Johan Roenby

List of Publications by Year
in descending order

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	Validation of volume-of-fluid OpenFOAM® isoAdvector solvers using single bubble benchmarks. Computers and Fluids, 2020, 213, 104722.	2.5	48
2	IsoAdvector: Geometric VOF on General Meshes. , 2019, , 281-296.		7
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	Performance of interFoam on the simulation of progressive waves. Coastal Engineering Journal, 2019, 61, 380-400.	1.9	81
5	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
6	A computational method for sharp interface advection. Royal Society Open Science, 2016, 3, 160405.	2.4	225
7	Hollow vortices, capillary water waves and double quadrature domains. Fluid Dynamics Research, 2014, 46, 031424.	1.3	9
8	Nonlinear excursions of particles in ideal 2D flows. Physica D: Nonlinear Phenomena, 2011, 240, 199-207.	2.8	4
9	Chaotic dynamics of a body–vortex pair. Journal of Fluids and Structures, 2011, 27, 768-773.	3.4	3
10	On the atmosphere of a moving body. Physics of Fluids, 2010, 22, 057103.	4.0	1
11	Chaos in body–vortex interactions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 1871-1891.	2.1	27
12	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
13	Development of a CFD Solver for Primary Diesel Jet Atomization in FOAM-Extend. , 0, , .		2