

# Hanwen Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2813562/publications.pdf>

Version: 2024-02-01

20  
papers

1,211  
citations

516561

16  
h-index

794469

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances on Black Phosphorus for Energy Storage, Catalysis, and Sensor Applications. <i>Advanced Materials</i> , 2018, 30, e1800295.	11.1	215
2	Acid-etched layered double hydroxides with rich defects for enhancing the oxygen evolution reaction. <i>Chemical Communications</i> , 2017, 53, 11778-11781.	2.2	180
3	Sandwiched Thin-Film Anode of Chemically Bonded Black Phosphorus/Graphene Hybrid for Lithium-Ion Battery. <i>Small</i> , 2017, 13, 1700758.	5.2	145
4	Bridging Covalently Functionalized Black Phosphorus on Graphene for High-Performance Sodium-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36849-36856.	4.0	129
5	Electrocatalyzing S Cathodes via Multisulfophilic Sites for Superior Room-Temperature Sodium-Sulfur Batteries. <i>ACS Nano</i> , 2020, 14, 7259-7268.	7.3	100
6	Ultrafine nano-sulfur particles anchored on in situ exfoliated graphene for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9412-9417.	5.2	80
7	Architecting Freestanding Sulfur Cathodes for Superior Room-Temperature Na-S Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2102280.	7.8	46
8	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2102356.	10.2	41
9	Sustainable S cathodes with synergic electrocatalysis for room-temperature Na-S batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 566-574.	5.2	39
10	Streamline Sulfur Redox Reactions to Achieve Efficient Room-Temperature Sodium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
11	Activating Inert Surface Pt Single Atoms via Subsurface Doping for Oxygen Reduction Reaction. <i>Nano Letters</i> , 2021, 21, 7970-7978.	4.5	33
12	Understanding Sulfur Redox Mechanisms in Different Electrolytes for Room-Temperature Na-S Batteries. <i>Nano-Micro Letters</i> , 2021, 13, 121.	14.4	31
13	Electrolytes/Interphases: Enabling Distinguishable Sulfur Redox Processes in Room-Temperature Sodium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	29
14	Nanostructure Engineering Strategies of Cathode Materials for Room-Temperature Na-S Batteries. <i>ACS Nano</i> , 2022, 16, 5103-5130.	7.3	27
15	Efficient separators with fast Li-ion transfer and high polysulfide entrapment for superior lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021, 408, 127348.	6.6	25
16	Surface engineering of anode materials for improving sodium-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3889-3904.	5.2	20
17	Copper phosphide as a promising anode material for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 8378-8385.	5.2	16
18	Two-shell configuration for bimetal selenides toward fast sodium storage within broadened voltage windows. , 2022, 4, 586-597.		10

#	ARTICLE	IF	CITATIONS
19	Synthesis of carbon-modified cobalt disphosphide as anode for sodium-ion storage. <i>Electrochimica Acta</i> , 2022, 423, 140611.	2.6	4
20	Streamline Sulfur Redox Reactions to Achieve Efficient Room-Temperature Sodium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3