

Zhirong Liao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3471119/publications.pdf>

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	Allowable flux density on a solar central receiver. <i>Renewable Energy</i> , 2014, 62, 747-753.	8.9	71
2	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
3	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
4	Numerical study on the desorption process of a thermochemical reactor filled with $MgCl_2 \cdot 6H_2O$ for seasonal heat storage. <i>Applied Thermal Engineering</i> , 2019, 146, 785-794.	6.0	24
5	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
6	Experimental and Numerical Study of an Electrical Thermal Storage Device for Space Heating. <i>Energies</i> , 2018, 11, 2180.	3.1	12
7	Phase change of molten salt during the cold filling of a receiver tube. <i>Solar Energy</i> , 2014, 101, 254-264.	6.1	11
8	A Study of Manufacturing Processes of Composite Form-Stable Phase Change Materials Based on $Ca(NO_3)_2 \cdot NaNO_3$ and Expanded Graphite. <i>Materials</i> , 2020, 13, 5368.	2.9	9
9	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
10	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