

Fei Shen

List of Publications by Year in descending order

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38
papers

3,224
citations

279487

23
h-index

344852

36
g-index

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.	2.3	3
2	Bacteria cellulose framework-supported solid composite polymer electrolytes for ambient-temperature lithium metal batteries. <i>Nanotechnology</i> , 2022, 33, 415401.	1.3	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.	2.6	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.	5.0	7
5	Failure Analysis of Garnet-Type Solid State Electrolyte LLZO by Electrochemical Method. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 551-559.	0.3	0
6	A high performance lithium metal anode enabled by CF ₄ plasma treated carbon paper. <i>Nanoscale</i> , 2021, 13, 11800-11807.	2.8	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.	0.3	0
8	Ultra-fast and facile preparation of uniform sulfur/graphene composites with microwave for lithium-sulfur batteries. <i>Nanotechnology</i> , 2021, 32, 285401.	1.3	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.	2.5	6
10	Facile Microwave-Impulse Synthesis of Multifunctional rGO/MoS ₂ /MoO ₂ Composites as a Permselective Separator-Coating Layer for Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 10252-10262.	2.5	16
11	Robust and high thermal-stable composite polymer electrolyte reinforced by PI nanofiber network. <i>Nanotechnology</i> , 2021, 32, 495401.	1.3	9
12	In-situ optical observation of Li growth in garnet-type solid state electrolyte. <i>Energy Storage Materials</i> , 2021, 41, 791-797.	9.5	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.	1.3	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.	4.0	71
15	Ultrathin dense double-walled carbon nanotube membrane for enhanced lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	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.	5.2	31
17	Direct growth of 3D host on Cu foil for stable lithium metal anode. <i>Energy Storage Materials</i> , 2018, 13, 323-328.	9.5	92
18	Scalable synthesis of sub-100 nm hollow carbon nanospheres for energy storage applications. <i>Nano Research</i> , 2018, 11, 1822-1833.	5.8	29

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19	Ultrathin Al ₂ O ₃ -coated reduced graphene oxide membrane for stable lithium metal anode. <i>Rare Metals</i> , 2018, 37, 510-519.	3.6	32
20	Insight of holey-graphene in the enhancing of electrocatalytic activity as supporting material. <i>Nanotechnology</i> , 2018, 29, 425708.	1.3	6
21	TiC MXene High Energy Density Cathode for Lithium-Air Battery. <i>Advanced Theory and Simulations</i> , 2018, 1, 1800059.	1.3	21
22	Low temperature carbonization of cellulose nanocrystals for high performance carbon anode of sodium-ion batteries. <i>Nano Energy</i> , 2017, 33, 37-44.	8.2	159
23	Atomic-Layer-Deposition Functionalized Carbonized Mesoporous Wood Fiber for High Sulfur Loading Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14801-14807.	4.0	77
24	Ultra-Thick, Low-Tortuosity, and Mesoporous Wood Carbon Anode for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600377.	10.2	257
25	In Situ Transmission Electron Microscopy Observation of Sodiation-Desodiation in a Long Cycle, High-Capacity Reduced Graphene Oxide Sodium-Ion Battery Anode. <i>Chemistry of Materials</i> , 2016, 28, 6528-6535.	3.2	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. <i>Ionics</i> , 2016, 22, 2021-2026.	1.2	27
27	Na-Ion Battery Anodes: Materials and Electrochemistry. <i>Accounts of Chemical Research</i> , 2016, 49, 231-240.	7.6	886
28	Extreme Light Management in Mesoporous Wood Cellulose Paper for Optoelectronics. <i>ACS Nano</i> , 2016, 10, 1369-1377.	7.3	161
29	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2204-2210.	4.0	146
30	Nanocellulose as green dispersant for two-dimensional energy materials. <i>Nano Energy</i> , 2015, 13, 346-354.	8.2	270
31	Transient Rechargeable Batteries Triggered by Cascade Reactions. <i>Nano Letters</i> , 2015, 15, 4664-4671.	4.5	77
32	Sodium-Ion Intercalated Transparent Conductors with Printed Reduced Graphene Oxide Networks. <i>Nano Letters</i> , 2015, 15, 3763-3769.	4.5	46
33	Chemically Crushed Wood Cellulose Fiber towards High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23291-23296.	4.0	123
34	In Situ Investigations of Li ₂ MoS ₂ with Planar Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401742.	10.2	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. <i>Nano Energy</i> , 2014, 6, 173-179.	8.2	42
36	Highly Conductive Microfiber of Graphene Oxide Templated Carbonization of Nanofibrillated Cellulose. <i>Advanced Functional Materials</i> , 2014, 24, 7366-7372.	7.8	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.	4.5	95
38	Scalable Holey Graphene Synthesis and Dense Electrode Fabrication toward High-Performance Ultracapacitors. ACS Nano, 2014, 8, 8255-8265.	7.3	212