

# Hossein Amiri

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

240  
citations

1040056

9  
h-index

996975

15  
g-index

19  
all docs

19  
docs citations

19  
times ranked

139  
citing authors

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