

Xuliang Fan

List of Publications by Year in descending order

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16
papers

403
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933447

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581
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#	ARTICLE	IF	CITATIONS
1	A general polymer-assisted strategy enables unexpected efficient metal-free oxygen-evolution catalysis on pure carbon nanotubes. <i>Energy and Environmental Science</i> , 2017, 10, 2312-2317.	30.8	113
2	MoC Quantum Dots@N-Doped-Carbon for Low-Cost and Efficient Hydrogen Evolution Reaction: From Electrocatalysis to Photocatalysis. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	51
3	Ultrahigh energy fiber-shaped supercapacitors based on porous hollow conductive polymer composite fiber electrodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12250-12258.	10.3	45
4	A general dissolution-recrystallization strategy to achieve sulfur-encapsulated carbon for an advanced lithium-sulfur battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11664-11669.	10.3	38
5	Two-in-one integrated sulfur cathode with multifunctional multiwalled carbon nanotube/polyacrylic acid film for high-performance lithium sulfur batteries. <i>Applied Surface Science</i> , 2021, 541, 148497.	6.1	27
6	Boosting the polysulfides adsorption-catalysis process on carbon nanotube interlayer via a simple polyelectrolyte-assisted strategy for high-performance lithium sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162556.	5.5	25
7	Constructing crosslinked lithium polyacrylate/polyvinyl alcohol complex binder for high performance sulfur cathode in lithium-sulfur batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125870.	4.7	16
8	SnS nanoparticles anchored on nitrogen-doped carbon sheets derived from metal-organic-framework precursors as anodes with enhanced electrochemical sodium ions storage. <i>Electrochimica Acta</i> , 2021, 387, 138535.	5.2	16
9	Easy encapsulation of Sn ₄ P ₃ nanoparticles into honeycomb-like nitrogen-doped carbon matrix with enhanced electrochemical performance for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159531.	5.5	16
10	Electrochemical performance of microdisc-shaped carbon-coated lithium iron phosphate with preferentially exposed (010) planes in lithium sulfate aqueous solution. <i>Electrochimica Acta</i> , 2015, 158, 342-347.	5.2	11
11	Oxygen-defective MnO ₂ decorated carbon nanotube as an effective sulfur host for high performance lithium sulfur battery. <i>Advanced Powder Technology</i> , 2022, 33, 103396.	4.1	11
12	Long-Life and High-Power Binder-Free Cathode Based on One-Step Synthesis of Radical Polymers with Multi-Pendant Groups. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800195.	3.9	10
13	Constructing a LiPAA interface layer: a new strategy to suppress polysulfide migration and facilitate Li ⁺ transport for high-performance flexible Li-S batteries. <i>Nanotechnology</i> , 2020, 31, 095401.	2.6	9
14	A multi-functional model based on confined assembly of polyaniline on the surface of multiwalled carbon nanotubes as framework for high-performance lithium-sulfur battery. <i>Electrochimica Acta</i> , 2022, 415, 140267.	5.2	6
15	One-step electrochemical exfoliation-deposition of MnO ₂ anchoring on graphite nanosheets as an effective host material for high-performance sulfur cathode. <i>Ionics</i> , 2020, 26, 5279-5286.	2.4	5
16	Ionic liquid modified mesoporous silica (SAB-15) as an effective polysulfide reservoir for high-performance lithium sulfur batteries. <i>Advanced Powder Technology</i> , 2022, 33, 103530.	4.1	4