

Zhenfei Feng

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

390
citations

1040056

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1125743

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all docs

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docs citations

13
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation on laminar flow and heat transfer in rectangular microchannel heat sink with wire coil inserts. <i>Applied Thermal Engineering</i> , 2017, 116, 597-609.	6.0	74
2	Experimental investigation of laminar flow and heat transfer characteristics in square minichannels with twisted tapes. <i>International Journal of Heat and Mass Transfer</i> , 2020, 158, 119947.	4.8	47
3	Effects of geometric parameters of circular pin-fins on fluid flow and heat transfer in an interrupted microchannel heat sink. <i>International Journal of Thermal Sciences</i> , 2021, 165, 106956.	4.9	46
4	Effects of electric field on flow boiling heat transfer in a vertical minichannel heat sink. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 726-741.	4.8	39
5	Preparation of sugarcane bagasse succinate/alginate porous gel beads via a self-assembly strategy: Improving the structural stability and adsorption efficiency for heavy metal ions. <i>Bioresource Technology</i> , 2020, 306, 123128.	9.6	39
6	Fast-thermoresponsive carboxylated carbon nanotube/chitosan aerogels with switchable wettability for oil/water separation. <i>Journal of Hazardous Materials</i> , 2022, 433, 128808.	12.4	39
7	Effects of truncated and offset pin-fins on hydrothermal performance and entropy generation in a rectangular microchannel heat sink with variable fluid properties. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105258.	5.6	35
8	Effects of regular triangular prisms on thermal and hydraulic characteristics in a minichannel heat sink. <i>International Journal of Heat and Mass Transfer</i> , 2022, 188, 122583.	4.8	25
9	Numerical investigation on thermal-hydraulic characteristics in a mini-channel with trapezoidal cross-section longitudinal vortex generators. <i>Applied Thermal Engineering</i> , 2022, 205, 118004.	6.0	15
10	A stepwise processing strategy for treating highly acidic wastewater and comprehensive utilization of the products derived from different treating steps. <i>Chemosphere</i> , 2021, 280, 130646.	8.2	10
11	Enhanced Thermal Stability and Flame Retardancy of Poly(Vinyl Chloride) Based Composites by Magnesium Borate Hydrate-Mechanically Activated Lignin. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3842-3856.	3.7	8
12	Numerical investigation on hydraulic and thermal performances of a mini-channel heat sink with twisted ribs. <i>International Journal of Thermal Sciences</i> , 2022, 179, 107718.	4.9	8
13	Effects of longitudinal vortex generator pairs in transverse microchambers on thermal-hydraulic performances and entropy generation in an interrupted microchannel heat sink. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 8551-8567.	3.6	5