T I Shaheen, Th I Shaheen, Tharwat I Shaheen

List of Publications by Citations

44 papers	2,178 citations	28 h-index	44 g-index
44 ext. papers	2,646 ext. citations	5.5 avg, IF	5.88 L-index

#	Paper	IF	Citations
44	Antimicrobial effect of silver nanoparticles produced by fungal process on cotton fabrics. *Carbohydrate Polymers*, **2010**, 80, 779-782	10.3	169
43	In-Vitro cytotoxicity, antibacterial, and UV protection properties of the biosynthesized Zinc oxide nanoparticles for medical textile applications. *Microbial Pathogenesis*, **2018**, 125, 252-261	3.8	130
42	Eco-friendly microwave-assisted green and rapid synthesis of well-stabilized gold and core-shell silver-gold nanoparticles. *Carbohydrate Polymers*, **2016**, 136, 1128-36	10.3	107
41	Bio-synthesis and applications of silver nanoparticles onto cotton fabrics. *Carbohydrate Polymers*, **2012**, 90, 915-20	10.3	107
40	Durable antibacterial and UV protections of in situ synthesized zinc oxide nanoparticles onto cotton fabrics. *International Journal of Biological Macromolecules*, **2016**, 83, 426-32	7.9	106
39	Surface modification of SiO coated ZnO nanoparticles for multifunctional cotton fabrics. *Journal of Colloid and Interface Science*, **2017**, 498, 413-422	9.3	102
38	Thermal responsive hydrogels based on semi interpenetrating network of poly(NIPAm) and cellulose nanowhiskers. *Carbohydrate Polymers*, **2014**, 102, 159-66	10.3	97
37	Antibacterial Activities and UV Protection of the in Situ Synthesized Titanium Oxide Nanoparticles on Cotton Fabrics. *Industrial & Engineering Chemistry Research*, **2016**, 55, 2661-2668	3.9	96
36	Fungal strain impacts the shape, bioactivity and multifunctional properties of green synthesized zinc oxide nanoparticles. *Biocatalysis and Agricultural Biotechnology*, **2019**, 19, 101103	4.2	94
35	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	7.9	75
34	Sono-chemical synthesis of cellulose nanocrystals from wood sawdust using Acid hydrolysis. *International Journal of Biological Macromolecules*, **2018**, 107, 1599-1606	7.9	74
33	Bactericidal and In-Vitro Cytotoxic Efficacy of Silver Nanoparticles (Ag-NPs) Fabricated by Endophytic Actinomycetes and Their Use as Coating for the Textile Fabrics. *Nanomaterials*, **2020**, 10,	5.4	74
32	Antidiabetic assessment; in vivo study of gold and core-shell silver-gold nanoparticles on streptozotocin-induced diabetic rats. *Biomedicine and Pharmacotherapy*, **2016**, 83, 865-875	7.5	66
31	Antibacterial, Cytotoxicity and Larvicidal Activity of Green Synthesized Selenium Nanoparticles Using Penicillium corylophilum. *Journal of Cluster Science*, **2021**, 32, 351-361	3	64
30	Solid state synthesis of starch-capped silver nanoparticles. *International Journal of Biological Macromolecules*, **2016**, 87, 70-6	7.9	62
29	Endophytic Mediated Green Synthesis of Ag-NPs with Antibacterial and Anticancer Properties for Developing Functional Textile Fabric Properties. *Antibiotics*, **2020**, 9,	4.9	60
28	Optimization of green biosynthesized visible light active CuO/ZnO nano-photocatalysts for the degradation of organic methylene blue dye. *Heliyon*, **2020**, 6, e04896	3.6	59

27	Effect of cellulose nanocrystals on scaffolds comprising chitosan, alginate and hydroxyapatite for bone tissue engineering. *International Journal of Biological Macromolecules*, **2019**, 121, 814-821	7.9	57
26	Advancement in conductive cotton fabrics through in situ polymerization of polypyrrole-nanocellulose composites. *Carbohydrate Polymers*, **2016**, 151, 96-102	10.3	55
25	Facile Development of Photoluminescent Textile Fabric via Spray Coating of Eu(II)-Doped Strontium Aluminate. *Industrial & Engineering Chemistry Research*, **2018**, 57, 11483-11492	3.9	50
24	Green approach for one-pot synthesis of silver nanorod using cellulose nanocrystal and their cytotoxicity and antibacterial assessment. *International Journal of Biological Macromolecules*, **2018**, 106, 784-792	7.9	50
23	Integration of Cotton Fabrics with Biosynthesized CuO Nanoparticles for Bactericidal Activity in the Terms of Their Cytotoxicity Assessment. *Industrial & Engineering Chemistry Research*, **2021**, 60, 1553-1563	3.9	47
22	Laminating of chemically modified silan based nanosols for advanced functionalization of cotton textiles. *International Journal of Biological Macromolecules*, **2017**, 95, 429-437	7.9	43
21	In-situ green myco-synthesis of silver nanoparticles onto cotton fabrics for broad spectrum antimicrobial activity. *International Journal of Biological Macromolecules*, **2018**, 118, 2121-2130	7.9	42
20	Remediation of Cd(II) and reactive red 195 dye in wastewater by nanosized gels of grafted carboxymethyl cellulose. *Cellulose*, **2018**, 25, 6645-6660	5.5	42
19	A New Facile Strategy for Multifunctional Textiles Development through In Situ Deposition of SiO2/TiO2 Nanosols Hybrid. *Industrial & Engineering Chemistry Research*, **2019**, 58, 20203-20212	3.9	38
18	Novel nano polymeric system containing biosynthesized core shell silver/silica nanoparticles for functionalization of cellulosic based material. *Microsystem Technologies*, **2016**, 22, 979-992	1.7	36
17	Development of cellulose nanowhisker-polyacrylamide copolymer as a highly functional precursor in the synthesis of nanometal particles for conductive textiles. *Cellulose*, **2014**, 21, 3055-3071	5.5	34
16	Investigation into the Role of Surface Modification of Cellulose Nanocrystals with Succinic Anhydride in Dye Removal. *Journal of Polymers and the Environment*, **2019**, 27, 2419-2427	4.5	27
15	Enhancing of cotton fabric antibacterial properties by silver nanoparticles synthesized by new Egyptian strain Fusarium keratoplasticum A1-3.. *Egyptian Journal of Chemistry*, **2017**, 60, 4-7	2	25
14	Radically new cellulose nanocomposite hydrogels: Temperature and pH responsive characters. *International Journal of Biological Macromolecules*, **2015**, 81, 356-61	7.9	23
13	Nanosized carbamoylethylated cellulose as novel precursor for preparation of metal nanoparticles. *Fibers and Polymers*, **2015**, 16, 276-284	2	19
12	High performance fabrics via innovative reinforcement route using cellulose nanoparticles. *Journal of the Textile Institute*, **2018**, 109, 186-194	1.5	15
11	Design of a dual pH and temperature responsive hydrogel based on esterified cellulose nanocrystals for potential drug release.. *Carbohydrate Polymers*, **2022**, 278, 118925	10.3	8
10	Current Advances in Fungal Nanobiotechnology: Mycofabrication and Applications. *Materials Horizons*, **2021**, 113-143	0.6	7

9	Silver Nanoparticles: Biosynthesis, Characterization and Application on Cotton Fabrics. *Microbiology Research Journal International*, **2017**, 20, 1-14	0.8	5
8	Production and sequential optimization of Bacillus subtilis MF467279 pullulanase by statistical experimental designs and evaluation of its desizing efficiency. *Biocatalysis and Agricultural Biotechnology*, **2018**, 14, 375-385	4.2	3
7	Formulation of re-dispersible dry o/w emulsions using cellulose nanocrystals decorated with metal/metal oxide nanoparticles.. *RSC Advances*, **2021**, 11, 32143-32151	3.7	3
6	Nanotechnology for modern textiles: highlights on smart applications. *Journal of the Textile Institute*,1-11	1.5	3
5	Benign Production of AgNPs/Bacterial Nanocellulose for Wound Healing Dress: Antioxidant, Cytotoxicity and In Vitro Studies. *Journal of Cluster Science*,1	3	2
4	In vivo assessment of the durable, green and in situ bio-functional cotton fabrics based carboxymethyl chitosan nanohybrid for wound healing application.. *International Journal of Biological Macromolecules*, **2022**,	7.9	1
3	Unary and binary adsorption of anionic dye and toxic metal from wastewater using 3-aminopropyltriethoxysilane functionalized porous cellulose acetate microspheres. *Microporous and Mesoporous Materials*, **2022**, 111996	5.3	1
2	Size-tunable effect of CaCO/nanocellulose hybrid composites on the removal of paracetamol from aqueous solution.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	0
1	Facile extraction of nanosized -glucans from edible mushrooms and their antitumor activities. *Journal of Food Composition and Analysis*, **2022**, 104607	4.1	0