

Wending Pan

List of Publications by Year in descending order

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15
papers

481
citations

840585

11
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	A low-cost and dendrite-free rechargeable aluminium-ion battery with superior performance. Journal of Materials Chemistry A, 2019, 7, 17420-17425.	5.2	111
2	Parametric study and optimization of a low-cost paper-based Al-air battery with corrosion inhibition ability. Applied Energy, 2019, 251, 113342.	5.1	60
3	Innovative paper-based Al-air batteries as a low-cost and green energy technology for the miniwatt market. Journal of Power Sources, 2019, 414, 278-282.	4.0	53
4	Combining Al-air battery with paper-making industry, a novel type of flexible primary battery technology. Electrochimica Acta, 2019, 319, 947-957.	2.6	46
5	High-Performance Aqueous Na ⁺ /Zn Hybrid Ion Battery Boosted by "Water-in-Gel" Electrolyte. Advanced Functional Materials, 2021, 31, 2008783.	7.8	45
6	Liquid-free Al-air batteries with paper-based gel electrolyte: A green energy technology for portable electronics. Journal of Power Sources, 2019, 437, 226896.	4.0	38
7	Printing Al-air batteries on paper for powering disposable printed electronics. Journal of Power Sources, 2020, 450, 227685.	4.0	26
8	High-Performance MnO ₂ /Al Battery with In Situ Electrochemically Reformed Al _x MnO ₂ Nanosphere Cathode. Small Methods, 2021, 5, e2100491.	4.6	25
9	Flexible direct formate paper fuel cells with high performance and great durability. Journal of Power Sources, 2021, 490, 229526.	4.0	24
10	High-Energy SWCNT Cathode for Aqueous Al ⁺ Ion Battery Boosted by Multi-Ion Intercalation Chemistry. Advanced Energy Materials, 2021, 11, 2101514.	10.2	23
11	Solid-state Al-air battery with an ethanol gel electrolyte. Green Energy and Environment, 2023, 8, 1117-1127.	4.7	12
12	Integrating micro metal-air batteries in lateral flow test for point-of-care applications. International Journal of Energy Research, 2022, 46, 137-146.	2.2	7
13	Aluminum-air battery with cotton substrate: Controlling the discharge capacity by electrolyte pre-deposition. Green Energy and Environment, 2023, 8, 757-766.	4.7	5
14	Paper-based aqueous Al ion battery with water-in-salt electrolyte. Green Energy and Environment, 2023, 8, 1380-1388.	4.7	5
15	High-Energy SWCNT Cathode for Aqueous Al ⁺ Ion Battery Boosted by Multi-Ion Intercalation Chemistry (Adv. Energy Mater. 39/2021). Advanced Energy Materials, 2021, 11, 2170155.	10.2	1