Huicong Yang

List of Publications by Year
in descending order

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22	1,702	586496	799663
papers	citations	16 h-index	21 g-index

22	22	22	2197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe₂ cathode for aluminium-ion batteries by in situ magnetometry. Energy and Environmental Science, 2022, 15, 311-319.	15.6	53
2	An Interlayer Containing Dissociated LiNO₃ with Fast Release Speed for Stable Lithium Metal Batteries with 400ÂWh kg^{â^'1} Energy Density. Small, 2022, 18, .	5.2	14
3	In-situ imaging techniques for advanced battery development. Materials Today, 2022, 57, 279-294.	8.3	16
4	Lithium Metal Batteries Enabled by Synergetic Additives in Commercial Carbonate Electrolytes. ACS Energy Letters, 2021, 6, 1839-1848.	8.8	200
5	Ionâ€Dipole Chemistry Drives Rapid Evolution of Li Ions Solvation Sheath in Lowâ€Temperature Li Batteries. Advanced Energy Materials, 2021, 11, 2100935.	10.2	95
6	Highly elastic wrinkled structures for stable and low volume-expansion lithium-metal anodes. Science China Materials, 2021, 64, 2675-2682.	3.5	7
7	Lithium Metal Batteries: Ionâ€Dipole Chemistry Drives Rapid Evolution of Li Ions Solvation Sheath in Lowâ€Temperature Li Batteries (Adv. Energy Mater. 28/2021). Advanced Energy Materials, 2021, 11, 2170112.	10.2	14
8	Scalable fabrication of vanadium carbide/graphene electrodes for high-energy and flexible microsupercapacitors. Carbon, 2021, 183, 840-849.	5.4	16
9	Efficient polysulfide blocker from conductive niobium nitride@graphene for Li-S batteries. Journal of Energy Chemistry, 2020, 45, 135-141.	7.1	69
10	Reliable liquid electrolytes for lithium metal batteries. Energy Storage Materials, 2020, 30, 113-129.	9.5	92
11	Bi-Cation Electrolyte for a 1.7 V Aqueous Zn Ion Battery. ACS Applied Materials & Interfaces, 2020, 12, 13790-13796.	4.0	78
12	Electrochemical process of sulfur in carbon materials from electrode thickness to interlayer. Journal of Energy Chemistry, 2019, 31, 119-124.	7.1	42
13	Suppressing lithium dendrite formation by slowing its desolvation kinetics. Chemical Communications, 2019, 55, 13211-13214.	2.2	43
14	Die wiederaufladbare Aluminiumbatterie: MÃ¶glichkeiten und Herausforderungen. Angewandte Chemie, 2019, 131, 12104-12124.	1.6	26
15	The Rechargeable Aluminum Battery: Opportunities and Challenges. Angewandte Chemie - International Edition, 2019, 58, 11978-11996.	7.2	276
16	Necklace-like MoC sulfiphilic sites embedded in interconnected carbon networks for Liâ€“S batteries with high sulfur loading. Journal of Materials Chemistry A, 2019, 7, 11298-11304.	5.2	68
17	A highly reversible Co3S4 microsphere cathode material for aluminum-ion batteries. Nano Energy, 2019, 56, 100-108.	8.2	179
18	Hybrid graphene album with polysulfides adsorption layer for Li-S batteries. Chemical Engineering Science, 2019, 194, 148-155.	1.9	18

#	Article	IF	Citations
19	An Aluminumâ€“Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie, 2018, 130, 1916-1920.	1.6	43
20	An Aluminumâ€“Sulfur Battery with a Fast Kinetic Response. Angewandte Chemie - International Edition, 2018, 57, 1898-1902.	7.2	154
21	Kinetically Enhanced Electrochemical Redox of Polysulfides on Polymeric Carbon Nitrides for Improved Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 25193-25201.	4.0	149
22	Dissolutionâ€“Precipitation Dynamics in Ester Electrolyte for High-Stability Lithium Metal Batteries. ACS Energy Letters, 0, , 1413-1421.	8.8	50