Yun Zhao

List of Publications by Year
in descending order

17	1,632	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	1638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A shorted membrane electrochemical cell powered by hydrogen to remove CO2 from the air feed of hydroxide exchange membrane fuel cells. Nature Energy, 2022, 7, 238-247.	39.5	24
2	A high-performance 75ÂW direct ammonia fuel cell stack. Cell Reports Physical Science, 2022, 3, 100829.	5.6	6
3	A high-performance hydroxide exchange membrane enabled by Cu2+-crosslinked chitosan. Nature Nanotechnology, 2022, 17, 629-636.	31.5	50
4	Hydrogen-powered Electrochemically-driven CO₂ Removal from Air Containing 400 to 5000 ppm CO₂. Journal of the Electrochemical Society, 2022, 169, 073503.	2.9	1
5	Water-Fed Hydroxide Exchange Membrane Electrolyzer Enabled by a Fluoride-Incorporated Nickelâ€“Iron Oxyhydroxide Oxygen Evolution Electrode. ACS Catalysis, 2021, 11, 264-270.	11.2	101
6	Improving Performance and Durability of Low Temperature Direct Ammonia Fuel Cells: Effect of Backpressure and Oxygen Reduction Catalysts. Journal of the Electrochemical Society, 2021, 168, 014507.	2.9	9
7	A High-Performance Gas-Fed Direct Ammonia Hydroxide Exchange Membrane Fuel Cell. ACS Energy Letters, 2021, 6, 1996-2002.	17.4	22
8	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. Energy and Environmental Science, 2021, 14, 1449-1460.	30.8	100
9	Low-temperature direct ammonia fuel cells: Recent developments and remaining challenges. Current Opinion in Electrochemistry, 2020, 21, 335-344.	4.8	47
10	A Direct Ammonia Fuel Cell with a KOH-Free Anode Feed Generating 180 mW cm^{â˜'2} at 120 Â°C. Journal of the Electrochemical Society, 2020, 167, 134518.	2.9	19
11	An Efficient Direct Ammonia Fuel Cell for Affordable Carbon-Neutral Transportation. Joule, 2019, 3, 2472-2484.	24.0	227
12	Poly(aryl piperidinium) membranes and ionomers for hydroxide exchange membrane fuel cells. Nature Energy, 2019, 4, 392-398.	39.5	570
13	A Roadmap to Lowâ€Cost Hydrogen with Hydroxide Exchange Membrane Electrolyzers. Advanced Materials, 2019, 31, e1805876.	21.0	184
14	A quaternary-ammonium-functionalized covalent organic framework for anion conduction. CrystEngComm, 2017, 19, 4905-4910.	2.6	49
15	Lowâ€Voltage Gaseous HCl Electrolysis with an Iron Redoxâ€Mediated Cathode for Chlorine Regeneration. Angewandte Chemie - International Edition, 2017, 56, 10735-10739.	13.8	7
16	Lowâ€Voltage Gaseous HCl Electrolysis with an Iron Redoxâ€Mediated Cathode for Chlorine Regeneration. Angewandte Chemie, 2017, 129, 10875-10879.	2.0	3
17	All-Soluble All-Iron Aqueous Redox-Flow Battery. ACS Energy Letters, 2016, 1, 89-93.	17.4	213