanoparticles encapsulated in polyacrylonitrile nanofibres: photoluminescence properties for anticounterfeiting applications. <i>Luminescence</i> , 2022, 37, 40-50.	1.5	18
93	Bioactive tri-component nanofibers from cellulose acetate/lignin//N-vanillidene-phenylthiazole copper-(II) complex for potential diaper dermatitis control. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 703-718.	3.6	18
94	Visible-light driven photocatalytic effectiveness for solid-state synthesis of ZnO/natural clay/TiO ₂ nanoarchitectures towards complete decolorization of methylene blue from aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100425.	1.7	17
95	Preparation of a novel acrylic fiber-based hydrogel and its utilization for the removal of aqueous lead ion. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1450-1459.	2.6	17
96	Combating atherosclerosis with targeted Diosmin nanoparticles-treated experimental diabetes. <i>Investigational New Drugs</i> , 2020, 38, 1303-1315.	1.2	16
97	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
98	Preparation and Characterization of Nanofibrous Scaffolds of Ag/Vanadate Hydroxyapatite Encapsulated into Polycaprolactone: Morphology, Mechanical, and In Vitro Cells Adhesion. <i>Polymers</i> , 2021, 13, 1327.	2.0	15
99	Thallium/vanadate co-substitutions through hydroxyapatite/polycaprolactone nanofibrous scaffolds for biomedical domains. <i>Materials Chemistry and Physics</i> , 2021, 271, 124879.	2.0	14
100	Preparation of biosensor based on triarylmethane loaded cellulose acetate xerogel for the detection of urea. <i>Materials Chemistry and Physics</i> , 2022, 276, 125377.	2.0	14
101	Homocysteine and Asymmetrical Dimethylarginine in Diabetic Rats Treated with Docosahexaenoic Acid-Loaded Zinc Oxide Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1127-1139.	1.4	13
102	Green metallochromic cellulose dipstick for Fe(III) using chitosan nanoparticles and cyanidin-based natural anthocyanins red-cabbage extract. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 269-277.	3.6	13
103	Electrospun membranes of cellulose acetate/polyvinylidene difluoride containing Au/Se nanoparticles via laser ablation technique for methylene blue degradation. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	12
104	Facile production of smart superhydrophobic nanocomposite for wood coating towards long-lasting glow-in-the-dark photoluminescence. <i>Luminescence</i> , 2021, 36, 2004-2013.	1.5	12
105	Experimental and theoretical investigations on fouling resistant cellulose acetate/SiO ₂ NPs/PEDOT ultrafiltration nanocomposite membranes. <i>Journal of Cleaner Production</i> , 2021, 324, 129288.	4.6	12
106	Microstructure, morphology and physicochemical properties of nanocomposites containing hydroxyapatite/vivianite/graphene oxide for biomedical applications. <i>Luminescence</i> , 2022, 37, 290-301.	1.5	12
107	Chemical stability, morphological behavior of Mg/Sr-hydroxyapatite@chitosan biocomposites for medical applications. <i>Journal of Materials Research and Technology</i> , 2022, 18, 681-692.	2.6	12
108	Eco-friendly Microwave Synthesis of Gold Nanoparticles for Attenuation of Brain Dysfunction in Diabetic Rats. <i>Journal of Cluster Science</i> , 2021, 32, 423-435.	1.7	11

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109	Screening for polystyrene nanoparticle toxicity on kidneys of adult male albino rats using histopathological, biochemical, and molecular examination results. <i>Cell and Tissue Research</i> , 2022, 388, 149-165.	1.5	11
110	Preparation of bactericidal zinc oxide nanoparticles loaded carboxymethyl cellulose/polyethylene glycol cryogel for gap filling of archaeological bones. <i>Journal of Materials Research and Technology</i> , 2022, 20, 114-127.	2.6	11
111	Nanoarchitectonics of Hydroxyapatite/Molybdenum Trioxide/Graphene Oxide Composite for Efficient Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 399-411.	1.9	10
112	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
113	Compositional Adjusting and Antibacterial Improvement of Hydroxyapatite/Nb ₂ O ₅ /Graphene Oxide for Medical Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2160-2172.	1.9	10
114	Synthesis of an environmentally quercetin nanoemulsion to ameliorate diabetic-induced cardiotoxicity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 33, 101983.	1.5	9
115	Improvement of enzymatic properties and decolorization of azo dye: immobilization of horseradish peroxidase on cationic maize starch. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 38, 102208.	1.5	9
116	Development of silk fibers decorated with the in situ synthesized silver and gold nanoparticles: antimicrobial activity and creatinine adsorption capacity. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 584-596.	2.9	8
117	Prophylactic effect of probiotics fortified with <i>Aloe vera</i> pulp nanoemulsion against ethanol-induced gastric ulcer. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 699-710.	1.3	8
118	Exploration of Functional Polymers for Cleaner Leather Industry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1-14.	1.9	8
119	Nanofibrous matrix of polycaprolactone embedded with zinc/vanadate doped hydroxyapatite: Mechanical and <i>in vitro</i> cellular growth. <i>Journal of Materials Research and Technology</i> , 2022, 16, 773-785.	2.6	8
120	Simultaneous removal of Pb ²⁺ and direct red 31 dye from contaminated water using N-(2-hydroxyethyl)-2-oxo-2H-chromene-3-carboxamide loaded chitosan nanoparticles. <i>RSC Advances</i> , 2022, 12, 18923-18935.	1.7	8
121	Facile preparation strategy of photochromic dual-mode authentication nanofibers by solution blowing spinning of cellulose nanowhiskers-supported polyacrylonitrile. <i>Cellulose</i> , 2022, 29, 6181-6192.	2.4	8
122	Stimulatory effect of docosahexaenoic acid alone or loaded in zinc oxide or silver nanoparticles on the expression of glucose transport pathway. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 155, 106566.	1.0	7
123	Synthesis of docosahexaenoic acid loaded zinc oxide nanoparticles as a promising treatment in neurotoxicity. <i>Comparative Clinical Pathology</i> , 2019, 28, 1455-1464.	0.3	6
124	Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity. <i>Polymers</i> , 2021, 13, 2009.	2.0	6
125	Facile modification of polycaprolactone nanofibers with hydroxyapatite doped with thallium ions for wound and mucosal healing applications. <i>Journal of Materials Research and Technology</i> , 2021, 15, 2909-2917.	2.6	6
126	Preparation of epoxy resin/rare earth doped aluminate nanocomposite toward photoluminescent and superhydrophobic transparent woods. <i>Journal of Rare Earths</i> , 2023, 41, 397-405.	2.5	6

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127	Medical applications of ternary nanocomposites based on hydroxyapatite/ytterbium oxide/graphene oxide: potential bone tissue engineering and antibacterial properties. <i>Journal of Materials Research and Technology</i> , 2022, 18, 4834-4845.	2.6	6
128	Biomedical domains of the as-prepared nanocomposite based on hydroxyapatite, bismuth trioxide and graphene oxide. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3954-3965.	2.6	6
129	Preparation of Multifunctional Plasma Cured Cellulose Fibers Coated with Photo-Induced Nanocomposite toward Self-Cleaning and Antibacterial Textiles. <i>Polymers</i> , 2021, 13, 3664.	2.0	5
130	Tailoring combinations of hydroxyapatite/cadmium selenite/graphene oxide based on their structure, morphology, and antibacterial activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 311-325.	1.9	5
131	Formulation of wheat germ oil based on nanoemulsions to mitigate cisplatin's nephrotoxic effects. <i>Prostaglandins and Other Lipid Mediators</i> , 2022, 158, 106603.	1.0	5
132	Degradation of methylene blue using copolymers Mg and Se in an hydroxyapatite composite. <i>Luminescence</i> , 2022, 37, 399-407.	1.5	5
133	Synthesis, Nanoformulations, and In Vitro Anticancer Activity of N-Substituted Side Chain Neocryptolepine Scaffolds. <i>Molecules</i> , 2022, 27, 1024.	1.7	5
134	Production of Smart Cotton-nickel Blend Fibers Using Functional Polymers Comprising Ammonium Polyphosphate and Silicone Rubber. <i>Fibers and Polymers</i> , 2022, 23, 1560-1571.	1.1	3
135	Nanocomposites based on hydroxyapatite/lithium oxide and graphene oxide nanosheets for medical applications. <i>Journal of Materials Science</i> , 2022, 57, 11300-11316.	1.7	3
136	Blocking of gastric acid induced histopathological alterations, enhancing of DNA content and proliferation of goblet cells in the acute lung injury mice models by nano-fenugreek oral administration. <i>Toxicology Mechanisms and Methods</i> , 2020, 30, 153-158.	1.3	2
137	Fabrication, microstructure characterization, and degradation performance of electrospun mats based on poly(β -hydroxybutyrate-co- β -hydroxyvalerate)/polyethylene glycol blend for potential tissue engineering. <i>Luminescence</i> , 2022, 37, 323-331.	1.5	1
138	Optimizing Graphene Oxide Encapsulated TiO ₂ and Hydroxyapatite; Structure and Biological Response. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1306.	1.9	0
139	Hibiscus Sabdariffa L. Nanoparticles Offer a Preventive Potential Against Experimental Ehrlich Solid Carcinoma. <i>Biomedical and Pharmacology Journal</i> , 2022, 15, 33-47.	0.2	0