Anirudh Singh Rana

List of Publications by Citations

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. *Physics of Fluids*, **2016**, 28, 027105	4.4	29
8	A numerical study of the heat transfer through a rarefied gas confined in a microcavity. *Continuum Mechanics and Thermodynamics*, **2015**, 27, 433-446	3.5	25
7	Thermal stress vs. thermal transpiration: A competition in thermally driven cavity flows. *Physics of Fluids*, **2015**, 27, 112001	4.4	16
6	Evaporation boundary conditions for the R13 equations of rarefied gas dynamics. *Physics of Fluids*, **2017**, 29, 092004	4.4	13
5	Fundamental solutions to the regularised 13-moment equations: efficient computation of three-dimensional kinetic effects. *Journal of Fluid Mechanics*, **2017**, 833,	3.7	8
4	Evaporation-driven vapour microflows: analytical solutions from moment methods. *Journal of Fluid Mechanics*, **2018**, 841, 962-988	3.7	5
3	Evaporation Boundary Conditions for the Linear R13 Equations Based on the Onsager Theory. *Entropy*, **2018**, 20,	2.8	5
2	Coupled constitutive relations: a second law based higher-order closure for hydrodynamics. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2018**, 474, 20180323	2.4	5
1	Efficient simulation of non-classical liquid–vapour phase-transition flows: a method of fundamental solutions. *Journal of Fluid Mechanics*, **2021**, 919,	3.7	2