

# Zhirong Liao

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

232  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional multiphase modeling of a proton exchange membrane electrolysis cell with a new interdigitated-jet hole flow field. <i>Science China Technological Sciences</i> , 2022, 65, 1179-1192.	4.0	17
2	Numerical investigation of water and temperature distributions in a proton exchange membrane electrolysis cell. <i>Science China Technological Sciences</i> , 2021, 64, 1555-1566.	4.0	28
3	A Study of Manufacturing Processes of Composite Form-Stable Phase Change Materials Based on $\text{Ca}(\text{NO}_3)_2 \cdot \text{NaNO}_3$ and Expanded Graphite. <i>Materials</i> , 2020, 13, 5368.	2.9	9
4	The evolution of the mushy zone during the melting process of a binary nitrate salt. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118456.	4.8	6
5	Numerical study on the desorption process of a thermochemical reactor filled with $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ for seasonal heat storage. <i>Applied Thermal Engineering</i> , 2019, 146, 785-794.	6.0	24
6	Efficiency analyses of high temperature thermal energy storage systems of rocks only and rock-PCM capsule combination. <i>Solar Energy</i> , 2018, 162, 153-164.	6.1	49
7	Cyclic performance analysis of a high temperature flat plate thermal energy storage unit with phase change material. <i>Applied Thermal Engineering</i> , 2018, 144, 1126-1136.	6.0	5
8	Experimental and Numerical Study of an Electrical Thermal Storage Device for Space Heating. <i>Energies</i> , 2018, 11, 2180.	3.1	12
9	Phase change of molten salt during the cold filling of a receiver tube. <i>Solar Energy</i> , 2014, 101, 254-264.	6.1	11
10	Allowable flux density on a solar central receiver. <i>Renewable Energy</i> , 2014, 62, 747-753.	8.9	71