

Changhai Xu

List of Publications by Year in descending order

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429
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Encapsulation of C.I. Pigment blue 15:3 using a polymerizable dispersant via emulsion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 68-74. | 2.3 | 46 |
| 2 | A critical reinvestigation of the TAED-activated peroxide system for low-temperature bleaching of cotton. <i>Carbohydrate Polymers</i> , 2013, 92, 249-253. | 5.1 | 41 |
| 3 | The TAED/H ₂ O ₂ /NaHCO ₃ system as an approach to low-temperature and near-neutral pH bleaching of cotton. <i>Carbohydrate Polymers</i> , 2013, 95, 107-113. | 5.1 | 35 |
| 4 | Modification of microcrystalline cellulose with pyridone derivatives for removal of cationic dyes from aqueous solutions. <i>Cellulose</i> , 2016, 23, 2917-2927. | 2.4 | 32 |
| 5 | Establishment of an activated peroxide system for low-temperature cotton bleaching using N-[4-(triethylammoniomethyl)benzoyl]butyrolactam chloride. <i>Carbohydrate Polymers</i> , 2015, 119, 71-77. | 5.1 | 31 |
| 6 | Activated peroxide bleaching of regenerated bamboo fiber using a butyrolactam-based cationic bleach activator. <i>Cellulose</i> , 2010, 17, 339-347. | 2.4 | 28 |
| 7 | Preparation of a cellulosic adsorbent by functionalization with pyridone diacid for removal of Pb(II) and Co(II) from aqueous solutions. <i>Cellulose</i> , 2017, 24, 5615-5624. | 2.4 | 27 |
| 8 | Extraction of natural dyes from <i>Alpinia blepharocalyx</i> K. Schum. for dyeing of silk fabric. <i>Coloration Technology</i> , 2013, 129, 32-38. | 0.7 | 24 |
| 9 | A Review of Chitosan Textile Applications. <i>AATCC Journal of Research</i> , 2019, 6, 8-14. | 0.3 | 23 |
| 10 | Bleaching cellulosic fibers via pre-sorption of N-[4-(triethylammoniomethyl)-benzoyl]-butyrolactam chloride. <i>Cellulose</i> , 2010, 17, 849-857. | 2.4 | 22 |
| 11 | Analysis of factors affecting the performance of activated peroxide systems on bleaching of cotton fabric. <i>Cellulose</i> , 2015, 22, 1379-1388. | 2.4 | 20 |
| 12 | An eco-friendly way to whiten yellowish anti-wrinkle cotton fabrics using TBCC-activated peroxide low-temperature post-bleaching. <i>Cellulose</i> , 2019, 26, 3575-3588. | 2.4 | 20 |
| 13 | Preparation of a Novel Colorant with Branched Poly(styrene- <i>alt</i> -maleic anhydride) for Textile Printing. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 10007-10014. | 1.8 | 16 |
| 14 | Properties of lyocell spinning solution with the addition of carbon black/latex composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 428, 1-8. | 2.3 | 15 |
| 15 | X-ray photoelectron spectroscopy analysis of cotton treated with the TBCC/H ₂ O ₂ /NaHCO ₃ system. <i>Textile Research Journal</i> , 2014, 84, 2149-2156. | 1.1 | 14 |
| 16 | Synthesis of N-[4-(dimethylalkylammoniomethyl) benzoyl]caprolactam chlorides as cationic bleach activators for low-temperature bleaching of cotton fabric under near-neutral pH conditions. <i>Coloration Technology</i> , 2014, 130, 432-436. | 0.7 | 14 |
| 17 | Performance modelling of the TBCC-activated peroxide system for low-temperature bleaching of cotton using response surface methodology. <i>Cellulose</i> , 2015, 22, 3491-3499. | 2.4 | 14 |
| 18 | Recognizing a limitation of the TBLC-activated peroxide system on low-temperature cotton bleaching. <i>Carbohydrate Polymers</i> , 2016, 140, 1-5. | 5.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Enhancing the Dyeability of Polyimide Fibers with the Assistance of Swelling Agents. <i>Materials</i> , 2019, 12, 347. | 1.3 | 13 |
| 20 | Preparation of nanoscale azo pigment yellow 13/poly(styrene- <i>co</i> -maleic acid) composite dispersions via free-radical precipitation polymerization. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1929-1934. | 1.3 | 12 |
| 21 | Pilot-plant investigation on low-temperature bleaching of cotton fabric with TBCC-activated peroxide system. <i>Cellulose</i> , 2017, 24, 2647-2655. | 2.4 | 12 |
| 22 | Whitening citric acid treated cotton fabrics by a TBCC-activated peroxide post-bleaching. <i>Cellulose</i> , 2020, 27, 5367-5376. | 2.4 | 12 |
| 23 | Regenerated cellulose fibers spun-dyed with carbon black/latex composite dispersion. <i>Carbohydrate Polymers</i> , 2014, 101, 905-911. | 5.1 | 9 |
| 24 | Establishing a Rapid Pad-Steam Process for Bleaching of Cotton Fabric with an Activated Peroxide System. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8599-8603. | 3.2 | 9 |
| 25 | Trichromatic Dyeing of Polyimide Fiber Using Its Inherent Color as a Yellow Component. <i>Fibers and Polymers</i> , 2020, 21, 1783-1789. | 1.1 | 9 |
| 26 | Improving the hydrophobicity of nylon fabric by consecutive treatment with poly(acrylic acid), tetraethylorthosilicate, and octadecylamine. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 8 |
| 27 | Superhydrophobic and oleophobic textiles with hierarchical micro-nano structure constructed by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 820-829. | 1.1 | 8 |
| 28 | Synthesis and application of hybrid waterborne polyurethane/acrylate dispersion with diol grafting agent containing carbon-carbon double bond. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51681. | 1.3 | 7 |
| 29 | A nonlinear isotherm model for sorption of anionic dyes on cellulose fibers: A case study. <i>Carbohydrate Polymers</i> , 2014, 102, 808-812. | 5.1 | 6 |
| 30 | Prediction of depth of shade of a dyed polyester fabric based on fibre fineness and fabric structure. <i>Coloration Technology</i> , 2009, 125, 296-303. | 0.7 | 5 |
| 31 | Nonlinear modeling of equilibrium sorption of selected anionic adsorbates from aqueous solutions on cellulosic substrates. Part 1: model development. <i>Cellulose</i> , 2012, 19, 615-625. | 2.4 | 5 |
| 32 | Nonlinear modeling of equilibrium sorption of selected anionic adsorbates from aqueous solutions on cellulosic substrates: part 2: experimental validation. <i>Cellulose</i> , 2012, 19, 627-633. | 2.4 | 5 |
| 33 | Preparation of SiO ₂ /PSSS dispersion for formulation of white inkjet ink. <i>Polymer Bulletin</i> , 2015, 72, 963-975. | 1.7 | 5 |
| 34 | Preparation of a Nanoscale Color Index Pigment Orange 13/Styrene-Maleic Acid Copolymer Composite Dispersion for Ink Jet Printing. <i>Journal of Imaging Science and Technology</i> , 2010, 54, 010505. | 0.3 | 4 |
| 35 | Preparation of Hydrophobic Nylon Fabric. <i>Journal of Engineered Fibers and Fabrics</i> , 2016, 11, 155892501601100. | 0.5 | 4 |
| 36 | Preparation of an associative thickener for digital printing of nylon carpet. <i>Pigment and Resin Technology</i> , 2019, 48, 216-222. | 0.5 | 4 |

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|----|---|-----|-----------|
| 37 | Combination of Surfactant Action with Peroxide Activation for Room-Temperature Cleaning of Textiles. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 357-364. | 1.0 | 4 |
| 38 | Establishment of a color tolerance for yarn-dyed fabrics from different color-depth yarns. <i>Color Research and Application</i> , 2022, 47, 225-235. | 0.8 | 4 |
| 39 | Interaction of N-methylformanilide with high-performance polyimide fibre and its effect on dyeing. <i>Coloration Technology</i> , 2022, 138, 407-416. | 0.7 | 4 |
| 40 | Fabrication of fluoride-free water repellency cotton fabrics with water-borne polyurethane/acrylate dispersion. <i>Journal of the Textile Institute</i> , 0, , 1-8. | 1.0 | 4 |
| 41 | Macrocyclic pyridone pentamer-modified polystyrene nanofiber for selective metal ion removal from aqueous solution. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1462-1468. | 0.8 | 3 |
| 42 | Reactions in Activated Peroxide Systems and their Influences on Bleaching Performance. <i>Mini-Reviews in Organic Chemistry</i> , 2021, 18, 836-840. | 0.6 | 3 |
| 43 | Properties of copper phthalocyanine blue encapsulated with a copolymer of styrene and maleic acid. <i>Journal of Applied Polymer Science</i> , 2010, 117, 211-215. | 1.3 | 2 |
| 44 | Effects of Process Conditions on Properties of Nanoscale Organic Pigment Encapsulated by Poly(styrene-maleic acid) Dispersion. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 617-621. | 1.3 | 2 |
| 45 | Effects of alkali on properties of nanoscale 2,9 dimethyl quinacridone/poly(styrene-maleic acid) composite dispersion. <i>Journal of Applied Polymer Science</i> , 2010, 115, 526-531. | 1.3 | 1 |
| 46 | Synthesis of benzothiazole-azo disperse dyes for high resistance to alkaline treatments and peroxide bleaching. <i>Pigment and Resin Technology</i> , 2022, 51, 186-193. | 0.5 | 1 |
| 47 | Plasma deposition for antimicrobial finishing of cellulosic textiles. <i>Journal of the Textile Institute</i> , 2022, 113, 2515-2522. | 1.0 | 1 |
| 48 | Image-Based Analysis of Seed Coat Fragments in Cotton Fabrics. <i>AATCC Journal of Research</i> , 2016, 3, 14-20. | 0.3 | 0 |
| 49 | Color difference of yarn-dyed fabrics woven from warp and weft yarns in different color depths. <i>Pigment and Resin Technology</i> , 2024, 53, 28-35. | 0.5 | 0 |