Ricardo Birjukovs Canelas

List of Publications by Year
in descending order

18 papers	1,061 citations	759233 12 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	975 citing authors

#	Article	IF	Citations
1	DualSPHysics: Open-source parallel CFD solver based on Smoothed Particle Hydrodynamics (SPH). Computer Physics Communications, 2015, 187, 204-216.	7.5	549
2	SPHâ€“DCDEM model for arbitrary geometries in free surface solidâ€“fluid flows. Computer Physics Communications, 2016, 202, 131-140.	7.5	98
3	Dam-break flows over mobile beds: experiments and benchmark tests for numerical models. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 364-375.	1.7	91
4	A Smooth Particle Hydrodynamics discretization for the modelling of free surface flows and rigid body dynamics. International Journal for Numerical Methods in Fluids, 2015, 78, 581-593.	1.6	66
5	A numerical tool for modelling oscillating wave surge converter with nonlinear mechanical constraints. Renewable Energy, 2020, 146, 2024-2043.	8.9	59
6	Extending DualSPHysics with a Differential Variational Inequality: modeling fluid-mechanism interaction. Applied Ocean Research, 2018, 76, 88-97.	4.1	47
7	Resolved Simulation of a Granular-Fluid Flow with a Coupled SPH-DCDEM Model. Journal of Hydraulic Engineering, 2017, 143, .	1.5	43
8	Two-dimensional depth-averaged modelling of dam-break flows over mobile beds. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 392-407.	1.7	24
9	Experimental investigation on the power capture of an oscillating wave surge converter in unidirectional waves. Renewable Energy, 2020, 151, 975-992.	8.9	23
10	Experimental and numerical study of slit-check dams. International Journal of Sustainable Development and Planning, 2016, 11, 107-118.	0.7	17
11	Coupling check dams with large wood retention structures in clean water. Environmental Fluid Mechanics, 2020, 20, 619-634.	1.6	13
12	Smooth and Stepped Spillway Modeling Using the SPH Method. Journal of Hydraulic Engineering, 2020, 146, .	1.5	13
13	When Tragedy Strikes: Potential Contributions From Ocean Observation to Search and Rescue Operations After Drowning Accidents. Frontiers in Marine Science, 2020, 7, .	2.5	6
14	Efficiency and Survivability of a Floating Oscillating Water Column Wave Energy Converter Moored to the Seabed: An Overview of the EsflOWC MaRINET2 Database. Water (Switzerland), 2020, 12, 992.	2.7	6
15	The FuGas 2.5 Updated for the Effects of Surface Turbulence on the Transfer Velocity of Gases at the Atmosphereâ€“Ocean Interface. Journal of Marine Science and Engineering, 2020, 8, 435.	2.6	4
16	Recent developments in the analysis of Large Wood dynamics in fluvial systems. Environmental Fluid Mechanics, 2020, 20, 479-484.	1.6	1
17	Numerical modeling of complex solid-fluid flows with meshless methods. , 2014, , 133-139.		1
18	Simulating the 1755 tsunami propagation in present-day Lisbon with a shallow-water model. Revista Recursos HÃ¤dricos, 2012, 33, 25-35.	0.1	0