

Malaikannan G

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

55
citations

2258059

3
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into flow and heat transfer aspects of hypersonic rarefied flow over a blunt body with aerospike using direct simulation Monte-Carlo approach. <i>Aerospace Science and Technology</i> , 2017, 66, 119-128.	4.8	33
2	Molecular Dynamics Study of Gas-Surface Interactions in a Force-Driven Flow of Argon through a Rectangular Nanochannel. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2016, 20, 121-136.	2.6	8
3	Hybrid particle-particle numerical algorithm for high speed non-equilibrium flows. <i>Computers and Fluids</i> , 2017, 152, 24-39.	2.5	7
4	On the effect of repulsive magnetic field on partially premixed flames. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 912, 042020.	0.6	2
5	Convective heat transfer and laminar flow characteristics of flow over a circular cylinder in presence of control plates. <i>Fluid Dynamics Research</i> , 2020, 52, 045501.	1.3	2
6	Novel Efficient Particle-Based Hybrid Approach for Modeling Hypersonic Rarefied Flows. <i>Journal of Spacecraft and Rockets</i> , 2017, 54, 1267-1277.	1.9	1
7	A novel efficient hybrid DSMC-dynamic collision limiter algorithm for multiscale transitional flows. <i>International Journal for Numerical Methods in Fluids</i> , 2018, 86, 565-581.	1.6	1
8	Development of a novel autonomous space debris collision avoidance system for uncrewed spacecraft. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2022, 236, 2940-2952.	1.3	1
9	Development of an Efficient Kinetic Particle based Hybrid DSMC - DCL Numerical Approach for Hypersonic Rarefied Flows. , 2017, , .		0
10	Development of DSMC Numerical Algorithm for Hypersonic Flows. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 437-447.	0.4	0