

Mingzhe Yu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,773
citations

471371

17
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

3102
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating a redox-coupled dye-sensitized photoelectrode into a lithium-oxygen battery for photoassisted charging. <i>Nature Communications</i> , 2014, 5, 5111.	5.8	236
2	Potassium-Ion Oxygen Battery Based on a High Capacity Antimony Anode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26158-26166.	4.0	227
3	Dimeric [Mo ₂ S ₁₂] ²⁺ Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15181-15185.	7.2	160
4	p-Type Dye-Sensitized Solar Cells Based on Delafossite CuGaO ₂ Nanoplates with Saturation Photovoltages Exceeding 460 mV. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1074-1078.	2.1	154
5	Aqueous Lithium-Iodine Solar Flow Battery for the Simultaneous Conversion and Storage of Solar Energy. <i>Journal of the American Chemical Society</i> , 2015, 137, 8332-8335.	6.6	149
6	Understanding Side Reactions in K ₂ O Batteries for Improved Cycle Life. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19299-19307.	4.0	117
7	Cu(i)-based delafossite compounds as photocathodes in p-type dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5026.	1.3	116
8	Solar-powered electrochemical energy storage: an alternative to solar fuels. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2766-2782.	5.2	109
9	Probing the Low Fill Factor of NiO p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26239-26246.	1.5	94
10	Investigating dendrites and side reactions in sodium-oxygen batteries for improved cycle lives. <i>Chemical Communications</i> , 2015, 51, 7665-7668.	2.2	93
11	Scalable synthesis of delafossite CuAlO ₂ nanoparticles for p-type dye-sensitized solar cells applications. <i>Journal of Alloys and Compounds</i> , 2014, 591, 275-279.	2.8	74
12	Understanding the Crystallization Mechanism of Delafossite CuGaO ₂ for Controlled Hydrothermal Synthesis of Nanoparticles and Nanoplates. <i>Inorganic Chemistry</i> , 2014, 53, 5845-5851.	1.9	70
13	pH-Tuning a Solar Redox Flow Battery for Integrated Energy Conversion and Storage. <i>ACS Energy Letters</i> , 2016, 1, 578-582.	8.8	55
14	Dye-Controlled Interfacial Electron Transfer for High-Current Indium Tin Oxide Photocathodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6857-6861.	7.2	35
15	2H-CuScO ₂ Prepared by Low-Temperature Hydrothermal Methods and Post-Annealing Effects on Optical and Photoelectrochemical Properties. <i>Inorganic Chemistry</i> , 2015, 54, 5519-5526.	1.9	27