

Chao Sun

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

601
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818
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#	ARTICLE	IF	CITATIONS
1	High-Performance Laminated Fabric with Enhanced Photothermal Conversion and Joule Heating Effect for Personal Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8851-8862.	4.0	100
2	Potentiostatically synthesized flexible polypyrrole/multi-wall carbon nanotube/cotton fabric electrodes for supercapacitors. <i>Cellulose</i> , 2016, 23, 637-648.	2.4	63
3	Combined effect of nitrogen and oxygen heteroatoms and micropores of porous carbon frameworks from Schiff-base networks on their high supercapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1621-1629.	5.2	59
4	High-performance all-solid-state supercapacitor derived from PPy coated carbonized silk fabric. <i>Applied Surface Science</i> , 2019, 473, 967-975.	3.1	54
5	Wearable Solid-State Supercapacitors Operating at High Working Voltage with a Flexible Nanocomposite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25905-25914.	4.0	46
6	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
7	Flexible and recyclable SERS substrate fabricated by decorated TiO ₂ film with Ag NPs on the cotton fabric. <i>Cellulose</i> , 2019, 26, 2689-2697.	2.4	32
8	A flexible carbon electrode based on traditional cotton woven fabrics with excellent capacitance. <i>Journal of Materials Science</i> , 2017, 52, 9773-9779.	1.7	28
9	Low-Voltage Electrical Heater Based on One-Step Fabrication of Conductive Cu Nanowire Networks for Application in Wearable Devices. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001695.	1.9	26
10	A dyeing-induced heteroatom-co-doped route toward flexible carbon electrode derived from silk fabric. <i>Journal of Materials Science</i> , 2018, 53, 7735-7743.	1.7	19
11	Transglutaminase treatment for improving wool fabric properties. <i>Fibers and Polymers</i> , 2009, 10, 787-790.	1.1	16
12	Carrier-Free and Low-Temperature Ultradeep Dyeing of Poly(ethylene terephthalate) Copolyester Modified with Sodium-5-sulfo-bis(hydroxyethyl)-isophthalate and 2-Methyl-1,3-propanediol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3285-3291.	3.2	16
13	Facile fabrication of freestanding three-dimensional composites for supercapacitors. <i>Chemical Communications</i> , 2016, 52, 2691-2694.	2.2	13
14	Free-standing carbon electrode materials with three-dimensional hierarchically porous structure derived from waste dyed silk fabrics. <i>Materials Research Bulletin</i> , 2018, 107, 355-360.	2.7	13
15	Ag-coated nylon fabrics as flexible substrates for surface-enhanced Raman scattering swabbing applications. <i>Journal of Materials Research</i> , 2020, 35, 1271-1278.	1.2	12
16	Self-Assembly of Colloidal Photonic Crystals of PS@PNIPAM Nanoparticles and Temperature-Responsive Tunable Fluorescence. <i>Journal of Fluorescence</i> , 2016, 26, 2303-2310.	1.3	10
17	Fluorescence Sensor Performance of a New Fluorescein Derivate: [2-Morpholine-4-(6-chlorine-1,3,5-triazine)-amino]fluorescein. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2703-2709.		9
18	Flexible self-standing carbon fabric electrode prepared by using simple route for wearable applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1554-1565.	1.1	7

#	ARTICLE	IF	CITATIONS
19	A Novel Method to Fabricate Nitrogen and Oxygen Co-Doped Flexible Cotton-Based Electrode for Wearable Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 4049-4058.	1.7	6
20	The fabrication of hierarchically porous carbon-coated nickel oxide nanomaterials with enhanced electrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20641-20653.	1.1	5
21	Chemically and Physically Modified Flame-Retardant Silicone-Acrylic Emulsion Adhesive for Electrostatic Flocking. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4342-4349.	1.9	5
22	A New Smart Surface-Enhanced Raman Scattering Sensor Based on pH-Responsive Polyacryloyl Hydrazine Capped Ag Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 490.	3.1	4
23	Tunable photonic crystals-enhanced fluorescence by an assembly approach of polyelectrolyte interlayer. <i>Journal of Materials Science</i> , 2018, 53, 4840-4847.	1.7	4
24	Environmental method for preparation of higher color strength dyeing cotton fabrics with colored nanosilica pigment. <i>Cellulose</i> , 2021, 28, 10675-10688.	2.4	4
25	Tunable metal-enhanced fluorescence by pH-responsive polyacryloyl hydrazide capped Ag nanoparticles. <i>RSC Advances</i> , 2017, 7, 6358-6363.	1.7	3
26	Recyclable SERS Substrate with Coral-like Nano Ag/ZnO Structure Based on Cotton Fabric Used for In-situ Detection of Pesticides. <i>Fibers and Polymers</i> , 2022, 23, 636-643.	1.1	3
27	The preparation of antibacterial eco-friendly bio-based PTT-based β -cyclodextrin by complexation of copper and zinc ions. <i>Textile Research Journal</i> , 0, , 004051752110138.	1.1	1