

Tanguy Sebastien

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,425
citations

567281

15
h-index

888059

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. International Journal of Multiphase Flow, 2007, 33, 510-524.	3.4	422
2	A Level Set Method for vaporizing two-phase flows. Journal of Computational Physics, 2007, 221, 837-853.	3.8	223
3	Application of a level set method for simulation of droplet collisions. International Journal of Multiphase Flow, 2005, 31, 1015-1035.	3.4	161
4	Benchmarks and numerical methods for the simulation of boiling flows. Journal of Computational Physics, 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. Journal of Computational Physics, 2016, 316, 789-813.	3.8	73
6	Direct numerical simulation of nucleate boiling in micro-layer regime. International Journal of Heat and Mass Transfer, 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. Journal of Computational Physics, 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. International Journal of Heat and Mass Transfer, 2017, 104, 1090-1109.	4.8	63
9	Solving elliptic problems with discontinuities on irregular domains – the Voronoi Interface Method. Journal of Computational Physics, 2015, 298, 747-765.	3.8	55
10	Direct numerical simulation of nucleate pool boiling at large microscopic contact angle and moderate Jakob number. International Journal of Heat and Mass Transfer, 2017, 113, 662-682.	4.8	41
11	On two-phase flow solvers in irregular domains with contact line. Journal of Computational Physics, 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. Journal of Computational Physics, 2015, 302, 439-468.	3.8	30
13	Direct numerical simulations of droplet condensation. International Journal of Heat and Mass Transfer, 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. Journal of Fluid Mechanics, 2018, 849, 467-497.	3.4	19
15	Direct numerical simulation of nucleate boiling in zero gravity conditions. International Journal of Heat and Mass Transfer, 2019, 143, 118521.	4.8	19
16	Unsteady rising of clean bubble in low viscosity liquid. Bubble Science, Engineering & Technology, 2012, 4, 4-11.	0.2	8
17	A semi implicit compressible solver for two-phase flows of real fluids. Journal of Computational Physics, 2022, 456, 111034.	3.8	8