Robert Anthony Dalrymple

List of Publications by Year
in descending order

19 papers	**1,396** citations	949033 **11** h-index	993246 **17** g-index
19 all docs	**19** docs citations	**19** times ranked	**1034** citing authors

#	Article	IF	Citations
1	A numerically robust, parallel-friendly variant of BiCGSTAB for the semi-implicit integration of the viscous term in Smoothed Particle Hydrodynamics. Journal of Computational Physics, 2022, 466, 111413.	1.9	3
2	Overcoming excessive numerical dissipation in SPH modeling of water waves. Coastal Engineering, 2021, 170, 104018.	1.7	22
3	Preliminary validation of lava benchmark tests on the GPUSPH particle engine. Annals of Geophysics, 2018, 61, .	0.5	5
4	Simulating Complex Fluids with Smoothed Particle Hydrodynamics. Annals of Geophysics, 2017, 60, .	0.5	2
5	Diffusive terms for the conservation of mass equation in SPH. Applied Mathematical Modelling, 2016, 40, 8722-8736.	2.2	27
6	Three-dimensional reversed horseshoe vortex structures under broken solitary waves. Coastal Engineering, 2014, 91, 261-279.	1.7	46
7	Decomposing damped incident and reflected waves using correlation and quasi-linearization methods. Coastal Engineering, 2014, 91, 181-190.	1.7	3
8	SPHysics â€" development of a free-surface fluid solver â€" Part 1: Theory and formulations. Computers and Geosciences, 2012, 48, 289-299.	2.0	270
9	SPHysics â€" development of a free-surface fluid solver â€" Part 2: Efficiency and test cases. Computers and Geosciences, 2012, 48, 300-307.	2.0	110
10	SPHysics-FUNWAVE hybrid model for coastal wave propagation. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 85-93.	0.7	43
11	Hybridation of generation propagation models and SPH model to study severe sea states in Galician Coast. Journal of Marine Systems, 2008, 72, 135-144.	0.9	8
12	EXPERIMENTAL AND NUMERICAL INVESTIGATIONS OF FORCED OSCILLATIONS IN RECTANGULAR TANKS. , 2007, , .		1
13	3D SPH Simulation of large waves mitigation with a dike. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 631-642.	0.7	82
14	Tsunamis and Challenges for Accurate Modeling. Oceanography, 2006, 19, 142-151.	0.5	26
15	Numerical modeling of water waves with the SPH method. Coastal Engineering, 2006, 53, 141-147.	1.7	557
16	Green water overtopping analyzed with a SPH model. Ocean Engineering, 2005, 32, 223-238.	1.9	162
17	EARTHQUAKE INDUCED WAVE MOTIONS IN CLOSED WATER BODIES. , 2005, , .		0
18	An approximate model for nonlinear dispersion in monochromatic wave propagation models, by J.T. Kirby and R.A. Dalrymple. Coastal Engineering, 1987, 11, 89-92.	1.7	4

#	Article	IF	Citations
19	Random wave-current interactions in water of varying depth. Ocean Engineering, 1976, 3, 403-420.	1.9	25