

S Nallayarasu

List of Publications by Year in descending order

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193
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of parametric equations for ultimate capacity of internally ring-stiffened tubular T/Y-joints under axial and moment load. Ships and Offshore Structures, 2022, 17, 905-919.	1.9	3
2	Experimental and numerical investigation on axial load transfer across cracked tubular joint strengthened with grouted clamps of a jacket in under water condition. Ships and Offshore Structures, 2022, 17, 1717-1730.	1.9	2
3	Experimental and numerical investigation on the suitability of semi-submersible floaters to support vertical axis wind turbine. Ships and Offshore Structures, 2022, 17, 1743-1754.	1.9	6
4	Ultimate capacity of cracked tubular T-joints reinforced with grouted clamp connection in axial tension. Ships and Offshore Structures, 2022, 17, 2802-2818.	1.9	1
5	CFD approach to heave damping of spar with heave plates with experimental validation. Applied Ocean Research, 2021, 108, 102517.	4.1	12
6	Numerical and experimental studies of heave damping and added mass of spar with heave plates using forced oscillation. Applied Ocean Research, 2021, 111, 102667.	4.1	12
7	CFD simulation of the passing vessel effects on moored vessel. Ships and Offshore Structures, 2020, 15, 184-199.	1.9	11
8	Hydrodynamic response of three- and four-column semi-submersibles supporting a wind turbine in regular and random waves. Ships and Offshore Structures, 2020, , 1-11.	1.9	5
9	Effect of Forward Speed on Roll Damping of a Container Ship Using URANS Simulations. Lecture Notes in Civil Engineering, 2019, , 187-201.	0.4	0
10	Numerical prediction of roll damping of ships with and without bilge keel. Ocean Engineering, 2019, 179, 226-245.	4.3	29
11	Experimental investigation and CFD simulation of heave damping effects due to circular plates attached to spar hull. Ships and Offshore Structures, 2019, 14, 396-411.	1.9	17
12	Experimental and numerical investigation on hydrodynamic response of buoy form spar under regular waves. Ships and Offshore Structures, 2017, 12, 19-31.	1.9	18
13	Simulation of Passing Vessel Effects on Moored Vessel Mooring Response due to Environmental Loads. , 2017, , .		0
14	Experimental and numerical investigation on hydrodynamic response of buoy form Spar under random waves. Ships and Offshore Structures, 2017, 12, 734-746.	1.9	7
15	Experimental and Numerical Investigation on the Effect of Varying Hull Shape Near the Water Plane on the Mathieu-Type Instability of Spar. , 2016, , .		0
16	CFD Simulation of Roll Damping Characteristics of a Ship Mid-Section With Bilge Keel. , 2016, , .		1
17	Assessment of Nonlinear Heave Damping Model for Spar With Heave Plate Using Free Decay Tests. , 2016, , .		0
18	CFD approach to roll damping of ship with bilge keel with experimental validation. Applied Ocean Research, 2016, 55, 1-17.	4.1	66

#	ARTICLE	IF	CITATIONS
19	Effect of Mathieu instability on motion response of Spar hull with heave damping plate. Ships and Offshore Structures, 2016, 11, 833-846.	1.9	13
20	Hydrodynamic response of spar hulls with heave damping plate using simplified approach. Ships and Offshore Structures, 2014, 9, 418-432.	1.9	12
21	Effect of hull geometry on the hydrodynamic response of spar in regular waves. Ships and Offshore Structures, 2014, 9, 22-37.	1.9	12
22	Experimental investigation of the wave slam and slap coefficients for array of non-circular section of offshore platforms. Ships and Offshore Structures, 2013, 8, 15-28.	1.9	8
23	Experimental and Numerical Investigation on Hydrodynamic Response of Spar with Wind Turbine under Regular Waves. The International Journal of Ocean and Climate Systems, 2013, 4, 239-260.	0.8	11
24	Experimental and Numerical Investigation of Hydrodynamic Response of Spar with Wind Turbine under Random Waves. The International Journal of Ocean and Climate Systems, 2013, 4, 261-282.	0.8	6
25	Damping Characteristics of Heave Plates Attached to Spar Hull. , 2012, , .		3
26	Hydrodynamic response of spar and semi-submersible interlinked by a rigid yokeâ€“Part II: random waves. Ships and Offshore Structures, 2012, 7, 133-141.	1.9	2
27	Hydrodynamic response of spar and semi-submersible interlinked by a rigid yoke â€“ Part I: regular waves. Ships and Offshore Structures, 2012, 7, 297-309.	1.9	6
28	Wave Slam/Slap Loads on Structural Members in the Air-Gap. , 2011, , .		0
29	Influence of Heave Plate on Hydrodynamic Response of Spar. , 2011, , .		6
30	Analysis of submerged platform breakwater by Eigenfunction expansion method. Ocean Engineering, 1996, 23, 649-666.	4.3	31
31	Estimation of incident and reflected waves in regular wave experiments. Ocean Engineering, 1995, 22, 77-86.	4.3	22
32	Application of direct boundary integration method to wave diffraction by submerged bodies. Communications in Numerical Methods in Engineering, 1994, 10, 799-808.	1.3	0
33	Wave induced pressures and forces on a fixed submerged inclined plate. Finite Elements in Analysis and Design, 1994, 18, 289-299.	3.2	6
34	Experimental and numerical investigation on reserve strength of jackets with single diagonal and X brace configurations. Ships and Offshore Structures, 0, , 1-15.	1.9	0