

Johan Roenby

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

553
citations

1163117

8
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	A computational method for sharp interface advection. Royal Society Open Science, 2016, 3, 160405.	2.4	225
2	Performance of interFoam on the simulation of progressive waves. Coastal Engineering Journal, 2019, 61, 380-400.	1.9	81
3	Accurate and efficient surface reconstruction from volume fraction data on general meshes. Journal of Computational Physics, 2019, 383, 1-23.	3.8	65
4	Validation of volume-of-fluid OpenFOAM® isoAdvector solvers using single bubble benchmarks. Computers and Fluids, 2020, 213, 104722.	2.5	48
5	Comparison of collective Thomson scattering signals due to fast ions in ITER scenarios with fusion and auxiliary heating. Plasma Physics and Controlled Fusion, 2009, 51, 035006.	2.1	45
6	Analysis of viscous fluid flow in a pressure-swirl atomizer using large-eddy simulation. International Journal of Multiphase Flow, 2019, 113, 371-388.	3.4	36
7	Chaos in body-vortex interactions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 1871-1891.	2.1	27
8	Hollow vortices, capillary water waves and double quadrature domains. Fluid Dynamics Research, 2014, 46, 031424.	1.3	9
9	IsoAdvector: Geometric VOF on General Meshes. , 2019, , 281-296.		7
10	Nonlinear excursions of particles in ideal 2D flows. Physica D: Nonlinear Phenomena, 2011, 240, 199-207.	2.8	4
11	Chaotic dynamics of a body-vortex pair. Journal of Fluids and Structures, 2011, 27, 768-773.	3.4	3
12	Development of a CFD Solver for Primary Diesel Jet Atomization in FOAM-Extend. , 0, , .		2
13	On the atmosphere of a moving body. Physics of Fluids, 2010, 22, 057103.	4.0	1