Bo Hu

List of Publications by Year
in descending order

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30 papers	3,122 citations	331538 21 h-index	477173 29 g-index
31 all docs	31 docs citations	31 times ranked	2355 citing authors

#	Article	IF	Citations
1	Conjugateâ€Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. Angewandte Chemie, 2022, 134, .	1.6	7
2	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
3	Conjugateâ€Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
4	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries. Advanced Energy Materials, 2022, 12, .	10.2	40
5	An Energyâ€Dense, Powerful, Robust Bipolar Zincâ€“Ferrocene Redoxâ€Flow Battery. Angewandte Chemie, 2022, 134, .	1.6	1
6	Mitigating Ringâ€Opening to Develop Stable TEMPO Catholytes for pHâ€Neutral Allâ€Organic Redox Flow Batteries. Advanced Functional Materials, 2022, 32, .	7.8	25
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	Tanking up energy through atypical charging. Science, 2021, 372, 788-789.	6.0	15
10	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. Nature Materials, 2020, 19, 1326-1331.	13.3	90
11	Radical Charge Population and Energy: Critical Role in Redox Potential and Cycling Life of Piperidine Nitroxyl Radical Cathodes in Aqueous Zinc Hybrid Flow Batteries. ACS Applied Materials & Interfaces, 2020, 12, 43568-43575.	4.0	27
12	A pHâ€Neutral, Metalâ€Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. Angewandte Chemie, 2019, 131, 16782-16789.	1.6	63
13	Status and Prospects of Organic Redox Flow Batteries toward Sustainable Energy Storage. ACS Energy Letters, 2019, 4, 2220-2240.	8.8	327
14	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
15	Highly active nanostructured CoS2/CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. Nature Communications, 2019, 10, 3367.	5.8	212
16	An Efficient Viologen-Based Electron Donor to Nitrogenase. Biochemistry, 2019, 58, 4590-4595.	1.2	17
17	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
18	Electrochemical Dinitrogen Reduction to Ammonia by Mo₂N: Catalysis or Decomposition?. ACS Energy Letters, 2019, 4, 1053-1054.	8.8	114

#	Article	IF	Citations
19	A Sulfonate-Functionalized Viologen Enabling Neutral Cation Exchange, Aqueous Organic Redox Flow Batteries toward Renewable Energy Storage. ACS Energy Letters, 2018, 3, 663-668.	8.8	209
20	InnenrÃ¼cktitelbild: A Ï€â€Conjugation Extended Viologen as a Twoâ€Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries (Angew. Chem. 1/2018). Angewandte Chemie, 2018, 130, 365-365.	1.6	0
21	A Ï€â€Conjugation Extended Viologen as a Twoâ€Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. Angewandte Chemie, 2018, 130, 237-241.	1.6	171
22	Metal-Free Electrocatalytic Aerobic Hydroxylation of Arylboronic Acids. Organic Letters, 2018, 20, 361-364.	2.4	29
23	Improved radical stability of viologen anolytes in aqueous organic redox flow batteries. Chemical Communications, 2018, 54, 6871-6874.	2.2	140
24	A Ï€â€Conjugation Extended Viologen as a Twoâ€Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. Angewandte Chemie - International Edition, 2018, 57, 231-235.	7.2	230
25	Electrocatalytic CO2 reduction catalyzed by nitrogenase MoFe and FeFe proteins. Bioelectrochemistry, 2018, 120, 104-109.	2.4	41
26	Long-Cycling Aqueous Organic Redox Flow Battery (AORFB) toward Sustainable and Safe Energy Storage. Journal of the American Chemical Society, 2017, 139, 1207-1214.	6.6	488
27	Unraveling pH dependent cycling stability of ferricyanide/ferrocyanide in redox flow batteries. Nano Energy, 2017, 42, 215-221.	8.2	210
28	Boosting the energy efficiency and power performance of neutral aqueous organic redox flowÂbatteries. Journal of Materials Chemistry A, 2017, 5, 22137-22145.	5.2	71
29	Designer Two-Electron Storage Viologen Anolyte Materials for Neutral Aqueous Organic Redox Flow Batteries. CheM, 2017, 3, 961-978.	5.8	268
30	CdS quantum dot sensitized p-type NiO as photocathode with integrated cobaloxime in photoelectrochemical cell for water splitting. Chinese Chemical Letters, 2015, 26, 141-144.	4.8	20