Chunrong Zhao

List of Publications by Year
in descending order

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15 papers	850 citations	759190 12 h-index	996954 15 g-index
15 all docs	15 docs citations	15 times ranked	407 citing authors

#	Article	IF	Citations
1	Review of analytical studies of melting rate enhancement with fin and/or foam inserts. Applied Thermal Engineering, 2022, 207, 118154.	6.0	26
2	A review of high temperature (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 thermal energy storage. Renewable and Sustainable Energy Reviews, 2022, 160, 112293.	16.4	43
3	The applicability of volume-averaging method to simulate melting in a multi-scaled periodic structure. Energy, 2022, 248, 123636.	8.8	5
4	Assessment of RANS turbulence models on predicting supercritical heat transfer in highly buoyant horizontal flows. Case Studies in Thermal Engineering, 2022, 34, 102057.	5.7	4
5	Fin design optimization to enhance PCM melting rate inside a rectangular enclosure. Applied Energy, 2022, 321, 119368.	10.1	40
6	Periodic structures for melting enhancement: observation of critical cell size and localized melting. International Journal of Heat and Mass Transfer, 2022, 195, 123107.	4.8	4
7	Simulations of melting performance enhancement for a PCM embedded in metal periodic structures. International Journal of Heat and Mass Transfer, 2021, 168, 120853.	4.8	40
8	Investigation of the effect of thermal resistance on the performance of phase change materials. International Journal of Thermal Sciences, 2021, 164, 106852.	4.9	16
9	A comprehensive study on a novel transcritical CO2 heat pump for simultaneous space heating and cooling â€“ Concepts and initial performance. Energy Conversion and Management, 2021, 243, 114397.	9.2	18
10	Phase change behaviour study of PCM tanks partially filled with graphite foam. Applied Thermal Engineering, 2021, 196, 117313.	6.0	46
11	Influence of cascaded graphite foams on thermal performance of high temperature phase change material storage systems. Applied Thermal Engineering, 2020, 180, 115618.	6.0	31
12	Numerical study of melting performance enhancement for PCM in an annular enclosure with internal-external fins and metal foams. International Journal of Heat and Mass Transfer, 2020, 150, 119348.	4.8	129
13	Thermal modeling of full-size-scale cylindrical battery pack cooled by channeled liquid flow. International Journal of Heat and Mass Transfer, 2019, 138, 1178-1187.	4.8	89
14	Minimization of thermal non-uniformity in lithium-ion battery pack cooled by channeled liquid flow. International Journal of Heat and Mass Transfer, 2019, 129, 660-670.	4.8	138
15	Thermal behavior study of discharging/charging cylindrical lithium-ion battery module cooled by channeled liquid flow. International Journal of Heat and Mass Transfer, 2018, 120, 751-762.	4.8	221