

Stéphane Glockner

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

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citations

933410

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839512

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21
all docs

21
docs citations

21
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct forcing immersed boundary methods: Improvements to the ghost-cell method. Journal of Computational Physics, 2021, 438, 110371.	3.8	2
2	Direct numerical simulations of fluids mixing above mixture critical point. Journal of Supercritical Fluids, 2020, 165, 104939.	3.2	7
3	Discussion on instabilities in breaking waves: Vortices, air-entrainment and droplet generation. European Journal of Mechanics, B/Fluids, 2019, 73, 144-156.	2.5	25
4	Reduction of the discretization stencil of direct forcing immersed boundary methods on rectangular cells: The ghost node shifting method. Journal of Computational Physics, 2018, 364, 18-48.	3.8	8
5	Moment-of-fluid analytic reconstruction on 2D Cartesian grids. Journal of Computational Physics, 2017, 328, 131-139.	3.8	18
6	A fourth-order accurate curvature computation in a level set framework for two-phase flows subjected to surface tension forces. Journal of Computational Physics, 2016, 305, 838-876.	3.8	33
7	THREE-DIMENSIONAL NUMERICAL SIMULATIONS OF AERATED VORTEX FILAMENTS UNDER PLUNGING BREAKING WAVES. Coastal Engineering Proceedings, 2015, 1, 2.	0.1	0
8	Numerical Simulation of Bubble Formation and Transport in Cross-Flowing Streams. Journal of Computational Multiphase Flows, 2014, 6, 299-312.	0.8	6
9	NUMERICAL SIMULATIONS OF BREAKING SOLITARY WAVES. Coastal Engineering Proceedings, 2012, 1, 59.	0.1	1
10	Benchmark Solution for a Three-Dimensional Mixed-Convection Flow, Part 2: Analysis of Richardson Extrapolation in the Presence of a Singularity. Numerical Heat Transfer, Part B: Fundamentals, 2011, 60, 346-369.	0.9	9
11	Benchmark Solution for a Three-Dimensional Mixed-Convection Flow, Part 1: Reference Solutions. Numerical Heat Transfer, Part B: Fundamentals, 2011, 60, 325-345.	0.9	16
12	Numerical study of the hydrodynamics of regular waves breaking over a sloping beach. European Journal of Mechanics, B/Fluids, 2011, 30, 552-564.	2.5	27
13	Numerical simulation of waves generated by landslides using a multiple-fluid Navier-Stokes model. Coastal Engineering, 2010, 57, 779-794.	4.0	156
14	Large Eddy Simulation of turbulence generated by a weak breaking tidal bore. Environmental Fluid Mechanics, 2010, 10, 587-602.	1.6	39
15	Numerical simulation of a weak breaking tidal bore. Mechanics Research Communications, 2010, 37, 119-121.	1.8	38
16	Simulation of a Fluidized Bed Using a Hybrid Eulerian-Lagrangian Method for Particle Tracking. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 103-110.	0.3	1
17	3D NUMERICAL SIMULATIONS OF WAVES GENERATED BY SUBAERIAL MASS FAILURES: APPLICATION TO LA PALMA CASE. , 2009, , .		5
18	VOF/Navier-Stokes numerical modeling of surface waves generated by subaerial landslides. Houille Blanche, 2008, 94, 21-26.	0.3	17

#	ARTICLE	IF	CITATIONS
19	A COUPLED NUMERICAL MODEL FOR TSUNAMIS GENERATED BY SUBAERIAL AND SUBMARINE MASS FAILURES. , 2007, , .		6
20	A numerical exercise for turbulent natural convection and pollutant diffusion in a two-dimensional partially partitioned cavity. International Journal of Thermal Sciences, 2005, 44, 311-322.	4.9	15
21	An implicit multiblock coupling for the incompressible Navier-Stokes equations. International Journal for Numerical Methods in Fluids, 2005, 47, 1261-1267.	1.6	10