

Anirudh Singh Rana

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4905092/anirudh-singh-rana-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

9
papers

109
citations

5
h-index

10
g-index

13
ext. papers

153
ext. citations

3.5
avg, IF

2.92
L-index

#	Paper	IF	Citations
9	Thermodynamically admissible boundary conditions for the regularized 13 moment equations. <i>Physics of Fluids</i> , 2016 , 28, 027105	4.4	29
8	A numerical study of the heat transfer through a rarefied gas confined in a microcavity. <i>Continuum Mechanics and Thermodynamics</i> , 2015 , 27, 433-446	3.5	25
7	Thermal stress vs. thermal transpiration: A competition in thermally driven cavity flows. <i>Physics of Fluids</i> , 2015 , 27, 112001	4.4	16
6	Evaporation boundary conditions for the R13 equations of rarefied gas dynamics. <i>Physics of Fluids</i> , 2017 , 29, 092004	4.4	13
5	Fundamental solutions to the regularised 13-moment equations: efficient computation of three-dimensional kinetic effects. <i>Journal of Fluid Mechanics</i> , 2017 , 833,	3.7	8
4	Evaporation-driven vapour microflows: analytical solutions from moment methods. <i>Journal of Fluid Mechanics</i> , 2018 , 841, 962-988	3.7	5
3	Evaporation Boundary Conditions for the Linear R13 Equations Based on the Onsager Theory. <i>Entropy</i> , 2018 , 20,	2.8	5
2	Coupled constitutive relations: a second law based higher-order closure for hydrodynamics. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018 , 474, 20180323 ^{2,4}		5
1	Efficient simulation of non-classical liquid-vapour phase-transition flows: a method of fundamental solutions. <i>Journal of Fluid Mechanics</i> , 2021 , 919,	3.7	2