# Fangzhou Wang

List of Publications by Year
in descending order



| 14 | 306 | 933447 10 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 14 | 14 | 14 | 332 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Effects of Porous Structure on Oxygen Mass Transfer in Air Cathodes of Nonaqueous Metalâ€“Air Batteries: A Mini-review. ACS Applied Energy Materials, 2022, 5, 5473-5483. | 5.1 | 10 |
| 3 | Predicting thermal and mechanical performance of stochastic and architected foams. International Journal of Heat and Mass Transfer, 2021, 171, 121139. | 4.8 | 18 |
| 4 | A Modeling Study of Discharging Li-O2 Batteries With Various Electrolyte Concentrations. Journal of Electrochemical Energy Conversion and Storage, 2021, 18, . | 2.1 | 3 |
| 5 | Review and Recent Advances in Mass Transfer in Positive Electrodes of Aprotic Liâ€“O<sub>2</sub> Batteries. ACS Applied Energy Materials, 2020, 3, 2258-2270. | 5.1 | 26 |
| 6 | Experimental Studies of Carbon Electrodes With Various Surface Area for Liâ€“O2 Batteries. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, . | 2.1 | 7 |
| 7 | Effect of solvent for tailoring the nanomorphology of multinary CuCo2S4 for overall water splitting and energy storage. Journal of Alloys and Compounds, 2019, 784, 1-7. | 5.5 | 62 |
| 8 | High areal capacity, long cycle life Li-O2 cathode based on highly elastic gel granules. Nano Energy, 2018, 47, 353-360. | 16.0 | 19 |
| 9 | Discharge Li-O2 batteries with intermittent current. Journal of Power Sources, 2018, 394, 50-56. | 7.8 | 13 |
| 10 | Pore-Scale Simulations of Porous Electrodes of Liâ€“O<sub>2</sub> Batteries at Different Saturation Levels. ACS Applied Materials & Interfaces, 2018, 10, 26222-26232. | 8.0 | 30 |
| 11 | Effects of the Electrode Wettability on the Deep Discharge Capacity of Liâ€“O<sub>2</sub> Batteries. ACS Omega, 2018, 3, 6006-6012. | 3.5 | 27 |
| 12 | Influence of the Oxygen Electrode Open Ratio and Electrolyte Evaporation on the Performance of Liâ€“O<sub>2</sub> Batteries. ACS Applied Materials & Interfaces, 2017, 9, 15459-15469. | 8.0 | 29 |
| 13 | 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 |
| 14 | Experimental Studies of Salt Concentration in Electrolyte on the Performance of Li-O<sub>2</sub>Batteries at Various Current Densities. Journal of the Electrochemical Society, 2016, 163, A2623-A2627. | 2.9 | 13 |