Vuko VukÄeviÄ‡

List of Publications by Year
in descending order

22 papers	406 citations	933447 10 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	304 citing authors

#	Article	IF	Citations
1	Optimizing wave-generation and wave-damping in 3D-flow simulations with implicit relaxation-zones. Coastal Engineering, 2021, 171, 104035.	4.0	5
2	Finite Volume method for general compressible naval hydrodynamics. Ocean Engineering, 2020, 196, 106773.	4.3	10
3	Influences of free surface jump conditions and different k–ω SST turbulence models on breaking wave modelling. Ocean Engineering, 2020, 217, 107746.	4.3	32
4	Launching of ships from horizontal berth by tipping tables â€“ CFD simulation of wave generation. Engineering Structures, 2020, 210, 110343.	5.3	5
5	CFD validation and grid sensitivity studies of full scale ship self propulsion. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 33-43.	2.3	75
6	Implicitly coupled phase fraction equations for the Eulerian multi-fluid model. Computers and Fluids, 2019, 192, 104277.	2.5	7
7	The Harmonic Balance Method for Temporally Periodic Free Surface Flows. , 2019, , 481-489.		0
8	A coupled finite volume flow solver for the solution of incompressible viscoelastic flows. Journal of Non-Newtonian Fluid Mechanics, 2019, 265, 99-115.	2.4	14
9	Accurate assessment of ship-propulsion characteristics using CFD. Ocean Engineering, 2019, 175, 149-162.	4.3	26
10	Harmonic Balance developments in OpenFOAM. Computers and Fluids, 2018, 172, 632-643.	2.5	6
11	Harmonic Balance method for nonlinear and viscous free surface flows. Ocean Engineering, 2018, 157, 164-179.	4.3	4
12	CFD verification and validation of green sea loads. Ocean Engineering, 2018, 148, 500-515.	4.3	17
13	Implementation of the Ghost Fluid Method for free surface flows in polyhedral Finite Volume framework. Computers and Fluids, 2017, 153, 1-19.	2.5	72
14	Efficient solution of 3D electromagnetic eddy-current problems within the finite volume framework of OpenFOAM. Journal of Computational Physics, 2017, 344, 623-646.	3.8	12
15	A framework for efficient irregular wave simulations using Higher Order Spectral method coupled with viscous two phase model. Journal of Ocean Engineering and Science, 2017, 2, 253-267.	4.3	18
16	Enhanced coupling of solid body motion and fluid flow in finite volume framework. Ocean Engineering, 2017, 143, 295-304.	4.3	22
17	Accurate green water loads calculation using naval hydro pack. IOP Conference Series: Materials Science and Engineering, 2017, 276, 012011.	0.6	0
18	Monolithic coupling of the pressure and rigid body motion equations in computational marine hydrodynamics. Journal of Marine Science and Application, 2017, 16, 375-381.	1.7	1

#	Article	IF	Citations
19	Decomposition model for naval hydrodynamic applications, Part I: Computational method. Ocean Engineering, 2016, 121, 37-46.	4.3	41
20	Decomposition model for naval hydrodynamic applications, Part II: Verification and validation. Ocean Engineering, 2016, 121, 76-88.	4.3	29
21	Numerical Simulation of Wave Loading on Static Offshore Structures. Springer Tracts in Mechanical Engineering, 2015, , 95-105.	0.3	8
22	Development of a CFD Solver for Primary Diesel Jet Atomization in FOAM-Extend. , 0, , .		2