

Shixiong Zhai

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

302
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1162367

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1199166

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229
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposited CuS nanosheets on carbonized cotton fabric as flexible supercapacitor electrode for high energy storage. <i>Electrochimica Acta</i> , 2019, 295, 668-676.	2.6	81
2	A novel high performance flexible supercapacitor based on porous carbonized cotton/ZnO nanoparticle/CuS micro-sphere. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124025.	2.3	49
3	Synthesis of zinc sulfide/copper sulfide/porous carbonized cotton nanocomposites for flexible supercapacitor and recyclable photocatalysis with high performance. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 306-316.	5.0	43
4	In-situ growth of flower-like CuS microsphere on carbonized cotton for high-performance flexible supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 75-83.	2.3	37
5	Abundant Canadian pine with polysulfide redox mediating ZnS/CuS nanocomposite to attain high-capacity lithium sulfur battery. <i>Carbon</i> , 2022, 195, 253-262.	5.4	26
6	A multifunctional antifog, antifrost, and self-cleaning zwitterionic polymer coating based on poly(SBMA-co-AA). <i>Journal of Coatings Technology Research</i> , 2020, 17, 765-776.	1.2	17
7	Cationic cotton modified by 3-chloro-2-hydroxypropyl trimethyl ammonium chloride for salt-free dyeing with high levelling performance. <i>Cellulose</i> , 2022, 29, 633-646.	2.4	16
8	One-pot solvothermal synthesis of lotus-leaf like Ni ₇ S ₆ /CoNi ₂ S ₄ hybrid on carbon fabric toward comprehensive high-performance flexible non-enzymatic glucose sensor and supercapacitor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2988-2997.	2.7	13
9	Environment-Friendly High-Efficiency Continuous Pad Dyeing of Non-Shrinkable Wool Fabric by the Silicon Fixation Method without Auxiliary Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3557-3566.	3.2	8
10	The fabrication of flexible wearable electrodes based on a carbon nanotubes/nickel/nickelous hydroxide ternary composite by facile single-side printing technology. <i>Dalton Transactions</i> , 2021, 50, 12860-12869.	1.6	5
11	Preparation of cationic viscose and its salt-free dyeing using reactive dye. <i>Coloration Technology</i> , 2022, 138, 378-387.	0.7	5
12	Design and preparation of mixed special wettability fabrics based on backed weave for separation of light oil/water/heavy oil mixtures. <i>Journal of Industrial Textiles</i> , 2022, 51, 1312-1329.	1.1	2