Bo Hu

List of Publications by Year
in descending order

30 papers	3,122 citations	331670 21 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	2355 citing authors

#	Article	IF	Citations
1	Long-Cycling Aqueous Organic Redox Flow Battery (AORFB) toward Sustainable and Safe Energy Storage. Journal of the American Chemical Society, 2017, 139, 1207-1214.	13.7	488
2	Status and Prospects of Organic Redox Flow Batteries toward Sustainable Energy Storage. ACS Energy Letters, 2019, 4, 2220-2240.	17.4	327
3	Designer Two-Electron Storage Viologen Anolyte Materials for Neutral Aqueous Organic Redox Flow Batteries. CheM, 2017, 3, 961-978.	11.7	268
4	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.	13.8	230
5	Highly active nanostructured CoS2/CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. Nature Communications, 2019, 10, 3367.	12.8	212
6	Unraveling pH dependent cycling stability of ferricyanide/ferrocyanide in redox flow batteries. Nano Energy, 2017, 42, 215-221.	16.0	210
7	A Sulfonate-Functionalized Viologen Enabling Neutral Cation Exchange, Aqueous Organic Redox Flow Batteries toward Renewable Energy Storage. ACS Energy Letters, 2018, 3, 663-668.	17.4	209
8	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.	2.0	171
9	Improved radical stability of viologen anolytes in aqueous organic redox flow batteries. Chemical Communications, 2018, 54, 6871-6874.	4.1	140
10	A pHâ€Neutral, Metalâ€Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. Angewandte Chemie - International Edition, 2019, 58, 16629-16636.	13.8	128
11	Electrochemical Dinitrogen Reduction to Ammonia by Mo₂N: Catalysis or Decomposition?. ACS Energy Letters, 2019, 4, 1053-1054.	17.4	114
12	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. Nature Materials, 2020, 19, 1326-1331.	27.5	90
13	Boosting the energy efficiency and power performance of neutral aqueous organic redox flowÂbatteries. Journal of Materials Chemistry A, 2017, 5, 22137-22145.	10.3	71
14	A 1.51 V pH neutral redox flow battery towards scalable energy storage. Journal of Materials Chemistry A, 2019, 7, 9130-9136.	10.3	69
15	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.	13.8	67
16	A pHâ€Neutral, Metalâ€Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. Angewandte Chemie, 2019, 131, 16782-16789.	2.0	63
17	Electrocatalytic CO2 reduction catalyzed by nitrogenase MoFe and FeFe proteins. Bioelectrochemistry, 2018, 120, 104-109.	4.6	41
18	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries. Advanced Energy Materials, 2022, 12, .	19.5	40

#	Article	IF	Citations
19	Metal-Free Electrocatalytic Aerobic Hydroxylation of Arylboronic Acids. Organic Letters, 2018, 20, 361-364.	4.6	29
20	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.	8.0	27
21	Mitigating Ringâ€Opening to Develop Stable TEMPO Catholytes for pHâ€Neutral Allâ€Organic Redox Flow Batteries. Advanced Functional Materials, 2022, 32, .	14.9	25
22	Conjugateâ€Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
23	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.	9.0	20
24	An Efficient Viologen-Based Electron Donor to Nitrogenase. Biochemistry, 2019, 58, 4590-4595.	2.5	17
25	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.	2.0	17
26	Tanking up energy through atypical charging. Science, 2021, 372, 788-789.	12.6	15
27	Conjugateâ€Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. Angewandte Chemie, 2022, 134, .	2.0	7
28	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	19.5	2
29	An Energyâ€Dense, Powerful, Robust Bipolar Zincâ€"Ferrocene Redoxâ€Flow Battery. Angewandte Chemie, 2022, 134, .	2.0	1
30	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.	2.0	0