

# Tong-Bou Chang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8634541/publications.pdf>

Version: 2024-02-01

27  
papers

185  
citations

1307366

7  
h-index

1199470

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of particle volume fraction on spray heat transfer performance of Al <sub>2</sub> O <sub>3</sub> -water nanofluid. International Journal of Heat and Mass Transfer, 2012, 55, 1014-1021.	2.5	43
2	Heat transfer performance of jet impingement flow boiling using Al <sub>2</sub> O <sub>3</sub> -water nanofluid. Journal of Mechanical Science and Technology, 2014, 28, 1559-1566.	0.7	16
3	Theoretical investigation into condensation heat transfer on horizontal elliptical tube in stationary saturated vapor with wall suction. Applied Thermal Engineering, 2011, 31, 946-953.	3.0	15
4	Experimental investigation into effects of ultrasonic vibration on pool boiling heat transfer performance of horizontal low-finned U-tube in TiO <sub>2</sub> /R141b nanofluid. Heat and Mass Transfer, 2016, 52, 2381-2390.	1.2	14
5	High-Efficiency HVAC System with Defog/Dehumidification Function for Electric Vehicles. Energies, 2021, 14, 46.	1.6	11
6	Improving indoor air quality and thermal comfort by total heat exchanger for an office building in hot and humid climate. HVAC and R Research, 2014, 20, 731-737.	0.9	9
7	Vehicle air leakage ventilation and its effect on cabin indoor air quality. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 1226-1234.	1.4	8
8	Laminar Filmwise Condensation on Horizontal Disk Embedded in Porous Medium With Suction at Wall. Journal of Heat Transfer, 2008, 130, .	1.2	7
9	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
10	Film condensation on horizontal tube with wall suction effects. Journal of Mechanical Science and Technology, 2009, 23, 3399-3406.	0.7	6
11	Formation of Nano-Adsorption Layer and Its Effects on Nanofluid Spray Heat Transfer Performance. Journal of Heat Transfer, 2015, 137, .	1.2	6
12	Water and energy conservation for a counterflow cooling tower using UV light disinfection and variable speed fan. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2016, 230, 235-243.	1.4	5
13	Effects of spray operating time on spray cooling heat transfer performance and surface hydrophilicity using Al <sub>2</sub> O <sub>3</sub> -water nanofluid. Journal of Mechanical Science and Technology, 2018, 32, 2897-2904.	0.7	5
14	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
15	Effects of spray axis incident angle on heat transfer performance of rhombus-pitch shell-and-tube interior spray evaporator. Journal of Mechanical Science and Technology, 2012, 26, 681-688.	0.7	4
16	Heat transfer enhancement of pool boiling for a horizontal U-tube using TiO <sub>2</sub> -R141b nanofluid. Journal of Mechanical Science and Technology, 2014, 28, 5197-5204.	0.7	4
17	Experimental investigation into deposition/splashing behavior of droplets impacting vibrating surface. Advances in Mechanical Engineering, 2017, 9, 168781401773000.	0.8	4
18	CFD simulations of rotary BOF slag carbonation kiln reactor with cyclone flow. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 37-45.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Experimental investigation into spray cooling heat transfer performance of Al <sub>2</sub> O <sub>3</sub> -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
20	Optimization of Cyclone-Type Rotary Kiln Reactor for Carbonation of BOF Slag. Sustainability, 2021, 13, 11556.	1.6	3
21	Internal Irreversibility Analysis and Optimization of a Refrigeration Plant. JSME International Journal Series B, 2006, 49, 1260-1265.	0.3	2
22	Analytical Investigation into Effects of Capillary Force on Condensate Film Flowing over Horizontal Semicircular Tube in Porous Medium. Mathematical Problems in Engineering, 2021, 2021, 1-10.	0.6	2
23	Ventilation Performance Evaluation of a Negative-Pressurized Isolation Room for Emergency Departments. Healthcare (Switzerland), 2022, 10, 193.	1.0	2
24	Theoretical Analysis of Effects of Wall Suction on Entropy Generation Rate in Laminar Condensate Layer on Horizontal Tube. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	1
25	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
26	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
27	10.2478/s11814-009-0213-8. , 2011, 26, 1226.		0