

# Bo Hu

## List of Publications by Year in descending order

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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	Conjugate-Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
2	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries (Adv.) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50</i>	19.5	2
3	Conjugate-Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
4	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	40
5	An Energy-Dense, Powerful, Robust Bipolar Zinc-Ferrocene Redox-Flow Battery. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
6	Mitigating Ring-Opening to Develop Stable TEMPO Catholytes for pH-Neutral All-Organic Redox Flow Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	25
7	Nickel-Catalyzed Electrochemical C(sp <sup>3</sup> )-C(sp <sup>2</sup> ) Cross-Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6107-6116.	13.8	67
8	Nickel-Catalyzed Electrochemical C(sp <sup>3</sup> )-C(sp <sup>2</sup> ) Cross-Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. <i>Angewandte Chemie</i> , 2021, 133, 6172-6181.	2.0	17
9	Tanking up energy through atypical charging. <i>Science</i> , 2021, 372, 788-789.	12.6	15
10	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. <i>Nature Materials</i> , 2020, 19, 1326-1331.	27.5	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43568-43575.	8.0	27
12	A pH-Neutral, Metal-Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. <i>Angewandte Chemie</i> , 2019, 131, 16782-16789.	2.0	63
13	Status and Prospects of Organic Redox Flow Batteries toward Sustainable Energy Storage. <i>ACS Energy Letters</i> , 2019, 4, 2220-2240.	17.4	327
14	A pH-Neutral, Metal-Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16629-16636.	13.8	128
15	Highly active nanostructured CoS <sub>2</sub> /CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. <i>Nature Communications</i> , 2019, 10, 3367.	12.8	212
16	An Efficient Viologen-Based Electron Donor to Nitrogenase. <i>Biochemistry</i> , 2019, 58, 4590-4595.	2.5	17
17	A 1.51 V pH neutral redox flow battery towards scalable energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9130-9136.	10.3	69
18	Electrochemical Dinitrogen Reduction to Ammonia by Mo <sub>2</sub> N: Catalysis or Decomposition?. <i>ACS Energy Letters</i> , 2019, 4, 1053-1054.	17.4	114

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19	A Sulfonate-Functionalized Viologen Enabling Neutral Cation Exchange, Aqueous Organic Redox Flow Batteries toward Renewable Energy Storage. <i>ACS Energy Letters</i> , 2018, 3, 663-668.	17.4	209
20	Innenr¼cktitelbild: A Î€Conjugation Extended Viologen as a TwoElectron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries ( <i>Angew. Chem. 1/2018</i> ). <i>Angewandte Chemie</i> , 2018, 130, 365-365.	2.0	0
21	A Î€Conjugation Extended Viologen as a TwoElectron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. <i>Angewandte Chemie</i> , 2018, 130, 237-241.	2.0	171
22	Metal-Free Electrocatalytic Aerobic Hydroxylation of Arylboronic Acids. <i>Organic Letters</i> , 2018, 20, 361-364.	4.6	29
23	Improved radical stability of viologen anolytes in aqueous organic redox flow batteries. <i>Chemical Communications</i> , 2018, 54, 6871-6874.	4.1	140
24	A Î€Conjugation Extended Viologen as a TwoElectron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 231-235.	13.8	230
25	Electrocatalytic CO2 reduction catalyzed by nitrogenase MoFe and FeFe proteins. <i>Bioelectrochemistry</i> , 2018, 120, 104-109.	4.6	41
26	Long-Cycling Aqueous Organic Redox Flow Battery (AORFB) toward Sustainable and Safe Energy Storage. <i>Journal of the American Chemical Society</i> , 2017, 139, 1207-1214.	13.7	488
27	Unraveling pH dependent cycling stability of ferricyanide/ferrocyanide in redox flow batteries. <i>Nano Energy</i> , 2017, 42, 215-221.	16.0	210
28	Boosting the energy efficiency and power performance of neutral aqueous organic redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22137-22145.	10.3	71
29	Designer Two-Electron Storage Viologen Anolyte Materials for Neutral Aqueous Organic Redox Flow Batteries. <i>CheM</i> , 2017, 3, 961-978.	11.7	268
30	CdS quantum dot sensitized p-type NiO as photocathode with integrated cobaloxime in photoelectrochemical cell for water splitting. <i>Chinese Chemical Letters</i> , 2015, 26, 141-144.	9.0	20