

Mohamed Rehan

List of Publications by Citations

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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.

38

papers

1,558

citations

26

h-index

38

g-index

38

ext. papers

1,840

ext. citations

6.3

avg, IF

5.46

L-index

#	Paper	IF	Citations
38	Effect of cationic and anionic surfactants on the application of calcium carbonate nanoparticles in paper coating. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2734-44	9.5	101
37	Production of antibacterial colored viscose fibers using in situ prepared spherical Ag nanoparticles. <i>Carbohydrate Polymers</i> , 2014 , 110, 148-55	10.3	96
36	Multi-functional textile design using in-situ Ag NPs incorporation into natural fabric matrix. <i>Dyes and Pigments</i> , 2015 , 118, 9-17	4.6	93
35	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
34	Figuration of Zr-based MOF@cotton fabric composite for potential kidney application. <i>Carbohydrate Polymers</i> , 2018 , 195, 460-467	10.3	79
33	Towards multifunctional cellulosic fabric: UV photo-reduction and in-situ synthesis of silver nanoparticles into cellulose fabrics. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 877-886	7.9	68
32	Smart textile framework: Photochromic and fluorescent cellulosic fabric printed by strontium aluminate pigment. <i>Carbohydrate Polymers</i> , 2018 , 195, 143-152	10.3	66
31	Large scaled strategy for natural/synthetic fabrics functionalization via immediate assembly of AgNPs. <i>Dyes and Pigments</i> , 2016 , 133, 173-183	4.6	65
30	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
29	Nanosilver leverage on reactive dyeing of cellulose fibers: Color shading, color fastness and biocidal potentials. <i>Carbohydrate Polymers</i> , 2018 , 186, 310-320	10.3	62
28	Repellency of controlled-release treated cotton fabrics based on cypermethrin and prallethrin. <i>Carbohydrate Polymers</i> , 2008 , 73, 92-97	10.3	60
27	Textile dyeing industry: environmental impacts and remediation. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 3803-3818	5.1	55
26	Facile Development of Photoluminescent Textile Fabric via Spray Coating of Eu(II)-Doped Strontium Aluminate. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11483-11492	3.9	50
25	Development of Ag/AgX (X = Cl, I) nanoparticles toward antimicrobial, UV-protected and self-cleanable viscose fibers. <i>Carbohydrate Polymers</i> , 2018 , 197, 227-236	10.3	42
24	Colored, photocatalytic, antimicrobial and UV-protected viscose fibers decorated with Ag/Ag ₂ CO ₃ and Ag/Ag ₃ PO ₄ nanoparticles. <i>Cellulose</i> , 2019 , 26, 5437-5453	5.5	41
23	Design of multi-functional cotton gauze with antimicrobial and drug delivery properties. <i>Materials Science and Engineering C</i> , 2017 , 80, 29-37	8.3	39
22	Novel halochromic cellulose nanowhiskers from rice straw: Visual detection of urea. <i>Carbohydrate Polymers</i> , 2020 , 231, 115740	10.3	37

21	Green and Sustainable Encapsulation of Guava Leaf Extracts (<i>Psidium guajava</i> L.) into Alginate/Starch Microcapsules for Multifunctional Finish over Cotton Gauze. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18612-18623	8.3	36
20	Seed-Mediated Hot-Injection Synthesis of Tiny Ag Nanocrystals on Nanoscale Solid Supports and Reaction Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10551-61	9.5	35
19	Fabrication of PAN-TCF-hydrazone nanofibers by solution blowing spinning technique: Naked-eye colorimetric sensor. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2515-2523	6.8	34
18	Extraction of Valuable Compounds from Orange Peel Waste for Advanced Functionalization of Cellulosic Surfaces. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5911-5928	8.3	33
17	Enhancement of photocatalytic self-cleaning activity and antimicrobial properties of poly(ethylene terephthalate) fabrics. <i>Surface and Coatings Technology</i> , 2013 , 219, 50-58	4.4	29
16	Development of multifunctional polyacrylonitrile/silver nanocomposite films: Antimicrobial activity, catalytic activity, electrical conductivity, UV protection and SERS-active sensor. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 9380-9394	5.5	28
15	Plasma activation toward multi-stimuli responsive cotton fabric via in situ development of polyaniline derivatives and silver nanoparticles. <i>Cellulose</i> , 2020 , 27, 2913-2926	5.5	28
14	Designing strategy for coating cotton gauze fabrics and its application in wound healing. <i>Carbohydrate Polymers</i> , 2020 , 244, 116479	10.3	27
13	Microwave-heating for in-situ Ag NPs preparation into viscose fibers. <i>European Polymer Journal</i> , 2017 , 86, 68-84	5.2	27
12	Multifunctional Hydroxyapatite/Silver Nanoparticles/Cotton Gauze for Antimicrobial and Biomedical Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	24
11	Influence of silver nanoparticles on the fabrics functions prepared by in-situ technique. <i>Journal of the Textile Institute</i> , 2017 , 108, 1828-1839	1.5	23
10	Grafting of acrylic acid onto flax fibers using Mn(IV)-citric acid redox system. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3028-3036	2.9	21
9	Facile and environmental benign in situ synthesis of silver nanoparticles for multifunctionalization of wool fibers. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 29054-29069	5.1	20
8	Repellency of controlled-release treated-cotton fabrics based on permethrin and bioallethrin against mosquitoes. <i>Journal of the Textile Institute</i> , 2009 , 100, 695-701	1.5	18
7	Single Bath Full Bleaching of Flax Fibers Using an Activated Sodium Chlorite/Hexamethylene Tetramine System. <i>Journal of Natural Fibers</i> , 2005 , 2, 49-67	1.8	16
6	Selective Colorimetric Detection of Fe (III) Using Metallochromic Tannin-Impregnated Silica Strips. <i>ChemistrySelect</i> , 2018 , 3, 12065-12071	1.8	16
5	Phytochemicals and volatile compounds of peanut red skin extract: simultaneous coloration and in situ synthesis of silver nanoparticles for multifunctional viscose fibers. <i>Cellulose</i> , 2020 , 27, 9893-9912	5.5	12
4	Enhancement of multifunctional properties of leather surface decorated with silver nanoparticles (Ag NPs). <i>Journal of Molecular Structure</i> , 2021 , 1234, 130130	3.4	9

3	β-Cyclodextrin assisted simultaneous preparation and dyeing acid dyes onto cotton fabric. <i>Reactive and Functional Polymers</i> , 2020 , 151, 104573	4.6	7
2	Functionalization of Unbleached Flax Fibers by Direct Integration of Nano-silver through Internal and External Reduction. <i>Fibers and Polymers</i> ,1	2	4
1	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