

Mehrez E El-Naggar

List of Publications by Year in Descending Order

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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.

130
papers

3,927
citations

39
h-index

58
g-index

141
ext. papers

4,962
ext. citations

5.4
avg, IF

6.51
L-index

#	Paper	IF	Citations
130	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	4.2	0
129	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	3.2	
128	Degradation of methylene blue using Co-dopant of Mg and Se into hydroxyapatite composite.. <i>Luminescence</i> , 2022 ,	2.5	1
127	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	7.9	1
126	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	5.2	4
125	Exploration of Functional Polymers for Cleaner Leather Industry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022 , 32, 1	3.2	1
124	Preparation of biosensor based on triarylmethane loaded cellulose acetate xerogel for the detection of urea. <i>Materials Chemistry and Physics</i> , 2022 , 276, 125377	4.4	5
123	Functionalization of cotton fabrics with titanium oxide doped silver nanoparticles: Antimicrobial and UV protection activities.. <i>Luminescence</i> , 2022 ,	2.5	2
122	Hibiscus Sabdariffa L. Nanoparticles Offer a Preventive Potential Against Experimental Ehrlich Solid Carcinoma. <i>Biomedical and Pharmacology Journal</i> , 2022 , 15, 33-47	0.9	
121	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 ,	7.9	3
120	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	5.5	2
119	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	5.5	2
118	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	5.5	1
117	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	4.2	1
116	Formulation of Wheat Germ Oil Based on Nanoemulsions to Mitigate Cisplatin's Nephrotoxic Effects. <i>Prostaglandins and Other Lipid Mediators</i> , 2021 , 106603	3.7	0
115	Microstructure, morphology, Physico-chemical properties of nanocomposites containing hydroxyapatite/vivianite/graphene oxide for biomedical applications. <i>Luminescence</i> , 2021 ,	2.5	5
114	Recent Advancements in Microbial Polysaccharides: Synthesis and Applications. <i>Polymers</i> , 2021 , 13,	4.5	4

113	Nanofibrous matrix of polycaprolactone embedded with zinc/vanadate doped hydroxyapatite: mechanical and in vitro cellular growth. <i>Journal of Materials Research and Technology</i> , 2021 ,	5.5	2
112	Development of highly photoluminescent electrospun nanofibers for dual-mode secure authentication. <i>Ceramics International</i> , 2021 ,	5.1	3
111	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	10.3	4
110	Synthesis of environmentally benign antimicrobial dressing nanofibers based on polycaprolactone blended with gold nanoparticles and spearmint oil nanoemulsion. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 3447-3460	5.5	6
109	Production of photoluminescent transparent poly(methyl methacrylate) for smart windows. <i>Luminescence</i> , 2021 ,	2.5	5
108	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	6.8	19
107	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,	4.5	12
106	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	6.3	3
105	Preparation of hybrid nanoparticles to enhance the electrical conductivity and performance properties of cotton fabrics. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 542-554	5.5	8
104	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	3.3	6
103	Synthesis of an environmentally quercetin nanoemulsion to ameliorate diabetic-induced cardiotoxicity. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 33, 101983	4.2	3
102	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	5.5	8
101	Facile Synthesis of Natural Anise-Based Nanoemulsions and Their Antimicrobial Activity. <i>Polymers</i> , 2021 , 13,	4.5	4
100	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	7.9	9
99	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	3	5
98	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	5.5	28
97	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	2.5	24
96	Wound dressing properties of functionalized environmentally biopolymer loaded with selenium nanoparticles. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129138	3.4	33

95	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	3.4	17
94	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	14.7	43
93	Prophylactic effect of probiotics fortified with pulp nanoemulsion against ethanol-induced gastric ulcer. <i>Toxicology Mechanisms and Methods</i> , 2021 , 31, 699-710	3.6	2
92	Preparation of flame-retardant, hydrophobic, ultraviolet protective, and luminescent transparent wood. <i>Luminescence</i> , 2021 , 36, 1922-1932	2.5	5
91	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	3.7	5
90	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	2.7	7
89	Facile production of smart superhydrophobic nanocomposite for wood coating towards long-lasting glow-in-the-dark photoluminescence. <i>Luminescence</i> , 2021 , 36, 2004-2013	2.5	3
88	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, 2909-2909	5.5	1
87	Synthesis of lanthanide-doped strontium aluminate nanoparticles encapsulated in polyacrylonitrile nanofibres: photoluminescence properties for anticounterfeiting applications. <i>Luminescence</i> , 2021 ,	2.5	3
86	Multifunctional 3D cationic starch/nanofibrillated cellulose/silver nanoparticles nanocomposite cryogel: Synthesis, adsorption, and antibacterial characteristics. <i>International Journal of Biological Macromolecules</i> , 2021 , 189, 420-431	7.9	9
85	Thallium/vanadate co-substitutions through hydroxyapatite/polycaprolactone nanofibrous scaffolds for biomedical domains. <i>Materials Chemistry and Physics</i> , 2021 , 271, 124879	4.4	9
84	Preparation of green and sustainable colorimetric cotton assay using natural anthocyanins for sweat sensing. <i>International Journal of Biological Macromolecules</i> , 2021 , 190, 894-903	7.9	7
83	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	5	10
82	Effects of Technical Textiles and Synthetic Nanofibers on Environmental Pollution. <i>Polymers</i> , 2021 , 13,	4.5	20
81	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	5.5	16
80	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	5.5	20
79	Polyaniline/zinc/aluminum nanocomposites for multifunctional smart cotton fabrics. <i>Materials Chemistry and Physics</i> , 2020 , 249, 123210	4.4	17
78	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	4.7	23

77	Recent advances in polymer/metal/metal oxide hybrid nanostructures for catalytic applications: a review. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104175	6.8	34
76	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	6	52
75	Synthesis, antimicrobial activity, and sustainable release of novel 4-aminophosphonate derivatives loaded carrageenan cryogel. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 96-107	7.9	14
74	Impact of high throughput green synthesized silver nanoparticles on agronomic traits of onion. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 1304-1317	7.9	31
73	Nanoemulsion of Capsicum fruit extract as an eco-friendly antimicrobial agent for production of medical bandages. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 23, 101516	4.2	22
72	Combating atherosclerosis with targeted Diosmin nanoparticles-treated experimental diabetes. <i>Investigational New Drugs</i> , 2020 , 38, 1303-1315	4.3	6
71	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	6	24
70	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	3.2	10
69	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,	5.4	37
68	Microbial Natural Products in Drug Discovery. <i>Processes</i> , 2020 , 8, 470	2.9	29
67	Curcumin nanoparticles have potential antioxidant effect and restore tetrahydrobiopterin levels in experimental diabetes. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 131, 110688	7.5	12
66	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	7.9	22
65	Synthesis, drying process and medical application of polysaccharide-based aerogels. <i>International Journal of Biological Macromolecules</i> , 2020 , 145, 1115-1128	7.9	66
64	Cationic Starch and Polyaluminum Chloride as Coagulants for River Nile Water Treatment. <i>Groundwater for Sustainable Development</i> , 2020 , 10, 100331	6	22
63	Functionalization of Polystyrene Nanocomposite with Excellent Antimicrobial Efficiency for Food Packaging Application. <i>Journal of Cluster Science</i> , 2020 , 31, 1371-1382	3	13
62	Bioactive Wound Dressing Gauze Loaded with Silver Nanoparticles Mediated by Acacia Gum. <i>Journal of Cluster Science</i> , 2020 , 31, 1349-1362	3	11
61	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	7.9	34
60	Impact of dietary zinc oxide nanoparticles on selected serum biomarkers, lipid peroxidation and tissue gene expression of antioxidant enzymes and cytokines in Japanese quail. <i>BMC Veterinary Research</i> , 2020 , 16, 349	2.7	6

59	Antibacterial carrageenan/cellulose nanocrystal system loaded with silver nanoparticles, prepared via solid-state technique. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104276	6.8	26
58	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	5.5	15
57	Development of Green and Sustainable Cellulose Acetate/Graphene Oxide Nanocomposite Films as Efficient Adsorbents for Wastewater Treatment. <i>Polymers</i> , 2020 , 12,	4.5	13
56	Simple Development of Novel Reversible Colorimetric Thermometer Using Urea Organogel Embedded with Thermo-chromic Hydrazone Chromophore. <i>Chemosensors</i> , 2020 , 8, 132	4	10
55	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	3.6	2
54	Antimicrobial packaging film based on biodegradable CMC/PVA-zeolite doped with noble metal cations. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100378	8.2	48
53	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	7.9	23
52	Development of multifunctional modified cotton fabric with tri-component nanoparticles of silver, copper and zinc oxide. <i>Carbohydrate Polymers</i> , 2019 , 210, 144-156	10.3	83
51	Evaluation of urinary 8-hydroxy-2-deoxyguanosine level in experimental Alzheimer's disease: Impact of carvacrol nanoparticles. <i>Molecular Biology Reports</i> , 2019 , 46, 4517-4527	2.8	15
50	Synthesis of docosahexaenoic acid-loaded zinc oxide nanoparticles as a promising treatment in neurotoxicity. <i>Comparative Clinical Pathology</i> , 2019 , 28, 1455-1464	0.9	5
49	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	7.9	55
48	Synthesis of docosahexaenoic acid-loaded silver nanoparticles for improving endothelial dysfunctions in experimental diabetes. <i>Human and Experimental Toxicology</i> , 2019 , 38, 962-973	3.4	15
47	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	5.2	48
46	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	7.9	31
45	Hyperbranched polymer-silver nano hybrid induce super antibacterial activity and high performance to cotton fabric. <i>Cellulose</i> , 2019 , 26, 3543-3555	5.5	31
44	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	6	64
43	Medicinal impact of microalgae collected from high rate algal ponds; phytochemical and pharmacological studies of microalgae and its application in medicated bandages. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 20, 101237	4.2	16
42	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	6	19

41	pH-Thermosensitive hydrogel based on polyvinyl alcohol/sodium alginate/N-isopropyl acrylamide composite for treating re-infected wounds. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 1016-1024	7.9	63
40	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	10.3	61
39	Synthesis, characterization and adsorption properties of microcrystalline cellulose based nanogel for dyes and heavy metals removal. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 248-258	7.9	75
38	Multifunctional properties of cotton fabrics coated with in situ synthesis of zinc oxide nanoparticles capped with date seed extract. <i>Carbohydrate Polymers</i> , 2018 , 181, 307-316	10.3	70
37	Biocompatible zinc oxide nanocrystals stabilized via hydroxyethyl cellulose for mitigation of diabetic complications. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 748-754	7.9	52
36	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	7.9	43
35	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	6	47
34	Green Electrospinning of Hydroxypropyl Cellulose Nanofibres for Drug Delivery Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 805-814	1.3	47
33	Nanocomposites based on chitosan/silver/clay for durable multi-functional properties of cotton fabrics. <i>Carbohydrate Polymers</i> , 2018 , 182, 29-41	10.3	91
32	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	5.5	42
31	Cationic starch: Safe and economic harvesting flocculant for microalgal biomass and inhibiting E. coli growth. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 1296-1303	7.9	41
30	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	5.5	51
29	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	7.5	45
28	Surface modification of SiO coated ZnO nanoparticles for multifunctional cotton fabrics. <i>Journal of Colloid and Interface Science</i> , 2017 , 498, 413-422	9.3	102
27	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	10.3	68
26	Curdlan cryogels reinforced with cellulose nanofibrils for controlled release. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 5754-5761	6.8	39
25	Development of antimicrobial medical cotton fabrics using synthesized nanoemulsion of reactive cyclodextrin hosted coconut oil inclusion complex. <i>Fibers and Polymers</i> , 2017 , 18, 1486-1495	2	18
24	Synthesis of carvacrol-based nanoemulsion for treating neurodegenerative disorders in experimental diabetes. <i>Journal of Functional Foods</i> , 2017 , 37, 441-448	5.1	34

23	Laminating of chemically modified silan based nanosols for advanced functionalization of cotton textiles. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 429-437	7.9	43
22	Fabrication and characterization of bactericidal thiol-chitosan and chitosan iodoacetamide nanofibres. <i>International Journal of Biological Macromolecules</i> , 2017 , 94, 96-105	7.9	75
21	Eco-friendly microwave-assisted green and rapid synthesis of well-stabilized gold and core-shell silver-gold nanoparticles. <i>Carbohydrate Polymers</i> , 2016 , 136, 1128-36	10.3	107
20	Curdlan in fibers as carriers of tetracycline hydrochloride: Controlled release and antibacterial activity. <i>Carbohydrate Polymers</i> , 2016 , 154, 194-203	10.3	72
19	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	2.2	56
18	Solid state synthesis of starch-capped silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2016 , 87, 70-6	7.9	62
17	Antibacterial Activities and UV Protection of the in Situ Synthesized Titanium Oxide Nanoparticles on Cotton Fabrics. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2661-2668	3.9	96
16	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	1.7	36
15	Durable antibacterial and UV protections of in situ synthesized zinc oxide nanoparticles onto cotton fabrics. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 426-32	7.9	106
14	Antibacterial activity of silver nanoparticles synthesized In-situ by solution spraying onto cellulose. <i>Carbohydrate Polymers</i> , 2016 , 147, 500-508	10.3	83
13	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	7.5	66
12	Synthesis, characterization, release kinetics and toxicity profile of drug-loaded starch nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 718-29	7.9	74
11	Antimicrobial wound dressing and anti-inflammatory efficacy of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2014 , 65, 509-15	7.9	175
10	Ultra-microstructural features of perborate oxidized starch. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	27
9	Ultra-Fine Characteristics of Starch Nanoparticles Prepared Using Native Starch With and Without Surfactant. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014 , 24, 515-524	3.2	81
8	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	3.5	43
7	Environmental synthesis of silver nanoparticles using hydroxypropyl starch and their characterization. <i>Carbohydrate Polymers</i> , 2011 , 86, 630-635	10.3	134
6	Highly effective antibacterial textiles containing green synthesized silver nanoparticles. <i>Carbohydrate Polymers</i> , 2011 , 86, 936-940	10.3	192

5	Nanoarchitectonics of Hydroxyapatite/Molybdenum Trioxide/Graphene Oxide Composite for Efficient Antibacterial Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3-2	3
4	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> ,1	4-5	3
3	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> ,1	3-2	1
2	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> ,1	3-2	1
1	Production of Smart Cotton-nickel Blend Fibers Using Functional Polymers Comprising Ammonium Polyphosphate and Silicone Rubber. <i>Fibers and Polymers</i> ,1	2	0