

Jingxin Zhao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. <i>Nano Letters</i> , 2017, 17, 2719-2726.	4.5	281
2	Constructing Ultrahigh-Capacity Zinc@Nickel@Cobalt Oxide@Ni(OH) ₂ Core@Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. <i>Nano Letters</i> , 2017, 17, 7552-7560.	4.5	231
3	MOF for template-directed growth of well-oriented nanowire hybrid arrays on carbon nanotube fibers for wearable electronics integrated with triboelectric nanogenerators. <i>Nano Energy</i> , 2018, 45, 420-431.	8.2	158
4	3D Printing Fiber Electrodes for an All-Fiber Integrated Electronic Device via Hybridization of an Asymmetric Supercapacitor and a Temperature Sensor. <i>Advanced Science</i> , 2018, 5, 1801114.	5.6	120
5	Highly Sensitive Wearable Pressure Sensors Based on Three-Scale Nested Wrinkling Microstructures of Polypyrrole Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25811-25818.	4.0	115
6	Light-Boosting Highly Sensitive Pressure Sensors Based on Bioinspired Multiscale Surface Structures. <i>Advanced Functional Materials</i> , 2020, 30, 1907091.	7.8	97
7	Direct coherent multi-ink printing of fabric supercapacitors. <i>Science Advances</i> , 2021, 7, .	4.7	95
8	Direct Ink Writing of Adjustable Electrochemical Energy Storage Device with High Gravimetric Energy Densities. <i>Advanced Functional Materials</i> , 2019, 29, 1900809.	7.8	94
9	High-performance flexible all-solid-state aqueous rechargeable Zn@MnO ₂ microbatteries integrated with wearable pressure sensors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14594-14601.	5.2	91
10	An all-solid-state, lightweight, and flexible asymmetric supercapacitor based on cabbage-like ZnCo ₂ O ₄ and porous VN nanowires electrode materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6928-6936.	5.2	81
11	Constructing hierarchical dandelion-like molybdenum@nickel@cobalt ternary oxide nanowire arrays on carbon nanotube fiber for high-performance wearable fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21153-21160.	5.2	63
12	Facile synthesis of hierarchical porous manganese nickel cobalt sulfide nanotube arrays with enhanced electrochemical performance for ultrahigh energy density fiber-shaped asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8030-8038.	5.2	62
13	Hierarchical ferric-cobalt-nickel ternary oxide nanowire arrays supported on graphene fibers as high-performance electrodes for flexible asymmetric supercapacitors. <i>Nano Research</i> , 2018, 11, 1775-1786.	5.8	55
14	Bioinspired Fabrication of Free-Standing Conducting Films with Hierarchical Surface Wrinkling Patterns. <i>ACS Nano</i> , 2016, 10, 3801-3808.	7.3	46
15	All-printed solid-state substrate-versatile and high-performance micro-supercapacitors for in situ fabricated transferable and wearable energy storage via multi-material 3D printing. <i>Journal of Power Sources</i> , 2018, 403, 109-117.	4.0	45
16	Printable Ink Design towards Customizable Miniaturized Energy Storage Devices. , 2020, 2, 1041-1056.		45
17	All-Optical Reversible Azo-Based Wrinkling Patterns with High Aspect Ratio and Polarization-Independent Orientation for Light-Responsive Soft Photonics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25595-25604.	4.0	41
18	Duplex printing of all-in-one integrated electronic devices for temperature monitoring. <i>Journal of Materials Chemistry A</i> , 2019, 7, 972-978.	5.2	40

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19	In Situ Generation of Photosensitive Silver Halide for Improving the Conductivity of Electrically Conductive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29047-29054.	4.0	39
20	Regulating zinc electroplating chemistry to achieve high energy coaxial fiber Zn ion supercapacitor for self-powered textile-based monitoring system. <i>Nano Energy</i> , 2022, 93, 106893.	8.2	36
21	All-Solid-State Fiber-Shaped Asymmetric Supercapacitors with Ultrahigh Energy Density Based on Porous Vanadium Nitride Nanowires and Ultrathin Ni(OH) ₂ Nanosheet Wrapped NiCo ₂ O ₄ Nanowires Arrays Electrode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 985-993.	1.5	31
22	Fully Solar-Powered Uninterrupted Overall Water-Splitting Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1808889.	7.8	24
23	Simple and Versatile Strategy to Prevent Surface Wrinkling by Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19127-19134.	4.0	23
24	A strong Lewis acid imparts high ionic conductivity and interfacial stability to polymer composite electrolytes towards all-solid-state Li-metal batteries. <i>Science China Materials</i> , 2022, 65, 2179-2188.	3.5	21
25	Electrochemical Anion-Exchanged synthesis of porous Ni/Co hydroxide nanosheets for Ultrahigh-Capacitance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 256-263.	5.0	19
26	Fiber-Shaped Electrochemical Capacitors Based on Plasma-Engraved Graphene Fibers with Oxygen Vacancies for Alternating Current Line Filtering Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 993-999.	2.5	16
27	Light-Modulated Surface Micropatterns with Multifunctional Surface Properties on Photodegradable Polymer Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37402-37410.	4.0	14
28	Self-Supported Crack-Free Conducting Polymer Films with Stabilized Wrinkling Patterns and Their Applications. <i>Scientific Reports</i> , 2016, 6, 36686.	1.6	11
29	Determinative Surface-Wrinkling Microstructures on Polypyrrole Films by Laser Writing. <i>Langmuir</i> , 2018, 34, 4793-4802.	1.6	11
30	Surface treatment-assisted switchable transfer printing on polydimethylsiloxane films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3467-3476.	2.7	8
31	Synergism of Self-Wrinkling and Ultrasonic Cleaning to Fabricate Hierarchically Patterned Conducting Films. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800905.	1.9	5
32	Path-Guided Hierarchical Surface Relief Gratings on Azo-Films Induced by Polarized Light Illumination through Surface-Wrinkling Phase Mask. <i>Langmuir</i> , 2020, 36, 2837-2846.	1.6	5