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In Situ Synthesis of Silver Nanoparticles for Ag-NP/Cotton Nanocomposite and Its Bactericidal Effect

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Journal of the Chinese Chemical Society, 2017, 64, 1286-1293.

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#	Paper	IF	Citations
18	Study on antibacterial finishing of cotton fabric with silver nanoparticles stabilized by nanoliposomes. <i>Cellulose</i> , 2018 , 25, 5443-5454	5.5	14
17	Antimicrobial Efficacy of Low Concentration PVP-Silver Nanoparticles Deposited on DBD Plasma-Treated Polyamide 6,6 Fabric. <i>Coatings</i> , 2019 , 9, 581	2.9	16
16	Functional akund fibres by loading of carbon dots through an in-situ method. <i>Applied Surface Science</i> , 2019 , 495, 143574	6.7	
15	Toward a comprehensive understanding of textiles functionalized with silver nanoparticles. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 793-814	1.5	14
14	One-pot fabrication of durable antibacterial cotton fabric coated with silver nanoparticles via carboxymethyl chitosan as a binder and stabilizer. <i>Carbohydrate Polymers</i> , 2019 , 204, 42-49	10.3	71
13	Single step green process for the preparation of antimicrobial nanotextiles by wet chemical and sonochemical methods. <i>Journal of the Textile Institute</i> , 2020 , 111, 1380-1388	1.5	10
12	Antioxidant, Antimicrobial and Antiviral Properties of Herbal Materials. <i>Antioxidants</i> , 2020 , 9,	7.1	57
11	Electrospun Nano-Fibers for Biomedical and Tissue Engineering Applications: A Comprehensive Review. <i>Materials</i> , 2020 , 13,	3.5	55
10	Strawberry-like SiO/Ag nanocomposites immersed filter paper as SERS substrate for acrylamide detection. <i>Food Chemistry</i> , 2020 , 328, 127106	8.5	18
9	Synthesis and characterization of cotton-silver-graphene quantum dots (cotton/Ag/GQDs) nanocomposite as a new antibacterial nanopad. <i>Chemosphere</i> , 2021 , 267, 129293	8.4	14
8	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021 , 272, 128607	8.4	21
7	Breathable nonwoven hygienic products. 2021 , 397-420		
6	Changes of color and antibacterial characteristics of knitted fabrics dyed with reactive dyes after treatment with a nanocomposition of silver and carboxymethyl starch. <i>Textile Reseach Journal</i> , 004051752110505	1.7	
5	Recent advances in polymers and polymer composites for food packaging. <i>Materials Today</i> , 2022 ,	21.8	2
4	The limitations of natural resources in the use of medical and protective textiles. 2022 , 175-196		
3	Cellulosic textile/clove nanocomposite as an antimicrobial wound dressing: In vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 217, 112659	6	1
2	A review on active packaging for quality and safety of foods: Current trends, applications, prospects and challenges. <i>Food Packaging and Shelf Life</i> , 2022 , 33, 100913	8.2	4

1 MXene-intercalated montmorillonite nanocomposites for long-acting antibacterial. **2023**, 616, 156521

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