

Chun Yuen Kwok

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

5,272
citations

567281

15
h-index

888059

17
g-index

17
all docs

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docs citations

17
times ranked

6031
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in lithium-sulfur batteries based on multifunctional cathodes and electrolytes. <i>Nature Energy</i> , 2016, 1, .	39.5	1,710
2	Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle. <i>Advanced Energy Materials</i> , 2016, 6, 1501636.	19.5	623
3	Interwoven MXene Nanosheet/Carbon Nanotube Composites as Li-S Cathode Hosts. <i>Advanced Materials</i> , 2017, 29, 1603040.	21.0	606
4	Tuning the electrolyte network structure to invoke quasi-solid state sulfur conversion and suppress lithium dendrite formation in Li-S batteries. <i>Nature Energy</i> , 2018, 3, 783-791.	39.5	421
5	A high-energy-density lithium-oxygen battery based on a reversible four-electron conversion to lithium oxide. <i>Science</i> , 2018, 361, 777-781.	12.6	356
6	Review-The Importance of Chemical Interactions between Sulfur Host Materials and Lithium Polysulfides for Advanced Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2567-A2576.	2.9	294
7	A Comprehensive Approach toward Stable Lithium-Sulfur Batteries with High Volumetric Energy Density. <i>Advanced Energy Materials</i> , 2017, 7, 1601630.	19.5	277
8	Lightweight Metallic MgB ₂ Mediates Polysulfide Redox and Promises High-Energy-Density Lithium-Sulfur Batteries. <i>Joule</i> , 2019, 3, 136-148.	24.0	256
9	High areal capacity, long cycle life 4.4%V ceramic all-solid-state Li-ion batteries enabled by chloride solid electrolytes. <i>Nature Energy</i> , 2022, 7, 83-93.	39.5	249
10	A new halospinel superionic conductor for high-voltage all solid state lithium batteries. <i>Energy and Environmental Science</i> , 2020, 13, 2056-2063.	30.8	148
11	Highly reversible Zn anode with a practical areal capacity enabled by a sustainable electrolyte and superacid interfacial chemistry. <i>Joule</i> , 2022, 6, 1103-1120.	24.0	131
12	Transport Properties of Polysulfide Species in Lithium-Sulfur Battery Electrolytes: Coupling of Experiment and Theory. <i>ACS Central Science</i> , 2016, 2, 560-568.	11.3	71
13	Asymmetric organocatalytic conjugate addition of dialkyl phosphites to N-unprotected isatylidene malononitriles: access to 3-phospho-2-oxindoles with chiral quaternary stereocenters. <i>Tetrahedron</i> , 2014, 70, 2406-2415.	1.9	54
14	A High Capacity All Solid-State Li-Sulfur Battery Enabled by Conversion-Intercalation Hybrid Cathode Architecture. <i>Advanced Functional Materials</i> , 2021, 31, 2004239.	14.9	45
15	Impact of the Mechanical Properties of a Functionalized Cross-Linked Binder on the Longevity of Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22481-22491.	8.0	22
16	Lithium-Sulfur Batteries: Tuning Transition Metal Oxide-Sulfur Interactions for Long Life Lithium Sulfur Batteries: The "Goldilocks" Principle (Adv. Energy Mater. 6/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	5
17	Drug release kinetics of pH-responsive microgels of different glass-transition temperatures. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47284.	2.6	4