

# Anirudh Singh Rana

## List of Publications by Year in Descending Order

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