

# Feifei Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3639809/publications.pdf>

Version: 2024-02-01

25  
papers

6,081  
citations

257450

24  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

6868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Manufacturing Strategies for Solid Electrolyte in Batteries. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	38
2	A novel battery scheme: Coupling nanostructured phosphorus anodes with lithium sulfide cathodes. <i>Nano Research</i> , 2020, 13, 1383-1388.	10.4	13
3	Membrane-free Zn/MnO <sub>2</sub> Flow Battery for Large-scale Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1902085.	19.5	111
4	Transient Voltammetry with Ultramicroelectrodes Reveals the Electron Transfer Kinetics of Lithium Metal Anodes. <i>ACS Energy Letters</i> , 2020, 5, 701-709.	17.4	91
5	Improving cyclability of Li metal batteries at elevated temperatures and its origin revealed by cryo-electron microscopy. <i>Nature Energy</i> , 2019, 4, 664-670.	39.5	336
6	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. <i>Nature Nanotechnology</i> , 2019, 14, 705-711.	31.5	773
7	Uniform High Ionic Conducting Lithium Sulfide Protection Layer for Stable Lithium Metal Anode. <i>Advanced Energy Materials</i> , 2019, 9, 1900858.	19.5	333
8	Composite lithium electrode with mesoscale skeleton via simple mechanical deformation. <i>Science Advances</i> , 2019, 5, eaau5655.	10.3	79
9	<i>In Situ</i> X-ray Absorption Spectroscopic Investigation of the Capacity Degradation Mechanism in Mg/S Batteries. <i>Nano Letters</i> , 2019, 19, 2928-2934.	9.1	63
10	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. <i>Nature Communications</i> , 2019, 10, 5824.	12.8	62
11	Direct electrochemical generation of supercooled sulfur microdroplets well below their melting temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 765-770.	7.1	39
12	An Aqueous Inorganic Polymer Binder for High Performance Lithium-Sulfur Batteries with Flame-Retardant Properties. <i>ACS Central Science</i> , 2018, 4, 260-267.	11.3	147
13	Vertically Aligned and Continuous Nanoscale Ceramic-Polymer Interfaces in Composite Solid Polymer Electrolytes for Enhanced Ionic Conductivity. <i>Nano Letters</i> , 2018, 18, 3829-3838.	9.1	268
14	Reversible and selective ion intercalation through the top surface of few-layer MoS <sub>2</sub> . <i>Nature Communications</i> , 2018, 9, 5289.	12.8	119
15	Shell-Protective Secondary Silicon Nanostructures as Pressure-Resistant High-Volumetric-Capacity Anodes for Lithium-Ion Batteries. <i>Nano Letters</i> , 2018, 18, 7060-7065.	9.1	121
16	Lithium metal stripping beneath the solid electrolyte interphase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8529-8534.	7.1	150
17	Engineering stable interfaces for three-dimensional lithium metal anodes. <i>Science Advances</i> , 2018, 4, eaat5168.	10.3	153
18	Self-healing SEI enables full-cell cycling of a silicon-majority anode with a coulombic efficiency exceeding 99.9%. <i>Energy and Environmental Science</i> , 2017, 10, 580-592.	30.8	421

#	ARTICLE	IF	CITATIONS
19	Nanoscale Nucleation and Growth of Electrodeposited Lithium Metal. Nano Letters, 2017, 17, 1132-1139.	9.1	1,081
20	Electrochemical Control of Copper Intercalation into Nanoscale Bi <sub>2</sub> Se <sub>3</sub> . Nano Letters, 2017, 17, 1741-1747.	9.1	34
21	Enhancing ionic conductivity in composite polymer electrolytes with well-aligned ceramic nanowires. Nature Energy, 2017, 2, .	39.5	763
22	Strong texturing of lithium metal in batteries. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12138-12143.	7.1	188
23	Surface Fluorination of Reactive Battery Anode Materials for Enhanced Stability. Journal of the American Chemical Society, 2017, 139, 11550-11558.	13.7	398
24	Reactivation of dead sulfide species in lithium polysulfide flow battery for grid scale energy storage. Nature Communications, 2017, 8, 462.	12.8	48
25	Stitching h-BN by atomic layer deposition of LiF as a stable interface for lithium metal anode. Science Advances, 2017, 3, eaao3170.	10.3	252