

Fangzhou Wang

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

306
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

332
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of solvent for tailoring the nanomorphology of multinary CuCo ₂ S ₄ for overall water splitting and energy storage. Journal of Alloys and Compounds, 2019, 784, 1-7.	5.5	62
2	The stagnant thermal conductivity of porous media predicted by the random walk theory. International Journal of Heat and Mass Transfer, 2017, 107, 520-533.	4.8	41
3	Pore-Scale Simulations of Porous Electrodes of Li ⁺ O ₂ Batteries at Different Saturation Levels. ACS Applied Materials & Interfaces, 2018, 10, 26222-26232.	8.0	30
4	Influence of the Oxygen Electrode Open Ratio and Electrolyte Evaporation on the Performance of Li ⁺ O ₂ Batteries. ACS Applied Materials & Interfaces, 2017, 9, 15459-15469.	8.0	29
5	Effects of the Electrode Wettability on the Deep Discharge Capacity of Li ⁺ O ₂ Batteries. ACS Omega, 2018, 3, 6006-6012.	3.5	27
6	Review and Recent Advances in Mass Transfer in Positive Electrodes of Aprotic Li ⁺ O ₂ Batteries. ACS Applied Energy Materials, 2020, 3, 2258-2270.	5.1	26
7	High areal capacity, long cycle life Li-O ₂ cathode based on highly elastic gel granules. Nano Energy, 2018, 47, 353-360.	16.0	19
8	Predicting thermal and mechanical performance of stochastic and architected foams. International Journal of Heat and Mass Transfer, 2021, 171, 121139.	4.8	18
9	Experimental Studies of Salt Concentration in Electrolyte on the Performance of Li-O ₂ Batteries at Various Current Densities. Journal of the Electrochemical Society, 2016, 163, A2623-A2627.	2.9	13
10	Discharge Li-O ₂ batteries with intermittent current. Journal of Power Sources, 2018, 394, 50-56.	7.8	13
11	Effects of Porous Structure on Oxygen Mass Transfer in Air Cathodes of Nonaqueous Metal ⁺ Air Batteries: A Mini-review. ACS Applied Energy Materials, 2022, 5, 5473-5483.	5.1	10
12	Pore-Scale Prediction of the oxygen effective diffusivity in porous battery electrodes using the random walk theory. International Journal of Heat and Mass Transfer, 2022, 183, 122085.	4.8	8
13	Experimental Studies of Carbon Electrodes With Various Surface Area for Li ⁺ O ₂ Batteries. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	2.1	7
14	A Modeling Study of Discharging Li-O ₂ Batteries With Various Electrolyte Concentrations. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, .	2.1	3