

Chuan-Chieh Liao

List of Publications by Year in descending order

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15
papers

494
citations

1163117

8
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating flows with moving rigid boundary using immersed-boundary method. Computers and Fluids, 2010, 39, 152-167.	2.5	168
2	Mixed convection of a heated rotating cylinder in a square enclosure. International Journal of Heat and Mass Transfer, 2014, 72, 9-22.	4.8	93
3	Influences of a confined elliptic cylinder at different aspect ratios and inclinations on the laminar natural and mixed convection flows. International Journal of Heat and Mass Transfer, 2012, 55, 6638-6650.	4.8	51
4	Simulations of natural and forced convection flows with moving embedded object using immersed boundary method. Computer Methods in Applied Mechanics and Engineering, 2012, 213-216, 58-70.	6.6	41
5	Influence of Prandtl number on the instability of natural convection flows within a square enclosure containing an embedded heated cylinder at moderate Rayleigh number. Physics of Fluids, 2015, 27, .	4.0	33
6	Simulations of two sedimenting-interacting spheres with different sizes and initial configurations using immersed boundary method. Computational Mechanics, 2015, 55, 1191-1200.	4.0	30
7	Heat transfer transitions of natural convection flows in a differentially heated square enclosure filled with nanofluids. International Journal of Heat and Mass Transfer, 2017, 115, 625-634.	4.8	26
8	Transitions of natural convection flows in a square enclosure with a heated circular cylinder. Applied Thermal Engineering, 2014, 72, 41-47.	6.0	23
9	Assessment of the magnetic field influence on heat transfer transition of natural convection within a square cavity. Case Studies in Thermal Engineering, 2021, 28, 101638.	5.7	9
10	Analysis of heat transfer transition of thermally driven flow within a square enclosure under effects of inclined magnetic field. International Communications in Heat and Mass Transfer, 2022, 130, 105817.	5.6	7
11	Effect of different magnetic field angles on the relationship between nanofluid concentration and heat transfer. International Communications in Heat and Mass Transfer, 2022, 135, 106137.	5.6	6
12	Chamfer-Type Capillary Stop Valve and Its Microfluidic Application to Blood Typing Tests. SLAS Technology, 2019, 24, 188-195.	1.9	4
13	Avoidance of Particle Accumulation in a Coating Diffuser during Dilute-Phase Pneumatic Conveying: A Case Study through Computational Fluid Dynamics. Industrial & Engineering Chemistry Research, 2022, 61, 855-865.	3.7	2
14	A two-phase model for studying the complex interplay between natural convection and magnetic field in aluminum-oxide/water nanofluid. Numerical Heat Transfer; Part A: Applications, 0, , 1-14.	2.1	1
15	Influence of Inclined Magnetic Field on Heat Transfer Transitions of Nanofluids Flow. , 2021, , .		0