Hanwen Liu

List of Publications by Year
in descending order

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

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20	1,211	516710 16	794594 19
papers	citations	h-index	g-index

21	21	21	1896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Advances on Black Phosphorus for Energy Storage, Catalysis, and Sensor Applications. Advanced Materials, 2018, 30, e1800295.	21.0	215
2	Acid-etched layered double hydroxides with rich defects for enhancing the oxygen evolution reaction. Chemical Communications, 2017, 53, 11778-11781.	4.1	180
3	Sandwiched Thinâ€Film Anode of Chemically Bonded Black Phosphorus/Graphene Hybrid for Lithiumâ€Ion Battery. Small, 2017, 13, 1700758.	10.0	145
4	Bridging Covalently Functionalized Black Phosphorus on Graphene for High-Performance Sodium-Ion Battery. ACS Applied Materials & Interfaces, 2017, 9, 36849-36856.	8.0	129
5	Electrocatalyzing S Cathodes via Multisulfiphilic Sites for Superior Room-Temperature Sodiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 7259-7268.	14.6	100
6	Ultrafine nano-sulfur particles anchored on in situ exfoliated graphene for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 9412-9417.	10.3	80
7	Architecting Freestanding Sulfur Cathodes for Superior Roomâ€Temperature Naâ€“S Batteries. Advanced Functional Materials, 2021, 31, 2102280.	14.9	46
8	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. Advanced Energy Materials, 2021, 11, 2102356.	19.5	41
9	Sustainable S cathodes with synergic electrocatalysis for room-temperature Naâ€“S batteries. Journal of Materials Chemistry A, 2021, 9, 566-574.	10.3	39
10	Streamline Sulfur Redox Reactions to Achieve Efficient Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	38
11	Activating Inert Surface Pt Single Atoms via Subsurface Doping for Oxygen Reduction Reaction. Nano Letters, 2021, 21, 7970-7978.	9.1	33
12	Understanding Sulfur Redox Mechanisms in Different Electrolytes for Room-Temperature Naâ€“S Batteries. Nano-Micro Letters, 2021, 13, 121.	27.0	31
13	Electrolytes/Interphases: Enabling Distinguishable Sulfur Redox Processes in Roomâ€Temperature Sodiumâ€Sulfur Batteries. Advanced Energy Materials, 2022, 12, .	19.5	29
14	Nanostructure Engineering Strategies of Cathode Materials for Room-Temperature Naâ€“S Batteries. ACS Nano, 2022, 16, 5103-5130.	14.6	27
15	Efficient separators with fast Li-ion transfer and high polysulfide entrapment for superior lithium-sulfur batteries. Chemical Engineering Journal, 2021, 408, 127348.	12.7	25
16	Surface engineering of anode materials for improving sodium-ion storage performance. Journal of Materials Chemistry A, 2022, 10, 3889-3904.	10.3	20
17	Copper phosphide as a promising anode material for potassium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 8378-8385.	10.3	16
18	Twoâ€inâ€one 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. Electrochimica Acta, 2022, 423, 140611.	5.2	4
20	Streamline Sulfur Redox Reactions to Achieve Efficient Roomâ€Temperature Sodiumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	2.0	3