

# S Nallayarasu

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

328  
citations

840776

11  
h-index

888059

17  
g-index

34  
all docs

34  
docs citations

34  
times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	CFD approach to roll damping of ship with bilge keel with experimental validation. Applied Ocean Research, 2016, 55, 1-17.	4.1	66
2	Analysis of submerged platform breakwater by Eigenfunction expansion method. Ocean Engineering, 1996, 23, 649-666.	4.3	31
3	Numerical prediction of roll damping of ships with and without bilge keel. Ocean Engineering, 2019, 179, 226-245.	4.3	29
4	Estimation of incident and reflected waves in regular wave experiments. Ocean Engineering, 1995, 22, 77-86.	4.3	22
5	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
6	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
7	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
8	Hydrodynamic response of spar hulls with heave damping plate using simplified approach. Ships and Offshore Structures, 2014, 9, 418-432.	1.9	12
9	Effect of hull geometry on the hydrodynamic response of spar in regular waves. Ships and Offshore Structures, 2014, 9, 22-37.	1.9	12
10	CFD approach to heave damping of spar with heave plates with experimental validation. Applied Ocean Research, 2021, 108, 102517.	4.1	12
11	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
12	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
13	CFD simulation of the passing vessel effects on moored vessel. Ships and Offshore Structures, 2020, 15, 184-199.	1.9	11
14	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
15	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
16	Wave induced pressures and forces on a fixed submerged inclined plate. Finite Elements in Analysis and Design, 1994, 18, 289-299.	3.2	6
17	Influence of Heave Plate on Hydrodynamic Response of Spar. , 2011, , .		6
18	Hydrodynamic response of spar and semi-submersible interlinked by a rigid yoke – Part I: regular waves. Ships and Offshore Structures, 2012, 7, 297-309.	1.9	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Damping Characteristics of Heave Plates Attached to Spar Hull. , 2012, , .		3
23	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
24	Hydrodynamic response of spar and semi-submersible interlinked by a rigid yoke€œPart II: random waves. Ships and Offshore Structures, 2012, 7, 133-141.	1.9	2
25	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
26	CFD Simulation of Roll Damping Characteristics of a Ship Mid-Section With Bilge Keel. , 2016, , .		1
27	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
28	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
29	Wave Slam/Slap Loads on Structural Members in the Air-Gap. , 2011, , .		0
30	Experimental and Numerical Investigation on the Effect of Varying Hull Shape Near the Water Plane on the Mathieu-Type Instability of Spar. , 2016, , .		0
31	Assessment of Nonlinear Heave Damping Model for Spar With Heave Plate Using Free Decay Tests. , 2016, , .		0
32	Simulation of Passing Vessel Effects on Moored Vessel Mooring Response due to Environmental Loads. , 2017, , .		0
33	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
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