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List of Publications by Year in Descending Order

36 papers	2,244 citations	24 h-index	36 g-index
36 ext. papers	2,433 ext. citations	6.5 avg, IF	4.99 L-index

#	Paper	IF	Citations
36	High performance fabrics via innovative reinforcement route using cellulose nanoparticles. *Journal of the Textile Institute*, **2018**, 109, 186-194	1.5	15
35	Development of antimicrobial medical cotton fabrics using synthesized nanoemulsion of reactive cyclodextrin hosted coconut oil inclusion complex. *Fibers and Polymers*, **2017**, 18, 1486-1495	2	18
34	Solid state synthesis of starch-capped silver nanoparticles. *International Journal of Biological Macromolecules*, **2016**, 87, 70-6	7.9	62
33	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
32	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
31	Advancement in conductive cotton fabrics through in situ polymerization of polypyrrole-nanocellulose composites. *Carbohydrate Polymers*, **2016**, 151, 96-102	10.3	55
30	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
29	Nanosized carbamoylethylated cellulose as novel precursor for preparation of metal nanoparticles. *Fibers and Polymers*, **2015**, 16, 276-284	2	19
28	Radically new cellulose nanocomposite hydrogels: Temperature and pH responsive characters. *International Journal of Biological Macromolecules*, **2015**, 81, 356-61	7.9	23
27	Synthesis, characterization, release kinetics and toxicity profile of drug-loaded starch nanoparticles. *International Journal of Biological Macromolecules*, **2015**, 81, 718-29	7.9	74
26	Antimicrobial wound dressing and anti-inflammatory efficacy of silver nanoparticles. *International Journal of Biological Macromolecules*, **2014**, 65, 509-15	7.9	175
25	Development of improved nanosilver-based antibacterial textiles via synthesis of versatile chemically modified cotton fabrics. *Carbohydrate Polymers*, **2014**, 113, 455-62	10.3	19
24	Thermal responsive hydrogels based on semi interpenetrating network of poly(NIPAm) and cellulose nanowhiskers. *Carbohydrate Polymers*, **2014**, 102, 159-66	10.3	97
23	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
22	Ultra-microstructural features of perborate oxidized starch. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	27
21	New textiles of biocidal activity by introduce insecticide in cotton-poly (GMA) copolymer containing Cd. *Carbohydrate Polymers*, **2014**, 99, 208-17	10.3	18
20	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	3.2	81

19	Synthesis and characterization of novel carboxymethylcellulose hydrogels and carboxymethylcellulolse-hydrogel-ZnO-nanocomposites. *Carbohydrate Polymers*, **2013**, 95, 421-7	10.3	106
18	Nanostructural Features of Silver Nanoparticles Powder Synthesized through Concurrent Formation of the Nanosized Particles of Both Starch and Silver. *Journal of Nanotechnology*, **2013**, 2013, 1-10	3.5	43
17	Bio-synthesis and applications of silver nanoparticles onto cotton fabrics. *Carbohydrate Polymers*, **2012**, 90, 915-20	10.3	107
16	Green synthesis of easy care and antimicrobial cotton fabrics. *Carbohydrate Polymers*, **2011**, 86, 1684-1691	10.3	63
15	Novel precursors for green synthesis and application of silver nanoparticles in the realm of cotton finishing. *Carbohydrate Polymers*, **2011**, 84, 605-613	10.3	71
14	Environmental synthesis of silver nanoparticles using hydroxypropyl starch and their characterization. *Carbohydrate Polymers*, **2011**, 86, 630-635	10.3	134
13	Highly effective antibacterial textiles containing green synthesized silver nanoparticles. *Carbohydrate Polymers*, **2011**, 86, 936-940	10.3	192
12	Synthesis of carboxymethyl cellulose (CMC) and starch-based hybrids and their applications in flocculation and sizing. *Carbohydrate Polymers*, **2010**, 79, 60-69	10.3	98
11	Antimicrobial effect of silver nanoparticles produced by fungal process on cotton fabrics. *Carbohydrate Polymers*, **2010**, 80, 779-782	10.3	169
10	Behaviour of Chemically Modified Cellulose towards Some Reactive Dyes. *Coloration Technology*, **2008**, 90, 352-357		9
9	Preparation of durable insect repellent cotton fabric: Limonene as insecticide. *Carbohydrate Polymers*, **2008**, 74, 268-273	10.3	91
8	Synthesis and Characterization of Poly(Acrylic Acid) and Poly(Glycidyl Methacrylate) Chitosan Graft Copolymers and Their Application to Cotton Fabric. *Polymer-Plastics Technology and Engineering*, **2005**, 44, 427-445		4
7	Cellulose thiocarbonate-ferric nitrate redox system induced graft copolymerization of vinyl monomers on to cotton fabric. *Polymer Degradation and Stability*, **1993**, 42, 223-230	4.7	11
6	Factors Affecting the Technological Properties of Starch Carbamate. *Starch/Staerke*, **1991**, 43, 273-280	2.3	11
5	Chemical modification of starch. II. Cyanoethylation. *Journal of Applied Polymer Science*, **1981**, 26, 171-176	2.9	31
4	Graft Copolymerization of Vinyl Monomers on Modified Cotton: Part V: Grafting to Crosslinked Cellulose. *Textile Reseach Journal*, **1972**, 42, 10-13	1.7	9
3	Graft copolymerization of vinyl monomers on modified cottons *European Polymer Journal*, **1970**, 6, 1575-1586	5.2	28
2	Molecular Weight and Moisture Regain of Polyacrylonitrile Cellulose Graft Copolymers. *Textile Reseach Journal*, **1969**, 39, 99-100	1.7	20

1 Cerium-initiated grafting of acrylonitrile onto cellulosic materials. *Journal of Applied Polymer Science*, **1968**, 12, 1625-1647 2.9 62