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List of Publications by Year
in descending order

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30 papers	1,701 citations	361413 20 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2514 citing authors

#	Article	IF	Citations
1	The Importance of Swelling Effects on Cathode Density and Electrochemical Performance of Lithiumâ^'Sulfur Battery Cathodes Produced via Dry Processing. Energy Technology, 2022, 10, 2100721.	3.8	7
2	Influence of external stack pressure on the performance of Li-S pouch cell. JPhys Energy, 2022, 4, 014004.	5.3	5
3	Operando Radiography and Multimodal Analysis of Lithiumâ€“Sulfur Pouch Cellsâ€”Electrolyte Dependent Morphology Evolution at the Cathode. Advanced Energy Materials, 2022, 12, .	19.5	13
4	Stabilizing Effect of Polysulfides on Lithium Metal Anodes in Sparingly Solvating Solvents. Batteries and Supercaps, 2021, 4, 347-358.	4.7	10
5	Recent Progress and Emerging Application Areas for Lithiumâ€“Sulfur Battery Technology. Energy Technology, 2021, 9, 2000694.	3.8	58
6	Impact of Carbon Porosity on Sulfur Conversion in Liâ^'S Battery Cathodes in a Sparingly Polysulfide Solvating Electrolyte. Batteries and Supercaps, 2021, 4, 823-833.	4.7	22
7	Nanostructured Siâ^'C Composites As Highâ€Capacity Anode Material For Allâ€Solidâ€State Lithiumâ€Ion Batteries**. Batteries and Supercaps, 2021, 4, 1323-1334.	4.7	19
8	Influence of Polysulfides on the Lithium Metal Anode and on Electrolyte Properties. ECS Meeting Abstracts, 2021, MA2021-02, 88-88.	0.0	0
9	Scalable production of nitrogen-doped carbons for multilayer lithium-sulfur battery cells. Carbon, 2020, 161, 190-197.	10.3	43
10	Enabling Highâ€Energy Solidâ€State Batteries with Stable Anode Interphase by the Use of Columnar Silicon Anodes. Advanced Energy Materials, 2020, 10, 2001320.	19.5	109
11	The Role of Balancing Nanostructured Silicon Anodes and NMC Cathodes in Lithium-Ion Full-Cells with High Volumetric Energy Density. Journal of the Electrochemical Society, 2020, 167, 020516.	2.9	46
12	Polysulfide Shuttle Suppression by Electrolytes with Lowâ€Density for Highâ€Energy Lithiumâ€“Sulfur Batteries. Energy Technology, 2019, 7, 1900625.	3.8	57
13	Importance of Capacity Balancing on The Electrochemical Performance of Li[Ni_{0.8}Co_{0.1}Mn_{0.1}]O₂ (NCM811)/Silicon Full Cells. Journal of the Electrochemical Society, 2019, 166, A3265-A3271.	2.9	40
14	Symmetric Lithium Sulfide â€“ Sulfur Cells: A Method to Study Degradation Mechanisms of Cathode, Separator and Electrolyte Concepts for Lithium-Sulfur Batteries. Journal of the Electrochemical Society, 2018, 165, A1084-A1091.	2.9	16
15	On the mechanistic role of nitrogen-doped carbon cathodes in lithium-sulfur batteries with low electrolyte weight portion. Nano Energy, 2018, 54, 116-128.	16.0	67
16	Sulfur: an intermediate template for advanced silicon anode architectures. Journal of Materials Chemistry A, 2018, 6, 14787-14796.	10.3	21
17	Insights into the redistribution of sulfur species during cycling in lithium-sulfur batteries using physisorption methods. Nano Energy, 2017, 34, 437-441.	16.0	29
18	Hierarchical columnar silicon anode structures for high energy density lithium sulfur batteries. Journal of Power Sources, 2017, 351, 183-191.	7.8	38

#	Article	IF	Citations
19	Enabling electrolyte compositions for columnar silicon anodes in high energy secondary batteries. Journal of Power Sources, 2017, 362, 349-357.	7.8	22
20	Intrinsic Shuttle Suppression in Lithium-Sulfur Batteries for Pouch Cell Application. Journal of the Electrochemical Society, 2017, 164, A3766-A3771.	2.9	101
21	High Area Capacity Lithium-Sulfur Full-cell Battery with Prelitiathed Silicon Nanowire-Carbon Anodes for Long Cycling Stability. Scientific Reports, 2016, 6, 27982.	3.3	69
22	Zinc-salt templating of hierarchical porous carbons for low electrolyte high energy lithium-sulfur batteries (LE-LiS). Carbon, 2016, 107, 705-710.	10.3	28
23	Tailoring Commercially Available Raw Materials for Lithiumâ€“Sulfur Batteries with Superior Performance and Enhanced Shelf Life. Energy Technology, 2015, 3, 1007-1013.	3.8	10
24	ZnO Hard Templating for Synthesis of Hierarchical Porous Carbons with Tailored Porosity and High Performance in Lithiumâ€Sulfur Battery. Advanced Functional Materials, 2015, 25, 287-297.	14.9	315
25	Nanocasting Hierarchical Carbide-Derived Carbons in Nanostructured Opal Assemblies for High-Performance Cathodes in Lithiumâ€“Sulfur Batteries. ACS Nano, 2014, 8, 12130-12140.	14.6	79
26	Lithiumâ€“sulfur batteries: Influence of C-rate, amount of electrolyte and sulfur loading on cycle performance. Journal of Power Sources, 2014, 268, 82-87.	7.8	139
27	High capacity micro-mesoporous carbonâ€“sulfur nanocomposite cathodes with enhanced cycling stability prepared by a solvent-free procedure. Journal of Materials Chemistry A, 2013, 1, 9225.	10.3	138
28	High power supercap electrodes based on vertical aligned carbon nanotubes on aluminum. Journal of Power Sources, 2013, 227, 218-228.	7.8	66
29	A new route for the preparation of mesoporous carbon materials with high performance in lithiumâ€“sulphur battery cathodes. Chemical Communications, 2013, 49, 5832.	4.1	97
30	Wet-chemical catalyst deposition for scalable synthesis of vertical aligned carbon nanotubes on metal substrates. Chemical Physics Letters, 2011, 511, 288-293.	2.6	37