

Long Kong

List of Publications by Year in descending order

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32
papers

3,499
citations

293460

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466096

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g-index

32
all docs

32
docs citations

32
times ranked

4617
citing authors

#	ARTICLE	IF	CITATIONS
1	An odyssey of lithium metal anode in liquid lithium-sulfur batteries. Chinese Chemical Letters, 2022, 33, 4421-4427.	4.8	37
2	Electrolyte solvation chemistry for lithium-sulfur batteries with electrolyte-lean conditions. Journal of Energy Chemistry, 2021, 55, 80-91.	7.1	57
3	Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 514-521.	4.0	40
4	Coupling a Three-Dimensional Nanopillar and Robust Film to Guide Li-Ion Flux for Dendrite-Free Lithium Metal Anodes. ACS Applied Materials & Interfaces, 2021, 13, 45416-45425.	4.0	8
5	Configuring solid-state batteries to power electric vehicles: a deliberation on technology, chemistry and energy. Chemical Communications, 2021, 57, 12587-12594.	2.2	18
6	Li-Rich Antiperovskite/Nitrile Butadiene Rubber Composite Electrolyte for Sheet-Type Solid-State Lithium Metal Battery. Frontiers in Chemistry, 2021, 9, 744417.	1.8	8
7	Rationalizing Electrocatalysis of Li-S Chemistry by Mediator Design: Progress and Prospects. Advanced Energy Materials, 2020, 10, 1901075.	10.2	296
8	Engineering Frenkel defects of anti-perovskite solid-state electrolytes and their applications in all-solid-state lithium-ion batteries. Chemical Communications, 2020, 56, 1251-1254.	2.2	36
9	Advanced energy materials for flexible batteries in energy storage: A review. SmartMat, 2020, 1, .	6.4	186
10	Cobalt-Doped NiS ₂ Micro/Nanostructures with Complete Solid Solubility as High-Performance Cathode Materials for Actual High-Specific-Energy Thermal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 50377-50387.	4.0	39
11	Approaching energy-dense and cost-effective lithium-sulfur batteries: From materials chemistry and price considerations. Energy, 2020, 201, 117718.	4.5	43
12	Graphene-based Fe-coordinated framework porphyrin as an interlayer for lithium-sulfur batteries. Materials Chemistry Frontiers, 2019, 3, 615-619.	3.2	47
13	Current-density dependence of Li ₂ S/Li ₂ S ₂ growth in lithium-sulfur batteries. Energy and Environmental Science, 2019, 12, 2976-2982.	15.6	102
14	Nonuniform Redistribution of Sulfur and Lithium upon Cycling: Probing the Origin of Capacity Fading in Lithium-Sulfur Pouch Cells. Energy Technology, 2019, 7, 1900111.	1.8	32
15	Expediting redox kinetics of sulfur species by atomic-scale electrocatalysts in lithium-sulfur batteries. Informa-Materially, 2019, 1, 533-541.	8.5	261
16	Three-dimensional matrix for lithium metal anode for next-generation rechargeable batteries: Structure design and interface engineering. Journal of Energy Chemistry, 2019, 33, 167-168.	7.1	28
17	Towards full demonstration of high areal loading sulfur cathode in lithium-sulfur batteries. Journal of Energy Chemistry, 2019, 39, 17-22.	7.1	87
18	Conductive and Catalytic Triple-Phase Interfaces Enabling Uniform Nucleation in High-Rate Lithium-Sulfur Batteries. Advanced Energy Materials, 2019, 9, 1802768.	10.2	508

#	ARTICLE	IF	CITATIONS
19	Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018, 30, e1707483.	11.1	145
20	Porphyrin-Derived Graphene-Based Nanosheets Enabling Strong Polysulfide Chemisorption and Rapid Kinetics in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1800849.	10.2	211
21	A Bifunctional Perovskite Promoter for Polysulfide Regulation toward Stable Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018, 30, 1705219.	11.1	276
22	A Review of Advanced Energy Materials for Magnesium-Sulfur Batteries. <i>Energy and Environmental Materials</i> , 2018, 1, 100-112.	7.3	112
23	Solvent-Engineered Scalable Production of Polysulfide-Blocking Shields to Enhance Practical Lithium-Sulfur Batteries. <i>Small Methods</i> , 2018, 2, 1800100.	4.6	23
24	Porphyrin Organic Frameworks: Porphyrin Organic Framework Hollow Spheres and Their Applications in Lithium-Sulfur Batteries (<i>Adv. Mater.</i> 23/2018). <i>Advanced Materials</i> , 2018, 30, 1870160.	11.1	4
25	Synchronous immobilization and conversion of polysulfides on a VO ₂ -VN binary host targeting high sulfur load Li-S batteries. <i>Energy and Environmental Science</i> , 2018, 11, 2620-2630.	15.6	465
26	Synthesis and electrochemical characterization of porous nanostructured vanadium pentoxide with mesopores and macropores. <i>Materials Letters</i> , 2017, 190, 266-269.	1.3	4
27	Beaver-dam-like membrane: A robust and sulphophilic MgBO ₂ (OH)/CNT/PP nest separator in Li-S batteries. <i>Energy Storage Materials</i> , 2017, 8, 153-160.	9.5	86
28	Synthesis and characterization of sulfur/carbon/porous nanostructured V ₂ O ₅ composite cathodes for lithium sulfur batteries. <i>Advanced Powder Technology</i> , 2017, 28, 1411-1417.	2.0	19
29	A review of transition metal chalcogenide/graphene nanocomposites for energy storage and conversion. <i>Chinese Chemical Letters</i> , 2017, 28, 2180-2194.	4.8	176
30	Review of nanostructured current collectors in lithium-sulfur batteries. <i>Nano Research</i> , 2017, 10, 4027-4054.	5.8	91
31	Correlation between porous structure and electrochemical properties of porous nanostructured vanadium pentoxide synthesized by novel spray pyrolysis. <i>Journal of Power Sources</i> , 2016, 312, 36-44.	4.0	22
32	Synthesis and characterization of sulfur-carbon-vanadium pentoxide composites for improved electrochemical properties of lithium-sulfur batteries. <i>Materials Research Bulletin</i> , 2016, 73, 164-170.	2.7	32