

Xiang Zhou

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Properties of silk fibers modified with diethylene glycol dimethacrylate. <i>Journal of Applied Polymer Science</i> , 2006, 102, 424-428. | 1.3 | 19 |
| 6 | 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 |
| 7 | Fabrication of a superhydrophobic surface with underwater air-retaining properties by electrostatic flocking. <i>RSC Advances</i> , 2018, 8, 10719-10726. | 1.7 | 18 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |