

Xiang Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of a Cleavable Vanillin-Based Polyoxyethylene Surfactant and Its Pilot Application in Cotton Fabric Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5494-5500.	3.2	8
2	Metal compounds as catalysts in the intumescent flame retardant system for polyethylene terephthalate fabrics. <i>Textile Research Journal</i> , 2019, 89, 2983-2997.	1.1	16
3	Exploring the underwater air-retaining ability and thermal insulating effect of terry fabrics inspired by <i>Salvinia molesta</i> . <i>Textile Research Journal</i> , 2019, 89, 2859-2869.	1.1	8
4	Computing solubility parameters of phosphorous flame retardants by molecular dynamics and correlating their interactions with poly(ethylene terephthalate). <i>Textile Research Journal</i> , 2019, 89, 195-203.	1.1	1
5	Fabrication of a superhydrophobic surface with underwater air-retaining properties by electrostatic flocking. <i>RSC Advances</i> , 2018, 8, 10719-10726.	1.7	18
6	Improving Application Performance of in situ Polymerization and Crosslinking System of Maleic Acid/Itaconic Acid for Cotton Fabric. <i>Fibers and Polymers</i> , 2018, 19, 281-288.	1.1	8
7	Probing polarity of flame retardants and correlating with interaction between flame retardants and PET fiber. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 343-350.	5.0	13
8	An effective flame retardant for poly(ethylene terephthalate) synthesized by phosphaphenanthrene and cyclotriphosphazene. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45246.	1.3	44
9	Spectrophotometric colour matching algorithm for top dyed melange yarn, based on an artificial neural network. <i>Coloration Technology</i> , 2017, 133, 341-346.	0.7	19
10	Construction of hydrophobic surfaces on polyvinylidene fluoride film and cotton fabric using perfluorohexane functionalized carbon nanotubes and graphene oxide. <i>Textile Research Journal</i> , 2017, 87, 2005-2017.	1.1	8
11	Spectrophotometric prediction of pre-colored fiber blends with a hybrid model based on artificial neural network and Stearns's Noechel model. <i>Textile Research Journal</i> , 2017, 87, 296-304.	1.1	28
12	Flame retardant performance of a carbon source containing DOPO derivative in PET and epoxy. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	26
13	A novel analysis of color component for top dyed melange yarn with support vector machine. <i>Color Research and Application</i> , 2016, 41, 636-641.	0.8	12
14	Effect of liquid ammonia treatment on the pore structure of mercerized cotton and its uptake of reactive dyes. <i>Textile Research Journal</i> , 2016, 86, 1625-1636.	1.1	16
15	Synthesis of 2, 3-dibromo-succinic anhydride and application on cotton, polyester and polyester/cotton blended fabric. <i>Textile Research Journal</i> , 2016, 86, 1585-1596.	1.1	8
16	In-situ growth of silica nanoparticles on cellulose and application of hierarchical structure in biomimetic hydrophobicity. <i>Cellulose</i> , 2010, 17, 1103-1113.	2.4	35
17	Properties of silk fibers modified with diethylene glycol dimethacrylate. <i>Journal of Applied Polymer Science</i> , 2006, 102, 424-428.	1.3	19