

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	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.	6.6	488
2	Status and Prospects of Organic Redox Flow Batteries toward Sustainable Energy Storage. <i>ACS Energy Letters</i> , 2019, 4, 2220-2240.	8.8	327
3	Designer Two-Electron Storage Viologen Anolyte Materials for Neutral Aqueous Organic Redox Flow Batteries. <i>CheM</i> , 2017, 3, 961-978.	5.8	268
4	A π -Conjugation Extended Viologen as a Two-Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 231-235.	7.2	230
5	Highly active nanostructured CoS ₂ /CoS heterojunction electrocatalysts for aqueous polysulfide/iodide redox flow batteries. <i>Nature Communications</i> , 2019, 10, 3367.	5.8	212
6	Unraveling pH dependent cycling stability of ferricyanide/ferrocyanide in redox flow batteries. <i>Nano Energy</i> , 2017, 42, 215-221.	8.2	210
7	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.	8.8	209
8	A π -Conjugation Extended Viologen as a Two-Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries. <i>Angewandte Chemie</i> , 2018, 130, 237-241.	1.6	171
9	Improved radical stability of viologen anolytes in aqueous organic redox flow batteries. <i>Chemical Communications</i> , 2018, 54, 6871-6874.	2.2	140
10	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.	7.2	128
11	Electrochemical Dinitrogen Reduction to Ammonia by Mo ₂ N: Catalysis or Decomposition?. <i>ACS Energy Letters</i> , 2019, 4, 1053-1054.	8.8	114
12	High-performance solar flow battery powered by a perovskite/silicon tandem solar cell. <i>Nature Materials</i> , 2020, 19, 1326-1331.	13.3	90
13	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.	5.2	71
14	A 1.51 V pH neutral redox flow battery towards scalable energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9130-9136.	5.2	69
15	Nickel-Catalyzed Electrochemical C ³⁺ -C ²⁺ Cross-Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6107-6116.	7.2	67
16	A pH-Neutral, Metal-Free Aqueous Organic Redox Flow Battery Employing an Ammonium Anthraquinone Anolyte. <i>Angewandte Chemie</i> , 2019, 131, 16782-16789.	1.6	63
17	Electrocatalytic CO ₂ reduction catalyzed by nitrogenase MoFe and FeFe proteins. <i>Bioelectrochemistry</i> , 2018, 120, 104-109.	2.4	41
18	A Stable, Low Permeable TEMPO Catholyte for Aqueous Total Organic Redox Flow Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	40

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19	Metal-Free Electrocatalytic Aerobic Hydroxylation of Arylboronic Acids. <i>Organic Letters</i> , 2018, 20, 361-364.	2.4	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. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43568-43575.	4.0	27
21	Mitigating Ring-Opening to Develop Stable TEMPO Catholytes for pH-Neutral All-Organic Redox Flow Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	25
22	Conjugate-Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	24
23	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.	4.8	20
24	An Efficient Viologen-Based Electron Donor to Nitrogenase. <i>Biochemistry</i> , 2019, 58, 4590-4595.	1.2	17
25	Nickel-Catalyzed Electrochemical C(sp ³)-C(sp ²) Cross-Coupling Reactions of Benzyl Trifluoroborate and Organic Halides**. <i>Angewandte Chemie</i> , 2021, 133, 6172-6181.	1.6	17
26	Tanking up energy through atypical charging. <i>Science</i> , 2021, 372, 788-789.	6.0	15
27	Conjugate-Driven Electron Density Delocalization of Piperidine Nitroxyl Radical for Stable Aqueous Zinc Hybrid Flow Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
28	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>	10.2	2
29	An Energy-Dense, Powerful, Robust Bipolar Zinc-Ferrocene Redox-Flow Battery. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
30	Innenr¼cktitelbild: A -Conjugation Extended Viologen as a Two-Electron Storage Anolyte for Total Organic Aqueous Redox Flow Batteries (<i>Angew. Chem.</i> 1/2018). <i>Angewandte Chemie</i> , 2018, 130, 365-365.	1.6	0