

Zhenyun Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

538
citations

840776

11
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

393
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Designing flexible, smart and self-sustainable supercapacitors for portable/wearable electronics: from conductive polymers. <i>Chemical Society Reviews</i> , 2021, 50, 12702-12743. | 38.1 | 227 |
| 2 | Preparation of smart and reversible wettability cellulose fabrics for oil/water separation using a facile and economical method. <i>Carbohydrate Polymers</i> , 2018, 200, 63-71. | 10.2 | 57 |
| 3 | An effective surface modification of polyester fabrics for improving the interfacial deposition of polypyrrole layer. <i>Materials Chemistry and Physics</i> , 2018, 203, 89-96. | 4.0 | 29 |
| 4 | Transparent and stretchable high-output triboelectric nanogenerator for high-efficiency self-charging energy storage systems. <i>Nano Energy</i> , 2021, 87, 106210. | 16.0 | 28 |
| 5 | Multi-walled carbon nanotubes functionalized silk fabrics for mechanical sensors and heating materials. <i>Materials and Design</i> , 2020, 191, 108636. | 7.0 | 25 |
| 6 | Surface micro-dissolve method of imparting self-cleaning property to cotton fabrics in NaOH/urea aqueous solution. <i>Applied Surface Science</i> , 2017, 400, 524-529. | 6.1 | 24 |
| 7 | Enhancement in electrical conductive property of polypyrrole-coated cotton fabrics using cationic surfactant. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 2.6 | 23 |
| 8 | Surface micro-dissolution of ramie fabrics with NaOH/urea to eliminate hairiness. <i>Cellulose</i> , 2017, 24, 5251-5259. | 4.9 | 17 |
| 9 | Antistatic silk fabric through sericin swelling-fixing treatment with aminated carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 226, 72-77. | 3.5 | 16 |
| 10 | Ultrasound assisted surface micro-dissolution to embed nano TiO ₂ on cotton fabrics in ZnCl ₂ aqueous solution. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 160-166. | 8.2 | 14 |
| 11 | Preparation of magnetic cotton fabric by surface micro-dissolution treatment. <i>Cellulose</i> , 2017, 24, 1099-1106. | 4.9 | 12 |
| 12 | Fabrication of special wettability functionalized Mg(OH) ₂ @cotton fabric for oil/water mixtures and emulsions separation. <i>Cellulose</i> , 2020, 27, 7739-7749. | 4.9 | 12 |
| 13 | Magnetic silk fabrics through swelling-fixing method with Fe ₃ O ₄ nanoparticles. <i>Surface and Coatings Technology</i> , 2018, 342, 23-28. | 4.8 | 10 |
| 14 | Creation of polyaniline-coated polyester fabrics with conductive, electrothermal and energy-storage properties via micro-dissolution method. <i>Materials Today Communications</i> , 2020, 24, 101042. | 1.9 | 10 |
| 15 | Polyester fabrics coated with cupric hydroxide and cellulose for the treatment of kitchen oily wastewater. <i>Chemosphere</i> , 2022, 302, 134840. | 8.2 | 10 |
| 16 | Fabrication of magnetic cotton fabrics using surface micro-dissolving technology in ZnCl ₂ aqueous solution. <i>Cellulose</i> , 2018, 25, 1437-1447. | 4.9 | 8 |
| 17 | Surface micro-dissolve treatment of cotton fabrics with sodium hydroxide/urea to impart crease-resistance properties. <i>Textile Research Journal</i> , 2018, 88, 1671-1676. | 2.2 | 5 |
| 18 | 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. | 2.6 | 5 |

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|----|---|-----|-----------|
| 19 | Durable and flexible PET-based bending sensor obtained by immobilizing carbon nanotubes via surface micro-dissolution for body motion monitoring. <i>Macromolecular Materials and Engineering</i> , 0, , 2100502. | 3.6 | 5 |
| 20 | 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. | 3.1 | 1 |
| 21 | Influence of Oxidant on Electrical Properties of the Polypyrrole-Coated Cotton Fabrics. <i>Key Engineering Materials</i> , 0, 735, 158-163. | 0.4 | 0 |