

Hans Hopman

List of Publications by Year in descending order

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41
papers

526
citations

759233

12
h-index

713466

21
g-index

42
all docs

42
docs citations

42
times ranked

309
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Integration of solid oxide fuel cell and internal combustion engine for maritime applications. Applied Energy, 2021, 281, 115854.	10.1	50
3	An integrated empirical manoeuvring model for inland vessels. Ocean Engineering, 2017, 137, 287-308.	4.3	41
4	Challenges in computer applications for ship and floating structure design and analysis. CAD Computer Aided Design, 2012, 44, 166-185.	2.7	30
5	Literature review on evaluation and prediction methods of inland vessel manoeuvrability. Ocean Engineering, 2015, 106, 458-471.	4.3	30
6	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
7	Distributed Model Predictive Control for cooperative floating object transport with multi-vessel systems. Ocean Engineering, 2019, 191, 106515.	4.3	29
8	An architectural framework for distributed naval ship systems. Ocean Engineering, 2018, 147, 375-385.	4.3	25
9	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
10	Joint estimation of vessel position and mooring stiffness during offshore crane operations. Automation in Construction, 2019, 101, 218-226.	9.8	17
11	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
12	Scale effects on the wave-making resistance of ships sailing in shallow water. Ocean Engineering, 2020, 212, 107654.	4.3	13
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	Predicting the wet collapse pressure for flexible risers with initial ovalization and gap: An analytical solution. Marine Structures, 2020, 71, 102732.	3.8	9
15	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
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	Hydrodynamic characteristics of multiple-rudder configurations. Ships and Offshore Structures, 2017, 12, 818-836.	1.9	7
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Mechanical responses of submarine power cables subject to axisymmetric loadings. Ocean Engineering, 2021, 239, 109847.	4.3	6
23	Prediction of the critical collapse pressure of ultra-deep water flexible risers-a: Literature review. FME Transactions, 2018, 46, 306-312.	1.4	5
24	Design and Hydromechanic Aspects of the Amphibious Transport Vessel for the Royal Netherlands Navy. Naval Engineers Journal, 1994, 106, 163-174.	0.1	4
25	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
26	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
27	External surface cracked offshore pipes reinforced with composite repair system: A numerical analysis. Theoretical and Applied Fracture Mechanics, 2022, 117, 103191.	4.7	4
28	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
29	Issues When Selecting Naval Ship Configurations from a Pareto-Optimal Set. , 2008, , .		3
30	Combining a Knowledge System with Computer-Aided Design. Ship Technology Research, 2008, 55, 51-59.	2.5	3
31	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
32	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
33	An Optimisation-Based Space Allocation Routine for the Generation of Feasible Ship Designs. Ship Technology Research, 2009, 56, 31-48.	2.5	2
34	Development of an analytical model for predicting the wet collapse pressure of curved flexible risers. Ocean Engineering, 2021, 232, 109132.	4.3	2
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Estimation methods for the steel weight of inland tank ships. Ship Technology Research, 2015, 62, 63-71.	2.5	1
38	Internal Surface Crack Growth in Offshore Rigid Pipes Reinforced With CFRP. , 2018, , .		1
39	Numerical Investigation on Surface Crack Growth in Steel Plates Repaired With Carbon Fiber-Reinforced Polymer. , 2019, , .		1
40	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
41	WARGEAR: â€œReal timeâ€™ generation of detailed layout plans of surface warships during early stage design. Ocean Engineering, 2022, 250, 110815.	4.3	0