

Fei Shen

List of Publications by Year in descending order

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38
papers

3,224
citations

279798

23
h-index

345221

36
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38
all docs

38
docs citations

38
times ranked

6031
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of transparent LLZTO electrolyte and its application in the observation of Li dendrite. <i>Ceramics International</i> , 2022, 48, 18949-18955.	4.8	3
2	Bacteria cellulose framework-supported solid composite polymer electrolytes for ambient-temperature lithium metal batteries. <i>Nanotechnology</i> , 2022, 33, 415401.	2.6	3
3	Experimental and first-principles study on amorphous aluminum nitride induced island-like nucleation and planar growth of lithium metal anode. <i>Electrochimica Acta</i> , 2022, 421, 140520.	5.2	1
4	Synergistically reinforced poly(ethylene oxide)-based composite electrolyte for high-temperature lithium metal batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 1029-1036.	9.4	7
5	Failure Analysis of Garnet-Type Solid State Electrolyte LLZO by Electrochemical Method. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 551-559.	0.4	0
6	A high performance lithium metal anode enabled by CF ₄ plasma treated carbon paper. <i>Nanoscale</i> , 2021, 13, 11800-11807.	5.6	5
7	Effect of Sintering Temperature and Holding Time on Ionic Conductivity for Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ Electrolyte. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 435-441.	0.4	0
8	Ultra-fast and facile preparation of uniform sulfur/graphene composites with microwave for lithium-sulfur batteries. <i>Nanotechnology</i> , 2021, 32, 285401.	2.6	6
9	Dendrite-Suppressing Separator with High Thermal Stability Modified by Beaded-Chain-Like Polyimide Coating for a Li Metal Anode. <i>Energy & Fuels</i> , 2021, 35, 8417-8422.	5.1	6
10	Facile Microwave-Impulse Synthesis of Multifunctional rGO/MoS ₂ /MoO ₃ Composites as a Permselective Separator-Coating Layer for Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 10252-10262.	5.1	16
11	Robust and high thermal-stable composite polymer electrolyte reinforced by PI nanofiber network. <i>Nanotechnology</i> , 2021, 32, 495401.	2.6	9
12	In-situ optical observation of Li growth in garnet-type solid state electrolyte. <i>Energy Storage Materials</i> , 2021, 41, 791-797.	18.0	31
13	Well-contacted Li/LLZTO interface by citric acid aqueous treatment for solid-state Li metal batteries. <i>Materials Letters</i> , 2020, 280, 128543.	2.6	12
14	A Simple and Highly Efficient Method toward High-Density Garnet-Type LLZTO Solid-State Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30313-30319.	8.0	71
15	Ultrathin dense double-walled carbon nanotube membrane for enhanced lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	5
16	PAN/PI functional double-layer coating for dendrite-free lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6183-6189.	10.3	31
17	Direct growth of 3D host on Cu foil for stable lithium metal anode. <i>Energy Storage Materials</i> , 2018, 13, 323-328.	18.0	92
18	Scalable synthesis of sub-100 nm hollow carbon nanospheres for energy storage applications. <i>Nano Research</i> , 2018, 11, 1822-1833.	10.4	29

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19	Ultrathin Al ₂ O ₃ -coated reduced graphene oxide membrane for stable lithium metal anode. Rare Metals, 2018, 37, 510-519.	7.1	32
20	Insight of holey-graphene in the enhancing of electrocatalytic activity as supporting material. Nanotechnology, 2018, 29, 425708.	2.6	6
21	TiC MXene High Energy Density Cathode for Lithium-Air Battery. Advanced Theory and Simulations, 2018, 1, 1800059.	2.8	21
22	Low temperature carbonization of cellulose nanocrystals for high performance carbon anode of sodium-ion batteries. Nano Energy, 2017, 33, 37-44.	16.0	159
23	Atomic-Layer-Deposition Functionalized Carbonized Mesoporous Wood Fiber for High Sulfur Loading Lithium Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 14801-14807.	8.0	77
24	Ultra-Thick, Low-Tortuosity, and Mesoporous Wood Carbon Anode for High-Performance Sodium-Ion Batteries. Advanced Energy Materials, 2016, 6, 1600377.	19.5	257
25	<i>In Situ</i> Transmission Electron Microscopy Observation of Sodiation-Desodiation in a Long Cycle, High-Capacity Reduced Graphene Oxide Sodium-Ion Battery Anode. Chemistry of Materials, 2016, 28, 6528-6535.	6.7	79
26	Improved cycling performance of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ /Al ₂ O ₃ with core-shell structure synthesized by a heterogeneous nucleation-and-growth process. Ionics, 2016, 22, 2021-2026.	2.4	27
27	Na-Ion Battery Anodes: Materials and Electrochemistry. Accounts of Chemical Research, 2016, 49, 231-240.	15.6	886
28	Extreme Light Management in Mesoporous Wood Cellulose Paper for Optoelectronics. ACS Nano, 2016, 10, 1369-1377.	14.6	161
29	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. ACS Applied Materials & Interfaces, 2016, 8, 2204-2210.	8.0	146
30	Nanocellulose as green dispersant for two-dimensional energy materials. Nano Energy, 2015, 13, 346-354.	16.0	270
31	Transient Rechargeable Batteries Triggered by Cascade Reactions. Nano Letters, 2015, 15, 4664-4671.	9.1	77
32	Sodium-Ion Intercalated Transparent Conductors with Printed Reduced Graphene Oxide Networks. Nano Letters, 2015, 15, 3763-3769.	9.1	46
33	Chemically Crushed Wood Cellulose Fiber towards High-Performance Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 23291-23296.	8.0	123
34	In Situ Investigations of Li ₂ MoS ₂ with Planar Batteries. Advanced Energy Materials, 2015, 5, 1401742.	19.5	87
35	Fabrication and characteristics of nano LiFePO ₄ /C composites with high capacity and high rate using nano Fe ₂ O ₃ as raw materials. Nano Energy, 2014, 6, 173-179.	16.0	42
36	Highly Conductive Microfiber of Graphene Oxide Templated Carbonization of Nanofibrillated Cellulose. Advanced Functional Materials, 2014, 24, 7366-7372.	14.9	94

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37	Depolarized and Fully Active Cathode Based on $\text{Li}(\text{Ni}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3})\text{O}_2$ Embedded in Carbon Nanotube Network for Advanced Batteries. Nano Letters, 2014, 14, 4700-4706.	9.1	95
38	Scalable Holey Graphene Synthesis and Dense Electrode Fabrication toward High-Performance Ultracapacitors. ACS Nano, 2014, 8, 8255-8265.	14.6	212