Fei Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6223622/publications.pdf

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24 papers	3,073 citations	361413 20 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	5366 citing authors

#	Article	IF	Citations
1	Free-Standing Copper Nanowire Network Current Collector for Improving Lithium Anode Performance. Nano Letters, 2016, 16, 4431-4437.	9.1	597
2	Carbon Nanofibers Decorated with Molybdenum Disulfide Nanosheets: Synergistic Lithium Storage and Enhanced Electrochemical Performance. Angewandte Chemie - International Edition, 2014, 53, 11552-11556.	13.8	326
3	A Freeâ€Standing Ptâ€Nanowire Membrane as a Highly Stable Electrocatalyst for the Oxygen Reduction Reaction. Advanced Materials, 2011, 23, 1467-1471.	21.0	304
4	Low Cost Metal Carbide Nanocrystals as Binding and Electrocatalytic Sites for High Performance Liâ€“S Batteries. Nano Letters, 2018, 18, 1035-1043.	9.1	285
5	Robust and Highly Efficient Freeâ€Standing Carbonaceous Nanofiber Membranes for Water Purification. Advanced Functional Materials, 2011, 21, 3851-3858.	14.9	266
6	Woodâ€Inspired Highâ€Performance Ultrathick Bulk Battery Electrodes. Advanced Materials, 2018, 30, e1706745.	21.0	205
7	Lithiophilic Cuâ€“Ni coreâ€“shell nanowire network as a stable host for improving lithium anode performance. Energy Storage Materials, 2017, 9, 31-38.	18.0	149
8	Macroscopic-scale synthesis of nitrogen-doped carbon nanofiber aerogels by template-directed hydrothermal carbonization of nitrogen-containing carbohydrates. Nano Energy, 2016, 19, 117-127.	16.0	115
9	Prawn Shell Derived Chitin Nanofiber Membranes as Advanced Sustainable Separators for Li/Na-Ion Batteries. Nano Letters, 2017, 17, 4894-4901.	9.1	96
10	Diatomite derived hierarchical hybrid anode for high performance all-solid-state lithium metal batteries. Nature Communications, 2019, 10, 2482.	12.8	96
11	Lithium Fluoride in Electrolyte for Stable and Safe Lithiumâ€Metal Batteries. Advanced Materials, 2021, 33, e2102134.	21.0	91
12	High Voltage Magnesium-ion Battery Enabled by Nanocluster Mg₃Bi₂ Alloy Anode in Noncorrosive Electrolyte. ACS Nano, 2018, 12, 5856-5865.	14.6	87
13	Sustainable Hydrothermal Carbonization Synthesis of Iron/Nitrogenâ€Doped Carbon Nanofiber Aerogels as Electrocatalysts for Oxygen Reduction. Small, 2016, 12, 6398-6406.	10.0	77
14	A Nacreâ€Inspired Separator Coating for Impactâ€Tolerant Lithium Batteries. Advanced Materials, 2019, 31, e1905711.	21.0	71
15	Metal chloride perovskite thin film based interfacial layer for shielding lithium metal from liquid electrolyte. Nature Communications, 2020, 11, 1761.	12.8	68
16	Bio-inspired low-tortuosity carbon host for high-performance lithium-metal anode. National Science Review, 2019, 6, 247-256.	9.5	57
17	Chemically exfoliated boron nitride nanosheets form robust interfacial layers for stable solid-state Li metal batteries. Chemical Communications, 2019, 55, 7703-7706.	4.1	41
18	Titaniumâ€Carbideâ€Decorated Carbon Nanofibers as Hybrid Electrodes for High Performance Liâ€S Batteries. ChemNanoMat, 2016, 2, 937-941.	2.8	37

#	Article	IF	Citations
19	Largeâ€Scale Syntheses of Zinc Sulfideâ‹…(Diethylenetriamine)_{0.5} Hybrids as Precursors for Sulfur Nanocomposite Cathodes. Angewandte Chemie - International Edition, 2017, 56, 11836-11840.	13.8	24
20	MoS₂â€Nanosheetâ€Decorated Carbon Nanofiber Composites Enable Highâ€Performance Cathode Materials for Mg Batteries. ChemElectroChem, 2018, 5, 996-1001.	3.4	20
21	Solubility-Dependent Protective Effects of Binary Alloys for Lithium Anode. ACS Applied Energy Materials, 2020, 3, 2278-2284.	5.1	16
22	Lithium Fluoride in Electrolyte for Stable and Safe Lithiumâ€Metal Batteries (Adv. Mater. 42/2021). Advanced Materials, 2021, 33, 2170331.	21.0	4
23	Largeâ€Scale Syntheses of Zinc Sulfideâ‹…(Diethylenetriamine)_{0.5} Hybrids as Precursors for Sulfur Nanocomposite Cathodes. Angewandte Chemie, 2017, 129, 11998-12002.	2.0	2
24	MoS2 -Nanosheet-Decorated Carbon Nanofiber Composites Enable High-Performance Cathode Materials for Mg Batteries. ChemElectroChem, 2018, 5, 995-995.	3.4	1