Maowei Hu

List of Publications by Year
in descending order

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		567144	677027
22	1,332	15	22
papers	citations	h-index	g-index

23	23	23	1562
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanistic insights of cycling stability of ferrocene catholytes in aqueous redox flow batteries. Energy and Environmental Science, 2022, 15, 1315-1324.	15.6	32
2	Tailoring electron transfer pathway for photocatalytic N₂-to-NH₃ reduction in a CdS quantum dots-nitrogenase system. Sustainable Energy and Fuels, 2022, 6, 2256-2263.	2.5	6
3	Materials challenges of aqueous redox flow batteries. MRS Energy & Sustainability, 2022, 9, 1-12.	1.3	11
4	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.2	2
5	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries. Advanced Energy Materials, 2022, 12, .	10.2	40
6	An Energyâ€Dense, Powerful, Robust Bipolar Zincâ€“Ferrocene Redoxâ€Flow Battery. Angewandte Chemie, 2022, 134, .	1.6	1
7	Nickelâ€Catalyzed Electrochemical C(sp³)â^'C(sp²) Crossâ€Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. Angewandte Chemie - International Edition, 2021, 60, 6107-6116.	7.2	67
8	Nickelâ€Catalyzed Electrochemical C(sp 3)â^'C(sp 2) Crossâ€Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. Angewandte Chemie, 2021, 133, 6172-6181.	1.6	17
9	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. Nature Materials, 2020, 19, 1326-1331.	13.3	90
10	A pHâ€Neutral, Metalâ€Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. Angewandte Chemie, 2019, 131, 16782-16789.	1.6	63
11	Status and Prospects of Organic Redox Flow Batteries toward Sustainable Energy Storage. ACS Energy Letters, 2019, 4, 2220-2240.	8.8	327
12	A pHâ€Neutral, Metalâ€Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. Angewandte Chemie - International Edition, 2019, 58, 16629-16636.	7.2	128
13	An Efficient Viologen-Based Electron Donor to Nitrogenase. Biochemistry, 2019, 58, 4590-4595.	1.2	17
14	Fine-tuning the coordination atoms of copper redox mediators: an effective strategy for boosting the photovoltage of dye-sensitized solar cells. Journal of Materials Chemistry A, 2019, 7, 12808-12814.	5.2	12
15	A 1.51 V pH neutral redox flow battery towards scalable energy storage. Journal of Materials Chemistry A, 2019, 7, 9130-9136.	5.2	69
16	Electrochemical Dinitrogen Reduction to Ammonia by Mo₂N: Catalysis or Decomposition?. ACS Energy Letters, 2019, 4, 1053-1054.	8.8	114
17	Unprecedented Capacity and Stability of Ammonium Ferrocyanide Catholyte in pH Neutral Aqueous Redox Flow Batteries. Joule, 2019, 3, 149-163.	11.7	184
18	Improved performance and air stability of perovskite solar cells based on low-cost organic hole-transporting material X60 by incorporating its dicationic salt. Science China Chemistry, 2018, 61, 172-179.	4.2	20

#	Article	IF	Citations
19	Efficient and Stable Dye-Sensitized Solar Cells Based on a Tetradentate Copper(II/I) Redox Mediator. ACS Applied Materials & Interfaces, 2018, 10, 30409-30416.	4.0	31
20	Interfacial Engineering of Perovskite Solar Cells by Employing a Hydrophobic Copper Phthalocyanine Derivative as Holeâ€Transporting Material with Improved Performance and Stability. ChemSusChem, 2017, 10, 1838-1845.	3.6	54
21	High-efficiency perovskite solar cells employing a conjugated donorâ€“acceptor co-polymer as a hole-transporting material. RSC Advances, 2017, 7, 27189-27197.	1.7	27
22	Low-cost solution-processed digenite Cu₉S₅ counter electrode for dye-sensitized solar cells. RSC Advances, 2017, 7, 38452-38457.	1.7	6