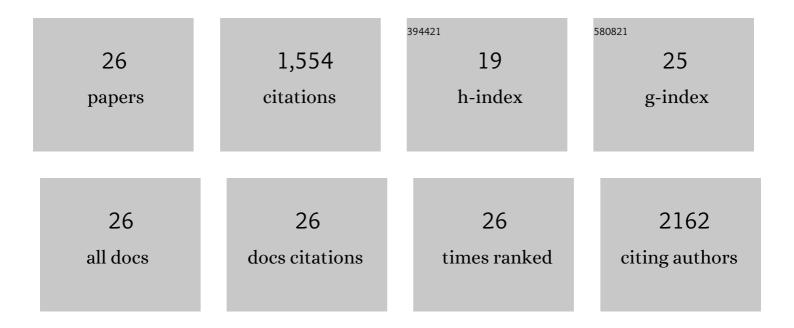
## Kun Zhang

List of Publications by Year in descending order

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KUN ZHANC

#	Article	IF	CITATIONS
1	A Scalable Approach to Dendriteâ€Free Lithium Anodes via Spontaneous Reduction of Sprayâ€Coated Graphene Oxide Layers. Advanced Materials, 2018, 30, e1801213.	21.0	204
2	Single-Atom Coated Separator for Robust Lithium–Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 25147-25154.	8.0	152
3	Ferroelectricâ€Enhanced Polysulfide Trapping for Lithium–Sulfur Battery Improvement. Advanced Materials, 2017, 29, 1604724.	21.0	149
4	Covalentâ€Organicâ€Frameworkâ€Based Li–CO <sub>2</sub> Batteries. Advanced Materials, 2019, 31, e1905	58 <b>29.</b> 0	129
5	Solution-Processable Covalent Organic Framework Electrolytes for All-Solid-State Li–Organic Batteries. ACS Energy Letters, 2020, 5, 3498-3506.	17.4	114
6	Realizing Interfacial Electronic Interaction within ZnS Quantum Dots/Nâ€rGO Heterostructures for Efficient Li–CO <sub>2</sub> Batteries. Advanced Energy Materials, 2019, 9, 1901806.	19.5	101
7	Reducedâ€Grapheneâ€Oxideâ€Guided Directional Growth of Planar Lithium Layers. Advanced Materials, 2020, 32, e1907079.	21.0	70
8	Dual Functionalities of Carbon Nanotube Films for Dendrite-Free and High Energy–High Power Lithium–Sulfur Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4605-4613.	8.0	67
9	A Highâ€Performance Lithium Metal Battery with Ionâ€Selective Nanofluidic Transport in a Conjugated Microporous Polymer Protective Layer. Advanced Materials, 2021, 33, e2006323.	21.0	64
10	Denseâ€Stacking Porous Conjugated Polymer as Reactiveâ€Type Host for Highâ€Performance Lithium Sulfur Batteries. Angewandte Chemie - International Edition, 2021, 60, 11359-11369.	13.8	62
11	Normalized Lithium Growth from the Nucleation Stage for Dendriteâ€Free Lithium Metal Anodes. Angewandte Chemie - International Edition, 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. Journal of Materials Chemistry A, 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. ACS Applied Materials & Interfaces, 2021, 13, 10037-10046.	8.0	52
14	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. Advanced Materials, 2021, 33, e2102083.	21.0	43
15	Constructing ambivalent imidazopyridinium-linked covalent organic frameworks. , 2022, 1, 382-392.		38
16	Multifunctional Silanization Interface for Highâ€Energy and Lowâ€Gassing Lithium Metal Pouch Cells. Advanced Energy Materials, 2020, 10, 1903362.	19.5	31
17	Prepotassiated V <sub>2</sub> O <sub>5</sub> as the Cathode Material for Highâ€Voltage Potassiumâ€Ion Batteries. Energy Technology, 2020, 8, 1900796.	3.8	27
18	Fast decomposition of Li2CO3/C actuated by single-atom catalysts for Li-CO2 batteries. Science China Materials, 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. Materials and Design, 2021, 209, 109972.	7.0	21
20	Effect of the supergravity on the formation and cycle life of non-aqueous lithium metal batteries. Nature Communications, 2022, 13, 5.	12.8	20
21	Defect-rich carbon nitride as electrolyte additive for in-situ electrode interface modification in lithium metal battery. Chemical Engineering Journal, 2021, 407, 127123.	12.7	17
22	Integrated, Flexible Lithium Metal Battery with Improved Mechanical and Electrochemical Cycling Stability. ACS Applied Energy Materials, 2019, 2, 3642-3650.	5.1	15
23	Inducing rapid polysulfide transformation through enhanced interfacial electronic interaction for lithium–sulfur batteries. Nanoscale, 2020, 12, 13980-13986.	5.6	14
24	Denseâ€Stacking Porous Conjugated Polymer as Reactiveâ€Type Host for Highâ€Performance Lithium Sulfur Batteries. Angewandte Chemie, 2021, 133, 11460-11470.	2.0	11
25	Normalized Lithium Growth from the Nucleation Stage for Dendriteâ€Free Lithium Metal Anodes. Angewandte Chemie, 2019, 131, 18414-18419.	2.0	10
26	An ion sieving conjugated microporous thermoset ultrathin membrane for high-performance Li-S battery. Energy Storage Materials, 2022, 49, 1-10.	18.0	10