

Hang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

456
citations

686830

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times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly approaches for dyeing multiple type of fabrics with cationic reactive dyes. <i>Journal of Cleaner Production</i> , 2017, 165, 1499-1507.	4.6	65
2	Antimicrobial finishing of wool fabrics with quaternary aminopyridinium salts. <i>Journal of Applied Polymer Science</i> , 2007, 103, 482-486.	1.3	46
3	Synthesis and characterization of antimicrobial cationic surfactants: Aminopyridinium salts. <i>Journal of Surfactants and Detergents</i> , 2006, 9, 325-330.	1.0	36
4	Thermal properties of epoxy resins crosslinked by an aminated lignin. <i>Polymer Engineering and Science</i> , 2015, 55, 924-932.	1.5	31
5	Anti-ultraviolet treatment by functionalizing cationized cotton with TiO ₂ nano-sol and reactive dye. <i>Textile Research Journal</i> , 2015, 85, 449-457.	1.1	29
6	An antimicrobial cationic reactive dye: Synthesis and applications on cellulosic fibers. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1917-1923.	1.3	26
7	Dyeing and functional finishing of cotton fabric using Henna extract and TiO ₂ Nano-sol. <i>Fibers and Polymers</i> , 2015, 16, 1303-1311.	1.1	21
8	Synthesis and applications of vegetable oil-based fluorocarbon water repellent agents on cotton fabrics. <i>Carbohydrate Polymers</i> , 2012, 89, 193-198.	5.1	17
9	A novel DDPSi-FR flame retardant treatment and its effects on the properties of wool fabrics. <i>Fibers and Polymers</i> , 2017, 18, 2196-2203.	1.1	17
10	One-Bath Union Dyeing of Wool/Acrylic Blend Fabric with Cationic Reactive Dyes Based on Azobenzene. <i>Fibers and Polymers</i> , 2018, 19, 331-339.	1.1	17
11	The thermal decomposition and heat release properties of the nylon/cotton, polyester/cotton and Nomex/cotton blend fabrics. <i>Textile Research Journal</i> , 2016, 86, 1859-1868.	1.1	16
12	Preparation of novel chitosan derivatives and applications in functional finishing of textiles. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 971-976.	3.6	16
13	Synthesis of a low-molecular-weight copolymer by maleic acid and acrylic acid and its application for the functional modification of cellulose. <i>Cellulose</i> , 2020, 27, 5665-5675.	2.4	16
14	Effects of parameters of the shell formation process on the performance of microencapsulated phase change materials based on melamine-formaldehyde. <i>Textile Research Journal</i> , 2017, 87, 1848-1859.	1.1	15
15	Bifunctional Microcapsules with n-Octadecane/Thyme Oil Core and Polyurea Shell for High-Efficiency Thermal Energy Storage and Antibiosis. <i>Polymers</i> , 2020, 12, 2226.	2.0	13
16	Rapid Preparation of Activated Carbon Fiber Felt under Microwaves: Pore Structures, Adsorption of Tetracycline in Water, and Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 146-153.	1.8	11
17	Polyester fabrics coated with cupric hydroxide and cellulose for the treatment of kitchen oily wastewater. <i>Chemosphere</i> , 2022, 302, 134840.	4.2	10
18	A Feasible Method Applied to One-Bath Process of Wool/Acrylic Blended Fabrics with Novel Heterocyclic Reactive Dyes and Application Properties of Dyed Textiles. <i>Polymers</i> , 2020, 12, 285.	2.0	9

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19	Antimicrobial finishing of cellulose with incorporation of aminopyridinium salts to reactive and direct dyed fabrics. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2634-2639.	1.3	8
20	A feasible approach for enhancing union dyeing of wool/acrylic blend fabrics with heterobifunctional cationic reactive dyes. <i>Textile Reseach Journal</i> , 2019, 89, 5085-5095.	1.1	6
21	Dyeing Properties of Polyoxymethylene Fibers with Disperse Dyes. <i>Fibers and Polymers</i> , 2019, 20, 1436-1442.	1.1	5
22	Preparation of Flexible Substrate Electrode for Supercapacitor With High-Performance MnO ₂ Stalagmite Nanorod Arrays. <i>Frontiers in Chemistry</i> , 2019, 7, 338.	1.8	5
23	An eco-friendly method based on the self-glue effect of keratins for preparing Fe ₃ O ₄ coated wool. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49179.	1.3	5
24	High strength retention of cellulose fibers crosslinking with synthesized low-molecular-weight copolymers of itaconic acid and acrylic acid. <i>Cellulose</i> , 2021, 28, 1167-1178.	2.4	5
25	Design of Novel Reactive Dyes Containing Cationic Groups: Mechanism and Application for Environmentally Friendly Cotton Dyeing. <i>Fibers and Polymers</i> , 2020, 21, 2848-2860.	1.1	4
26	Designing Unidirectional Moisture Transport Fabric Based on PA/CA Membrane Fabricated by Electrospinning. <i>Fibers and Polymers</i> , 2021, 22, 2404-2412.	1.1	3
27	Fabrication of the light and perspiration stability enhancer for the reactive azo dyes based on amino silicon oil containing zinc oxide nanoparticles. <i>Micro and Nano Letters</i> , 2017, 12, 58-63.	0.6	1
28	Preparation of multiple-reactive-site and flexible crosslinking agent with transaconitic acid and acrylic acid and its application for three-dimensional crosslinking of cellulose. <i>Textile Reseach Journal</i> , 0, , 004051752110678.	1.1	1
29	Evaluation of crosslinking effect of different polycarboxylic acids with cellulose by acid-base titration and anti-wrinkle performance. <i>Cellulose</i> , 2022, 29, 4229-4241.	2.4	1
30	Facile in Situ Growth of Cu(OH) ₂ on Cotton Fabric for Oil/Water Separation. <i>Journal of Natural Fibers</i> , 2022, 19, 13180-13191.	1.7	1