

Mohammad Z Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

291
citations

840119

11
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

83
citing authors

#	ARTICLE	IF	CITATIONS
1	Instabilities of natural convection in a periodically heated layer. Journal of Fluid Mechanics, 2013, 733, 33-67.	1.4	45
2	Drag reduction due to spatial thermal modulations. Journal of Fluid Mechanics, 2012, 713, 398-419.	1.4	38
3	FULLY DEVELOPED FLOW STRUCTURES AND HEAT TRANSFER IN SINE-SHAPED WAVY CHANNELS. International Communications in Heat and Mass Transfer, 2004, 31, 887-896.	2.9	32
4	Mixed convection in a periodically heated channel. Journal of Fluid Mechanics, 2015, 768, 51-90.	1.4	27
5	Drag reduction in a thermally modulated channel. Journal of Fluid Mechanics, 2016, 791, 122-153.	1.4	27
6	Natural convection in a fluid layer periodically heated from above. Physical Review E, 2014, 90, 023015.	0.8	22
7	On the role of surface grooves in the reduction of pressure losses in heated channels. Physics of Fluids, 2020, 32, .	1.6	20
8	Natural convection in a horizontal fluid layer periodically heated from above and below. Physical Review E, 2015, 92, 023015.	0.8	19
9	Heat Transfer Due to Natural Convection in a Periodically Heated Slot. Journal of Heat Transfer, 2013, 135, .	1.2	18
10	Heating-induced drag reduction in relative movement of parallel plates. Physical Review Fluids, 2018, 3, .	1.0	16
11	Rayleigh-Bénard convection driven by a long wavelength heating. Theoretical and Computational Fluid Dynamics, 2016, 30, 313-337.	0.9	12
12	Wavenumber lock-in and spatial parametric resonance in convection. Journal of Fluid Mechanics, 2022, 944, .	1.4	6
13	Modified Rayleigh-Bénard convection driven by long-wavelength heating from above and below. Theoretical and Computational Fluid Dynamics, 2019, 33, 37-57.	0.9	3
14	A spectral/ hp element method for thermal convection. International Journal for Numerical Methods in Fluids, 2021, 93, 2380-2395.	0.9	3
15	Numerical solution for Kapitza waves on a thin liquid film. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	2
16	Numerical Bifurcation Study of Natural Convection in a Layer of Fluid Subject to Spatially Distributed Heating. , 2011, , .		1