

Hossein Amiri

List of Publications by Year in descending order

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1040056

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139
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#	ARTICLE	IF	CITATIONS
1	Analysis of radiative heat transfer in two-dimensional irregular geometries by developed immersed boundary lattice Boltzmann method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 280, 108086.	2.3	20
2	A direct-forcing IB-LBM implementation for thermal radiation in irregular geometries. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11169-11181.	3.6	17
3	Energy and exergy analysis of a new solar still composed of parabolic trough collector with built-in solar still. Renewable Energy, 2021, 163, 465-479.	8.9	42
4	Nongray inverse boundary design problems in enclosures at radiative equilibrium. Heat Transfer - Asian Research, 2019, 48, 2497-2525.	2.8	1
5	Analysis of spectral radiative entropy generation in a non-gray planar participating medium at radiative equilibrium with two different boundary conditions. International Journal of Thermal Sciences, 2019, 146, 106073.	4.9	10
6	Application of metaheuristic algorithms for solving inverse radiative boundary design problems with discrete power levels. International Journal of Thermal Sciences, 2019, 137, 539-551.	4.9	8
7	Spectral radiative entropy generation in a non-gray planar participating medium including H ₂ O and CO ₂ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 227, 32-46.	2.3	10
8	Line by line benchmark solutions for radiative heat transfer in 2D irregular enclosures with non-gray media. International Journal of Thermal Sciences, 2018, 133, 307-319.	4.9	7
9	Inverse Boundary Design Problems in Enclosures With Non-Gray Media. Heat Transfer Engineering, 2017, 38, 227-243.	1.9	7
10	Coupled radiative-conductive heat transfer problems in complex geometries using embedded boundary method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2847-2864.	1.6	18
11	Comparison of CK model and line by line method using old and updated parameters/databases. International Journal of Thermal Sciences, 2017, 118, 448-460.	4.9	9
12	Comparison of the blocked-off and embedded boundary methods in radiative heat transfer problems in 2D complex enclosures at radiative equilibrium. Journal of Mechanical Science and Technology, 2017, 31, 3539-3551.	1.5	7
13	Comparison of global radiative models in two-dimensional enclosures at radiative equilibrium. International Journal of Thermal Sciences, 2016, 104, 423-436.	4.9	13
14	A Parametric Study of Optimal Number and Location of Radiant Heaters in Enclosures with Participating Media. Scientia Iranica, 2016, 23, 206-217.	0.4	4
15	Natural element method for NON-GRAY radiation heat transfer problems. International Journal of Thermal Sciences, 2015, 95, 9-20.	4.9	7
16	Inverse Optimal Design of Radiant Enclosures With Participating Media: A Parametric Study. Heat Transfer Engineering, 2013, 34, 288-302.	1.9	12
17	The Optimal Number and Location of Discrete Radiant Heaters in Enclosures with the Participating Media Using the Micro Genetic Algorithm. Numerical Heat Transfer; Part A: Applications, 2011, 60, 461-483.	2.1	9
18	Application of the modified discrete ordinates method with the concept of blocked-off region to irregular geometries. International Journal of Thermal Sciences, 2011, 50, 515-524.	4.9	39