

Benjamin Bouscasse

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

249
citations

1163117

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h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Varying ocean wave statistics emerging from a single energy spectrum in an experimental wave tank. Ocean Engineering, 2022, 246, 110375.	4.3	12
2	Experimental analysis of wave-induced vertical bending moment in steep regular waves. Journal of Fluids and Structures, 2022, 111, 103547.	3.4	7
3	Efficiency of diagonally implicit Runge-Kutta time integration schemes in incompressible two-phase flow simulations. Computer Physics Communications, 2022, 278, 108415.	7.5	5
4	Spectral Wave Explicit Navier-Stokes Equations for wave-structure interactions using two-phase Computational Fluid Dynamics solvers. Ocean Engineering, 2021, 221, 108513.	4.3	17
5	A Comparative Study on the Nonlinear Interaction Between a Focusing Wave and Cylinder Using State-of-the-art Solvers: Part B. International Journal of Offshore and Polar Engineering, 2021, 31, 11-18.	0.8	7
6	A Heuristic Approach for Inter-Facility Comparison of Results from Round Robin Testing of a Floating Wind Turbine in Irregular Waves. Journal of Marine Science and Engineering, 2021, 9, 1030.	2.6	2
7	Round Robin Laboratory Testing of a Scaled 10 MW Floating Horizontal Axis Wind Turbine. Journal of Marine Science and Engineering, 2021, 9, 988.	2.6	5
8	Performance of different techniques of generation and absorption of free-surface waves in Computational Fluid Dynamics. Ocean Engineering, 2020, 214, 107575.	4.3	9
9	Comparison of wave modeling methods in CFD solvers for ocean engineering applications. Ocean Engineering, 2019, 188, 106237.	4.3	19
10	Generation of Regular and Irregular Waves in Navier-Stokes CFD Solvers by Matching With the Nonlinear Potential Wave Solution at the Boundaries. , 2018, , .		6
11	SPH modelling of viscous flow past a circular cylinder interacting with a free surface. Computers and Fluids, 2017, 146, 190-212.	2.5	64
12	The Diffused Vortex Hydrodynamics Method. Communications in Computational Physics, 2015, 18, 351-379.	1.7	36
13	Computation of flow features and hydrodynamic coefficients around heave plates oscillating near a seabed. Journal of Fluids and Structures, 2015, 59, 406-431.	3.4	31
14	Experimental investigation of a fast catamaran in head waves. Ocean Engineering, 2013, 72, 318-330.	4.3	29