

Yanchen Fan

List of Publications by Year in descending order

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21
papers

991
citations

858243

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799663

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docs citations

21
times ranked

2198
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenery-inspired nanoengineering of bamboo-like hierarchical porous nanotubes with spatially organized bifunctionalities for synergistic photothermal catalytic CO ₂ fixation. Journal of Materials Chemistry A, 2022, 10, 12418-12428.	5.2	18
2	Altering polythiophene derivative substrates to explore the mechanism of heterogeneous lithium nucleation for dendrite-free lithium metal anodes. Journal of Energy Chemistry, 2021, 59, 63-68.	7.1	13
3	Ultralight hard carbon nanotubes nanofiber foam/epoxy nanocomposites for comprehensive microwave absorption performance. Polymer Composites, 2021, 42, 4673-4683.	2.3	8
4	Interface effect on promoting reversible conversion for Na ₂ Se in the metal selenide as sodium ion batteries. Journal of Energy Chemistry, 2020, 44, 8-12.	7.1	9
5	2D-layered Sn/Ge anodes for lithium-ion batteries with high capacity and ultra-fast Li ion diffusivity. Journal of Energy Chemistry, 2020, 47, 160-165.	7.1	19
6	Building Fast Diffusion Channel by Constructing Metal Sulfide/Metal Selenide Heterostructures for High-Performance Sodium Ion Batteries Anode. Nano Letters, 2020, 20, 6199-6205.	4.5	149
7	Ni-Co-Based Nanowire Arrays with Hierarchical Core-Shell Structure Electrodes for High-Performance Supercapacitors. ACS Applied Energy Materials, 2020, 3, 7580-7587.	2.5	11
8	Scalable fabrication of rechargeable photoactive cellulose nanofibrous membranes for efficient degradation of dyes. Cellulose, 2020, 27, 5285-5296.	2.4	10
9	Modeling and theoretical design of next-generation lithium metal batteries. Energy Storage Materials, 2019, 16, 169-193.	9.5	67
10	Rational design of graphitic-inorganic Bi-layer artificial SEI for stable lithium metal anode. Energy Storage Materials, 2019, 16, 426-433.	9.5	85
11	Tunable magnetic order in transition metal doped, layered, and anisotropic B_iO_2 : Competition between exchange interaction mechanisms. Physical Review B, 2019, 100, ...	1.1	8
12	Elaboration of Aggregated Polysulfide Phases: From Molecules to Large Clusters and Solid Phases. Nano Letters, 2019, 19, 7487-7493.	4.5	12
13	Catalytic Effect on CO ₂ Electroreduction by Hydroxyl-Terminated Two-Dimensional MXenes. ACS Applied Materials & Interfaces, 2019, 11, 36571-36579.	4.0	94
14	Altering polythiophene derivative substrates to control the electrodeposition morphology of Au particles toward ultrafine nanoparticles. Chemical Communications, 2019, 55, 12088-12091.	2.2	2
15	Doped Graphene-Regional Nucleation Mechanism for Dendrite-Free Lithium Metal Anodes. Advanced Energy Materials, 2019, 9, 1804000.	10.2	74
16	Theoretical investigation of lithium ions TM nucleation performance on metal-doped Cu surfaces. Journal of Energy Chemistry, 2019, 39, 160-169.	7.1	20
17	Elastic Ag-anchored N-doped graphene/carbon foam for the selective electrochemical reduction of carbon dioxide to ethanol. Journal of Materials Chemistry A, 2018, 6, 5025-5031.	5.2	109
18	An Aqueous Inorganic Polymer Binder for High Performance Lithium-Sulfur Batteries with Flame-Retardant Properties. ACS Central Science, 2018, 4, 260-267.	5.3	147

#	ARTICLE	IF	CITATIONS
19	Tuning the High-Temperature Wetting Behavior of Metals toward Ultrafine Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2625-2629.	7.2	9
20	Tuning the High-Temperature Wetting Behavior of Metals toward Ultrafine Nanoparticles. <i>Angewandte Chemie</i> , 2018, 130, 2655-2659.	1.6	1
21	<i>In Situ</i> Observation and Electrochemical Study of Encapsulated Sulfur Nanoparticles by MoS ₂ Flakes. <i>Journal of the American Chemical Society</i> , 2017, 139, 10133-10141.	6.6	126