Hans Hopman

List of Publications by Year
in descending order

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41	526	759233 12	713466 21
papers	citations	h-index	g-index

42	42	42	309
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Curvature effect on wet collapse behaviours of flexible risers subjected to hydro-static pressure. Ships and Offshore Structures, 2022, 17, 619-631.	1.9	3
2	Integrating vulnerability analysis into the early stage distributed naval ship system design process. Journal of Marine Engineering and Technology, 2022, 21, 343-354.	4.1	3
3	External surface cracked offshore pipes reinforced with composite repair system: A numerical analysis. Theoretical and Applied Fracture Mechanics, 2022, 117, 103191.	4.7	4
4	Mean value first principle engine model for predicting dynamic behaviour of two-stroke marine diesel engine in various ship propulsion operations. International Journal of Naval Architecture and Ocean Engineering, 2022, 14, 100432.	2.3	4
5	WARGEAR: â€˜Real timeâ€™ generation of detailed layout plans of surface warships during early stage design. Ocean Engineering, 2022, 250, 110815.	4.3	0
6	Effects of adverse sea conditions on propulsion and manoeuvring performance of low-powered ocean-going cargo ship. Ocean Engineering, 2022, 254, 111348.	4.3	2
7	Experimental investigation on FRP-reinforced surface cracked steel plates subjected to cyclic tension. Mechanics of Advanced Materials and Structures, 2021, 28, 2551-2565.	2.6	7
8	Integration of solid oxide fuel cell and internal combustion engine for maritime applications. Applied Energy, 2021, 281, 115854.	10.1	50
9	Hardware in the loop experiments with ship propulsion systems in the towing tank: Scale effects, corrections and demonstration. Ocean Engineering, 2021, 226, 108789.	4.3	7
10	Development of an analytical model for predicting the wet collapse pressure of curved flexible risers. Ocean Engineering, 2021, 232, 109132.	4.3	2
11	Mechanical responses of submarine power cables subject to axisymmetric loadings. Ocean Engineering, 2021, 239, 109847.	4.3	6
12	An investigation on the circumferential surface crack growth in steel pipes subjected to fatigue bending. Theoretical and Applied Fracture Mechanics, 2020, 105, 102403.	4.7	20
13	External surface cracked offshore steel pipes reinforced with composite repair system subjected to cyclic bending: An experimental investigation. Theoretical and Applied Fracture Mechanics, 2020, 109, 102703.	4.7	12
14	Scale effects on the wave-making resistance of ships sailing in shallow water. Ocean Engineering, 2020, 212, 107654.	4.3	13
15	Surface Crack Growth in Offshore Metallic Pipes under Cyclic Loads: A Literature Review. Journal of Marine Science and Engineering, 2020, 8, 339.	2.6	16
16	Numerical investigation on the surface crack growth in FRP-reinforced steel plates subjected to tension. Theoretical and Applied Fracture Mechanics, 2020, 108, 102659.	4.7	8
17	Numerical analysis on the SIF of internal surface cracks in steel pipes reinforced with CRS subjected to bending. Ships and Offshore Structures, 2020, 15, 1070-1083.	1.9	4
18	Assessing complex failure scenarios of on-board distributed systems using a Markov chain. Journal of Marine Engineering and Technology, 2020, 19, 45-61.	4.1	7

#	Article	IF	Citations
19	Predicting the wet collapse pressure for flexible risers with initial ovalization and gap: An analytical solution. Marine Structures, 2020, 71, 102732.	3.8	9
20	Distributed Model Predictive Control for cooperative floating object transport with multi-vessel systems. Ocean Engineering, 2019, 191, 106515.	4.3	29
21	Joint estimation of vessel position and mooring stiffness during offshore crane operations. Automation in Construction, 2019, 101, 218-226.	9.8	17
22	Numerical Investigation on Surface Crack Growth in Steel Plates Repaired With Carbon Fiber-Reinforced Polymer. , 2019, , .		1
23	Internal Surface Crack Growth in Offshore Rigid Pipes Reinforced With CFRP. , 2018, , .		1
24	A review on predicting critical collapse pressure of flexible risers for ultra-deep oil and gas production. Applied Ocean Research, 2018, 80, 1-10.	4.1	29
25	A strain energy-based equivalent layer method for the prediction of critical collapse pressure of flexible risers. Ocean Engineering, 2018, 164, 248-255.	4.3	8
26	Strategic guidance based on the concept of cleaner production to improve the ship recycling industry. Environment Systems and Decisions, 2018, 38, 250-260.	3.4	7
27	Distributed model predictive control for vessel train formations of cooperative multi-vessel systems. Transportation Research Part C: Emerging Technologies, 2018, 92, 101-118.	7.6	95
28	An architectural framework for distributed naval ship systems. Ocean Engineering, 2018, 147, 375-385.	4.3	25
29	Prediction of the critical collapse pressure of ultra-deep water flexible risers-a: Literature review. FME Transactions, 2018, 46, 306-312.	1.4	5
30	Hydrodynamic characteristics of multiple-rudder configurations. Ships and Offshore Structures, 2017, 12, 818-836.	1.9	7
31	An integrated empirical manoeuvring model for inland vessels. Ocean Engineering, 2017, 137, 287-308.	4.3	41
32	Definition of Ship Outfitting Scheduling as a Resource Availability Cost Problem and Development of a Heuristic Solution Technique. Journal of Ship Production and Design, 2016, 32, 154-165.	0.4	2
33	Estimation methods for the steel weight of inland tank ships. Ship Technology Research, 2015, 62, 63-71.	2.5	1
34	Literature review on evaluation and prediction methods of inland vessel manoeuvrability. Ocean Engineering, 2015, 106, 458-471.	4.3	30
35	New Estimation Methods for the Steel Weight of European Inland Dry Bulk Ships. Journal of Ship Production and Design, 2015, 31, 79-87.	0.4	0
36	Challenges in computer applications for ship and floating structure design and analysis. CAD Computer Aided Design, 2012, 44, 166-185.	2.7	30

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37	A Novel Ship Subdivision Method and its Application in Constraint Management of Ship Layout Design. Journal of Ship Production and Design, 2011, 27, 137-145.	0.4	4
38	An Optimisation-Based Space Allocation Routine for the Generation of Feasible Ship Designs. Ship Technology Research, 2009, 56, 31-48.	2.5	2
39	Issues When Selecting Naval Ship Configurations from a Pareto-Optimal Set. , 2008, , .		3
40	Combining a Knowledge System with Computer-Aided Design. Ship Technology Research, 2008, 55, 51-59.	2.5	3
41	Design and Hydromechanic Aspects of the Amphibious Transport Vessel for the Royal Netherlands Navy. Naval Engineers Journal, 1994, 106, 163-174.	0.1	4