

Tong-Bou Chang

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

185
citations

1307366

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1199470

12
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27
all docs

27
docs citations

27
times ranked

148
citing authors

#	ARTICLE	IF	CITATIONS
1	Ventilation Performance Evaluation of a Negative-Pressurized Isolation Room for Emergency Departments. <i>Healthcare (Switzerland)</i> , 2022, 10, 193.	1.0	2
2	Analytical Investigation into Effects of Capillary Force on Condensate Film Flowing over Horizontal Semicircular Tube in Porous Medium. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-10.	0.6	2
3	Optimization of Cyclone-Type Rotary Kiln Reactor for Carbonation of BOF Slag. <i>Sustainability</i> , 2021, 13, 11556.	1.6	3
4	High-Efficiency HVAC System with Defog/Dehumidification Function for Electric Vehicles. <i>Energies</i> , 2021, 14, 46.	1.6	11
5	CFD simulations of rotary BOF slag carbonation kiln reactor with cyclone flow. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020, 234, 37-45.	1.4	4
6	Effects of spray operating time on spray cooling heat transfer performance and surface hydrophilicity using Al ₂ O ₃ -water nanofluid. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 2897-2904.	0.7	5
7	Vehicle air leakage ventilation and its effect on cabin indoor air quality. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017, 231, 1226-1234.	1.4	8
8	Experimental investigation into deposition/splashing behavior of droplets impacting vibrating surface. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773000.	0.8	4
9	Water and energy conservation for a counterflow cooling tower using UV light disinfection and variable speed fan. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2016, 230, 235-243.	1.4	5
10	Experimental investigation into effects of ultrasonic vibration on pool boiling heat transfer performance of horizontal low-finned U-tube in TiO ₂ /R141b nanofluid. <i>Heat and Mass Transfer</i> , 2016, 52, 2381-2390.	1.2	14
11	Formation of Nano-Adsorption Layer and Its Effects on Nanofluid Spray Heat Transfer Performance. <i>Journal of Heat Transfer</i> , 2015, 137, .	1.2	6
12	Heat transfer enhancement of pool boiling for a horizontal U-tube using TiO ₂ -R141b nanofluid. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 5197-5204.	0.7	4
13	Improving indoor air quality and thermal comfort by total heat exchanger for an office building in hot and humid climate. <i>HVAC and R Research</i> , 2014, 20, 731-737.	0.9	9
14	Theoretical Analysis of Effects of Wall Suction on Entropy Generation Rate in Laminar Condensate Layer on Horizontal Tube. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	0.6	1
15	Heat transfer performance of jet impingement flow boiling using Al ₂ O ₃ -water nanofluid. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1559-1566.	0.7	16
16	Effects of spray axis incident angle on heat transfer performance of rhombus-pitch shell-and-tube interior spray evaporator. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 681-688.	0.7	4
17	Effects of particle volume fraction on spray heat transfer performance of Al ₂ O ₃ -water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1014-1021.	2.5	43
18	Theoretical investigation into condensation heat transfer on horizontal elliptical tube in stationary saturated vapor with wall suction. <i>Applied Thermal Engineering</i> , 2011, 31, 946-953.	3.0	15

#	ARTICLE	IF	CITATIONS
19	Heat Transfer Enhancement of Square-Pitch Shell-and-Tube Spray Evaporator Using Interior Spray Nozzles. Heat Transfer Engineering, 2011, 32, 14-19.	1.2	4
20	10.2478/s11814-009-0213-8. , 2011, 26, 1226.		0
21	Network numerical simulation of two-dimensional nonlinear micropolar hydrodynamics in a Darcian porous medium. Korean Journal of Chemical Engineering, 2009, 26, 1226-1234.	1.2	7
22	Film condensation on horizontal tube with wall suction effects. Journal of Mechanical Science and Technology, 2009, 23, 3399-3406.	0.7	6
23	Laminar Filmwise Condensation on Horizontal Disk Embedded in Porous Medium With Suction at Wall. Journal of Heat Transfer, 2008, 130, .	1.2	7
24	Heat Transfer and Second Law Analyses for Laminar Film Condensation on a Finite-Size Horizontal Disk. Journal of Thermal Science and Technology, 2007, 2, 31-42.	0.6	0
25	OPTIMIZATION OF REALISTIC REFRIGERATION PLANT UNDER FIXED TOTAL THERMAL CONDUCTANCE CONSTRAINT. Transactions of the Canadian Society for Mechanical Engineering, 2007, 31, 243-253.	0.3	0
26	Internal Irreversibility Analysis and Optimization of a Refrigeration Plant. JSME International Journal Series B, 2006, 49, 1260-1265.	0.3	2
27	Experimental investigation into spray cooling heat transfer performance of Al ₂ O ₃ -water nanofluid with different subcooling degrees. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110378.	1.4	3