

Timon Hitz

List of Publications by Year in descending order

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10
papers

84
citations

1307594

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1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

35
citing authors

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