Mohammed Islam

List of Publications by Year
in descending order

29 papers	145 citations	1478505 6 h-index	1281871 11 g-index
30 all docs	30 docs citations	30 times ranked	113 citing authors

#	Article	IF	Citations
1	Modelling of Dynamically Positioned vessels and managed ice-field interactions using multiple regression techniques. Ocean Engineering, 2022, 243, 110248.	4.3	2
2	Investigation of the effects of managed ice field characteristics on a dynamic positioning AHTS vessel using physical modelling techniques. Ocean Engineering, 2022, 246, 110485.	4.3	2
3	A literature survey of broken ice-structure interaction modelling methods for ships and offshore platforms. Ocean Engineering, 2021, 221, 108527.	4.3	20
4	Investigation of the Effect of Managed Ice Field Parameters on Global Forces of a Dynamically Positioned Drillship. International Journal of Offshore and Polar Engineering, 2021, 31, 137-145.	0.8	1
5	Physical model testing I for investigating the effects of managed ice-field characteristics on a dynamic positioning vessel. Cold Regions Science and Technology, 2021, 192, 103376.	3.5	5
6	Modelling and Analysis of Hydrodynamics of a Submerged Structure in Extreme Waves Using a SPH-Based Tool. , 2021, , .		0
7	Efficient Modelling of Harsh Environment Disturbances for DP and Autonomous Ships Simulations. , 2021, , .		0
8	Performance Assessment of DP Control Systems for Different Sea States. , 2020, , .		0
9	Improving accuracy and efficiency of CFD predictions of propeller open water performance. Journal of Naval Architecture and Marine Engineering, 2019, 16, 1-20.	1.2	1
10	DP in Ice Environment â€“ Improving Safety and Efficiency of Arctic Operations: An Update. , 2018, , .		0
11	Full-Scale Fairing Qualification Tests. Journal of Offshore Mechanics and Arctic Engineering, 2017, 139, .	1.2	0
12	Modeling Techniques of Puller Podded Propulsor in Extreme Conditions. Journal of Ship Research, 2017, 61, 230-255.	1.1	3
13	Research on Ducted Propeller and Rudder Interactions in Extreme Conditions. Journal of Ship Production and Design, 2017, 33, 291-309.	0.4	0
14	Data analysis methodologies for hydrodynamic experiments in waves. Journal of Naval Architecture and Marine Engineering, 2016, 13, 1-15.	1.2	11
15	DP in Ice Environment - Improving Safety and Efficiency of Arctic Operations. , 2016, , .		4
16	Ice Model Tests for Dynamic Positioning Vessel in Managed Ice. , 2016, , .		4
17	Optimization of RANS Solver Simulation Setup for Propeller Open Water Performance Prediction. , 2015, , .		0
18	Full Scale Fairing Qualification Tests. , 2015, , .		0

#	Article	IF	Citations
19	Numerical Research on Usage of Podded Propulsors in Ice Management. , 2015, , .		0
20	Full-Scale Measurements of Wave and Current Loads on Splitter Fairings. , 2014, , .		0
21	Numerical and Experimental Research on a Podded Propulsor. , 2014, , .		0
22	Uncertainty of measurements of podded propulsor performance characteristics. Ocean Engineering, 2014, 81, 130-138.	4.3	6
23	The Use of Additive Manufacturing Techniques in the Construction of Model-Scale Propellers. , 2013, , .		1
24	Sheared Current Generation in Flume Tank for Experimental Research. , 2013, , .		1
25	VIV Response of a Subsea Jumper in Uniform Current. , 2013, , .		7
26	Modelling Details of Fenders in Float-Over Installation Experiments. , 2012, , .		1
27	Combined use of dimensional analysis and modern experimental design methodologies in hydrodynamics experiments. Ocean Engineering, 2009, 36, 237-247.	4.3	41
28	Unsteady hydromechanics of a steering podded propeller unit. Ocean Engineering, 2009, 36, 1003-1014.	4.3	26
29	Numerical simulation of 3D turbulent flow through an entire stage in a multistage centrifugal pump. International Journal of Computational Fluid Dynamics, 2006, 20, 309-314.	1.2	9