

Pierre Ferrant

List of Publications by Year in descending order

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Version: 2024-02-01

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840776

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docs citations

13
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233
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear deterministic sea wave prediction using instantaneous velocity profiles. Ocean Engineering, 2021, 220, 108492.	4.3	11
2	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
3	An improved Lagrangian model for the time evolution of nonlinear surface waves. Journal of Fluid Mechanics, 2019, 876, 527-552.	3.4	13
4	Comparison of wave modeling methods in CFD solvers for ocean engineering applications. Ocean Engineering, 2019, 188, 106237.	4.3	19
5	Weakly nonlinear modeling of submerged wave energy converters. Applied Ocean Research, 2018, 75, 201-222.	4.1	20
6	Generation of Regular and Irregular Waves in Navier-Stokes CFD Solvers by Matching With the Nonlinear Potential Wave Solution at the Boundaries. , 2018, , .		6
7	On the equivalence of unidirectional rogue waves detected in periodic simulations and reproduced in numerical wave tanks. Ocean Engineering, 2016, 117, 346-358.	4.3	17
8	HOS-ocean: Open-source solver for nonlinear waves in open ocean based on High-Order Spectral method. Computer Physics Communications, 2016, 203, 245-254.	7.5	110
9	A comparative study of two fast nonlinear free-surface water wave models. International Journal for Numerical Methods in Fluids, 2012, 69, 1818-1834.	1.6	28
10	A modified High-Order Spectral method for wavemaker modeling in a numerical wave tank. European Journal of Mechanics, B/Fluids, 2012, 34, 19-34.	2.5	114
11	GÃ©nÃ©ration de houles multidirectionnelles complexes dans le bassin de Centrale Nantes. European Journal of Environmental and Civil Engineering, 2008, 12, 601-614.	2.1	0
12	A fully-spectral 3D time-domain model for second-order simulation of wavetank experiments. Part A: Formulation, implementation and numerical properties. Applied Ocean Research, 2006, 28, 33-43.	4.1	30
13	A fully-spectral 3D time-domain model for second-order simulation of wavetank experiments. Part B: Validation, calibration versus experiments and sample applications. Applied Ocean Research, 2006, 28, 121-132.	4.1	22