

# Shaofei Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

5,108  
citations

567281

15  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

6016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lithium battery chemistries enabled by solid-state electrolytes. <i>Nature Reviews Materials</i> , 2017, 2, .	48.7	3,057
2	Plating a Dendrite-Free Lithium Anode with a Polymer/Ceramic/Polymer Sandwich Electrolyte. <i>Journal of the American Chemical Society</i> , 2016, 138, 9385-9388.	13.7	844
3	Solid-State Lithium Metal Batteries Promoted by Nanotechnology: Progress and Prospects. <i>ACS Energy Letters</i> , 2017, 2, 1385-1394.	17.4	314
4	Interfacial Chemistry in Solid-State Batteries: Formation of Interphase and Its Consequences. <i>Journal of the American Chemical Society</i> , 2018, 140, 250-257.	13.7	239
5	Polymer lithium-garnet interphase for an all-solid-state rechargeable battery. <i>Nano Energy</i> , 2018, 53, 926-931.	16.0	103
6	Asymmetric gel polymer electrolyte with high lithium ion conductivity for dendrite-free lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8033-8040.	10.3	93
7	Durability of the $\text{Li}_{1-x}\text{Ti}_2\text{Al}_x(\text{PO}_4)_3$ Solid Electrolyte in Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2016, 1, 1080-1085.	17.4	89
8	Y-Doped NASICON-type $\text{LiZr}_2(\text{PO}_4)_3$ Solid Electrolytes for Lithium-Metal Batteries. <i>Chemistry of Materials</i> , 2017, 29, 7206-7212.	6.7	77
9	Rechargeable Aluminum-Ion Batteries Based on an Open-Tunnel Framework. <i>Small</i> , 2017, 13, 1701296.	10.0	59
10	Identifying $\text{Li}^+$ ion transport properties of aluminum doped lithium titanium phosphate solid electrolyte at wide temperature range. <i>Solid State Ionics</i> , 2014, 268, 110-116.	2.7	53
11	Hybrid Lithium-Sulfur Batteries with an Advanced Gel Cathode and Stabilized Lithium-Metal Anode. <i>Advanced Energy Materials</i> , 2018, 8, 1800813.	19.5	50
12	High Voltage Stable Polyoxalate Catholyte with Cathode Coating for All-Solid-State Li-Metal/NMC622 Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2002416.	19.5	41
13	Aqueous Electrochemical Energy Storage with a Mediator-Ion Solid Electrolyte. <i>Advanced Energy Materials</i> , 2017, 7, 1602454.	19.5	27
14	Understanding the Redox Obstacles in High Sulfur-Loading $\text{Li-S}$ Batteries and Design of an Advanced Gel Cathode. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1392-1399.	4.6	24
15	Effect of Ni doping on the catalytic properties of nanostructured peony-like $\text{CeO}_2$ . <i>Chinese Journal of Catalysis</i> , 2013, 34, 305-312.	14.0	21
16	Interfacial transport in lithium-ion conductors. <i>Chinese Physics B</i> , 2016, 25, 018202.	1.4	9
17	Mirror-Like Electrodeposition of Lithium Metal under a Low-Resistance Artificial Solid Electrolyte Interphase Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39674-39684.	8.0	7
18	Dual-Polymer-Electrolytes: High Voltage Stable Polyoxalate Catholyte with Cathode Coating for All-Solid-State Li-Metal/NMC622 Batteries (Adv. Energy Mater. 42/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070176.	19.5	1