

# Kun Zhang

## List of Publications by Year in descending order

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26  
papers

1,554  
citations

394421

19  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2162  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Scalable Approach to Dendrite-Free Lithium Anodes via Spontaneous Reduction of Spray-Coated Graphene Oxide Layers. <i>Advanced Materials</i> , 2018, 30, e1801213.	21.0	204
2	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25147-25154.	8.0	152
3	Ferroelectric-Enhanced Polysulfide Trapping for Lithium-Sulfur Battery Improvement. <i>Advanced Materials</i> , 2017, 29, 1604724.	21.0	149
4	Covalent-Organic Framework-Based Li <sub>2</sub> CO <sub>3</sub> Batteries. <i>Advanced Materials</i> , 2019, 31, e1905829.	21.0	129
5	Solution-Processable Covalent Organic Framework Electrolytes for All-Solid-State Li <sup>+</sup> Organic Batteries. <i>ACS Energy Letters</i> , 2020, 5, 3498-3506.	17.4	114
6	Realizing Interfacial Electronic Interaction within ZnS Quantum Dots/Ni <sub>2</sub> GO Heterostructures for Efficient Li <sub>2</sub> CO <sub>3</sub> Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901806.	19.5	101
7	Reduced Graphene Oxide-Guided Directional Growth of Planar Lithium Layers. <i>Advanced Materials</i> , 2020, 32, e1907079.	21.0	70
8	Dual Functionalities of Carbon Nanotube Films for Dendrite-Free and High Energy High Power Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4605-4613.	8.0	67
9	A High-Performance Lithium Metal Battery with Ion-Selective Nanofluidic Transport in a Conjugated Microporous Polymer Protective Layer. <i>Advanced Materials</i> , 2021, 33, e2006323.	21.0	64
10	Dense Stacking Porous Conjugated Polymer as Reactive Type Host for High-Performance Lithium Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11359-11369.	13.8	62
11	Normalized Lithium Growth from the Nucleation Stage for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18246-18251.	13.8	60
12	Enabling effective polysulfide trapping and high sulfur loading via a pyrrole modified graphene foam host for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7309-7315.	10.3	52
13	In Situ Synthesis of Lead-Free Halide Perovskite Cs <sub>2</sub> AgBiBr <sub>6</sub> Supported on Nitrogen-Doped Carbon for Efficient Hydrogen Evolution in Aqueous HBr Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10037-10046.	8.0	52
14	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. <i>Advanced Materials</i> , 2021, 33, e2102083.	21.0	43
15	Constructing ambivalent imidazopyridinium-linked covalent organic frameworks. , 2022, 1, 382-392.		38
16	Multifunctional Silanization Interface for High-Energy and Low-Gassing Lithium Metal Pouch Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1903362.	19.5	31
17	Prepotassiated V <sub>2</sub> O <sub>5</sub> as the Cathode Material for High-Voltage Potassium-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 1900796.	3.8	27
18	Fast decomposition of Li <sub>2</sub> CO <sub>3</sub> /C actuated by single-atom catalysts for Li-CO <sub>2</sub> batteries. <i>Science China Materials</i> , 2021, 64, 2139-2147.	6.3	21

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19	Composite electrode based on single-atom Ni doped graphene for planar carbon-based perovskite solar cells. <i>Materials and Design</i> , 2021, 209, 109972.	7.0	21
20	Effect of the supergravity on the formation and cycle life of non-aqueous lithium metal batteries. <i>Nature Communications</i> , 2022, 13, 5.	12.8	20
21	Defect-rich carbon nitride as electrolyte additive for in-situ electrode interface modification in lithium metal battery. <i>Chemical Engineering Journal</i> , 2021, 407, 127123.	12.7	17
22	Integrated, Flexible Lithium Metal Battery with Improved Mechanical and Electrochemical Cycling Stability. <i>ACS Applied Energy Materials</i> , 2019, 2, 3642-3650.	5.1	15
23	Inducing rapid polysulfide transformation through enhanced interfacial electronic interaction for lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 13980-13986.	5.6	14
24	Dense Stacking Porous Conjugated Polymer as Reactive Type Host for High Performance Lithium Sulfur Batteries. <i>Angewandte Chemie</i> , 2021, 133, 11460-11470.	2.0	11
25	Normalized Lithium Growth from the Nucleation Stage for Dendrite-Free Lithium Metal Anodes. <i>Angewandte Chemie</i> , 2019, 131, 18414-18419.	2.0	10
26	An ion sieving conjugated microporous thermoset ultrathin membrane for high-performance Li-S battery. <i>Energy Storage Materials</i> , 2022, 49, 1-10.	18.0	10