

# Timon Hitz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5507246/publications.pdf>

Version: 2024-02-01

10  
papers

84  
citations

1307594

7  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

35  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | On the use of tabulated equations of state for multi-phase simulations in the homogeneous equilibrium limit. <i>Shock Waves</i> , 2019, 29, 769-793.   | 1.9 | 16        |
| 2  | Comparison of macro- and microscopic solutions of the Riemann problem I. Supercritical shock tube and expansion into vacuum. <i>Journal of Computational Physics</i> , 2020, 402, 109077.              | 3.8 | 14        |
| 3  | Comparison of macro- and microscopic solutions of the Riemann problem II. Two-phase shock tube. <i>Journal of Computational Physics</i> , 2021, 429, 110027.   | 3.8 | 13        |
| 4  | A parabolic relaxation model for the Navier-Stokes-Korteweg equations. <i>Journal of Computational Physics</i> , 2020, 421, 109714.  | 3.8 | 10        |
| 5  | Numerical second law analysis around a turbine guide vane using a two-equation turbulence model and comparison with experiments. <i>International Journal of Thermal Sciences</i> , 2017, 116, 91-102. | 4.9 | 8         |
| 6  | Numerical simulation of the growth and interaction of vapour bubbles in superheated liquid jets. <i>International Journal of Multiphase Flow</i> , 2019, 121, 103112.                                  | 3.4 | 8         |
| 7  | Single vapour bubble growth under flash boiling conditions using a modified HLLC Riemann solver. <i>International Journal of Multiphase Flow</i> , 2019, 116, 250-269.                                 | 3.4 | 8         |
| 8  | Improvement of the Level-Set Ghost-Fluid Method for the Compressible Euler Equations. <i>Fluid Mechanics and Its Applications</i> , 2020, , 17-29.   | 0.2 | 4         |
| 9  | Explicit High-Order Discontinuous Galerkin Spectral Element Methods for LES and DNS. <i>Lecture Notes in Computational Science and Engineering</i> , 2015, , 281-296.                                  | 0.3 | 2         |
| 10 | Atomistic Simulations: The Driving Force Behind Modern Thermodynamic Research. , 2021, , 569-581.  |     | 0         |