

# Chenxi Zu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

10,640  
citations

279701

23  
h-index

580701

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

8841  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolyte-Phobic Surface for the Next-Generation Nanostructured Battery Electrodes. Nano Letters, 2020, 20, 7455-7462.	4.5	25
2	Quantitative investigation of polysulfide adsorption capability of candidate materials for Li-S batteries. Energy Storage Materials, 2018, 13, 241-246.	9.5	134
3	Catalytic oxidation of Li <sub>2</sub> S on the surface of metal sulfides for Li <sup>+</sup> S batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 840-845.	3.3	1,030
4	Sulfiphilic Nickel Phosphosulfide Enabled Li <sub>2</sub> S Impregnation in 3D Graphene Cages for Li <sup>+</sup> S Batteries. Advanced Materials, 2017, 29, 1603366.	11.1	139
5	Solid-State Lithium <sup>+</sup> Sulfur Batteries Operated at 37 °C with Composites of Nanostructured Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> /Carbon Foam and Polymer. Nano Letters, 2017, 17, 2967-2972.	4.5	384
6	Enhanced Cycling Stability of Sulfur Electrodes through Effective Binding of Pyridine-Functionalized Polymer. ACS Energy Letters, 2017, 2, 2454-2462.	8.8	23
7	Reactivation of dead sulfide species in lithium polysulfide flow battery for grid scale energy storage. Nature Communications, 2017, 8, 462.	5.8	48
8	An Effective Lithium Sulfide Encapsulation Strategy for Stable Lithium <sup>+</sup> Sulfur Batteries. Advanced Energy Materials, 2017, 7, 1701122.	10.2	47
9	Mesoporous Titanium Nitride <sup>+</sup> Enabled Highly Stable Lithium <sup>+</sup> Sulfur Batteries. Advanced Materials, 2016, 28, 6926-6931.	11.1	544
10	A High Energy Lithium <sup>+</sup> Sulfur Battery with Ultrahigh <sup>+</sup> Loading Lithium Polysulfide Cathode and its Failure Mechanism. Advanced Energy Materials, 2016, 6, 1502459.	10.2	282
11	Breaking Down the Crystallinity: The Path for Advanced Lithium Batteries. Advanced Energy Materials, 2016, 6, 1501933.	10.2	77
12	Understanding the Redox Obstacles in High Sulfur-Loading Li <sup>+</sup> S Batteries and Design of an Advanced Gel Cathode. Journal of Physical Chemistry Letters, 2016, 7, 1392-1399.	2.1	24
13	Balancing surface adsorption and diffusion of lithium-polysulfides on nonconductive oxides for lithium <sup>+</sup> sulfur battery design. Nature Communications, 2016, 7, 11203.	5.8	1,136
14	Lithium <sup>+</sup> Sulfur Batteries: Progress and Prospects. Advanced Materials, 2015, 27, 1980-2006.	11.1	1,288
15	Free-standing TiO <sub>2</sub> nanowire-embedded graphene hybrid membrane for advanced Li/dissolved polysulfide batteries. Nano Energy, 2015, 12, 240-249.	8.2	252
16	Expandable-graphite-derived graphene for next-generation battery chemistries. Journal of Power Sources, 2015, 284, 60-67.	4.0	25
17	Insight into lithium <sup>+</sup> metal anodes in lithium <sup>+</sup> sulfur batteries with a fluorinated ether electrolyte. Journal of Materials Chemistry A, 2015, 3, 14864-14870.	5.2	133
18	Activated Li <sub>2</sub> S as a High-Performance Cathode for Rechargeable Lithium <sup>+</sup> Sulfur Batteries. Journal of Physical Chemistry Letters, 2014, 5, 3986-3991.	2.1	96

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19	Stabilized Lithium–Metal Surface in a Polysulfide-Rich Environment of Lithium–Sulfur Batteries. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2522-2527.	2.1	145
20	High-Performance Li/Dissolved Polysulfide Batteries with an Advanced Cathode Structure and High Sulfur Content. <i>Advanced Energy Materials</i> , 2014, 4, 1400897.	10.2	55
21	Rechargeable Lithium–Sulfur Batteries. <i>Chemical Reviews</i> , 2014, 114, 11751-11787.	23.0	3,842
22	Improved lithium–sulfur cells with a treated carbon paper interlayer. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2291.	1.3	241
23	<i>In Situ</i> -Formed $\text{Li}_2\text{S}$ in Lithiated Graphite Electrodes for Lithium–Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2013, 135, 18044-18047.	6.6	140
24	Highly reversible Li/dissolved polysulfide batteries with binder-free carbon nanofiber electrodes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10362.	5.2	135
25	Hydroxylated Graphene–Sulfur Nanocomposites for High-Rate Lithium–Sulfur Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 1008-1012.	10.2	395