

Tanguy Sebastien

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,425
citations

567247

15
h-index

888047

17
g-index

17
all docs

17
docs citations

17
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling level set/VOF/ghost fluid methods: Validation and application to 3D simulation of the primary break-up of a liquid jet. <i>International Journal of Multiphase Flow</i> , 2007, 33, 510-524.	3.4	422
2	A Level Set Method for vaporizing two-phase flows. <i>Journal of Computational Physics</i> , 2007, 221, 837-853.	3.8	223
3	Application of a level set method for simulation of droplet collisions. <i>International Journal of Multiphase Flow</i> , 2005, 31, 1015-1035.	3.4	161
4	Benchmarks and numerical methods for the simulation of boiling flows. <i>Journal of Computational Physics</i> , 2014, 264, 1-22.	3.8	96
5	A Ghost Fluid/Level Set Method for boiling flows and liquid evaporation: Application to the Leidenfrost effect. <i>Journal of Computational Physics</i> , 2016, 316, 789-813.	3.8	73
6	Direct numerical simulation of nucleate boiling in micro-layer regime. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 1128-1137.	4.8	73
7	On the computation of viscous terms for incompressible two-phase flows with Level Set/Ghost Fluid Method. <i>Journal of Computational Physics</i> , 2015, 301, 289-307.	3.8	72
8	Direct numerical simulation of the impact of a droplet onto a hot surface above the Leidenfrost temperature. <i>International Journal of Heat and Mass Transfer</i> , 2017, 104, 1090-1109.	4.8	63
9	Solving elliptic problems with discontinuities on irregular domains – the Voronoi Interface Method. <i>Journal of Computational Physics</i> , 2015, 298, 747-765.	3.8	55
10	Direct numerical simulation of nucleate pool boiling at large microscopic contact angle and moderate Jakob number. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 662-682.	4.8	41
11	On two-phase flow solvers in irregular domains with contact line. <i>Journal of Computational Physics</i> , 2016, 321, 1217-1251.	3.8	38
12	A time splitting projection scheme for compressible two-phase flows. Application to the interaction of bubbles with ultrasound waves. <i>Journal of Computational Physics</i> , 2015, 302, 439-468.	3.8	30
13	Direct numerical simulations of droplet condensation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 129, 432-448.	4.8	24
14	Direct numerical simulation of a bubble motion in a spherical tank under external forces and microgravity conditions. <i>Journal of Fluid Mechanics</i> , 2018, 849, 467-497.	3.4	19
15	Direct numerical simulation of nucleate boiling in zero gravity conditions. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118521.	4.8	19
16	Unsteady rising of clean bubble in low viscosity liquid. <i>Bubble Science, Engineering & Technology</i> , 2012, 4, 4-11.	0.2	8
17	A semi implicit compressible solver for two-phase flows of real fluids. <i>Journal of Computational Physics</i> , 2022, 456, 111034.	3.8	8