

Soon-Seok Song

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

484
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation into the effect of biofouling on the ship hydrodynamic characteristics using CFD. Ocean Engineering, 2019, 175, 122-137.	4.3	86
2	Penalty of hull and propeller fouling on ship self-propulsion performance. Applied Ocean Research, 2020, 94, 102006.	4.1	58
3	Impact of biofilm on the ship propulsion characteristics and the speed reduction. Ocean Engineering, 2020, 199, 107033.	4.3	51
4	Validation of the CFD approach for modelling roughness effect on ship resistance. Ocean Engineering, 2020, 200, 107029.	4.3	46
5	Fouling effect on the resistance of different ship types. Ocean Engineering, 2020, 216, 107736.	4.3	31
6	Scale effect on ship resistance components and form factor. Ocean Engineering, 2020, 209, 107428.	4.3	31
7	Prediction of the fouling penalty on the tidal turbine performance and development of its mitigation measures. Applied Energy, 2020, 276, 115498.	10.1	27
8	Free running CFD simulations to investigate ship manoeuvrability in waves. Ocean Engineering, 2021, 236, 109567.	4.3	25
9	Numerical evaluation of a ship's manoeuvrability and course keeping control under various wave conditions using CFD. Ocean Engineering, 2021, 237, 109615.	4.3	23
10	Unsteady RANS CFD simulations of ship manoeuvrability and course keeping control under various wave height conditions. Applied Ocean Research, 2021, 117, 102940.	4.1	18
11	Experimental investigation on the effect of heterogeneous hull roughness on ship resistance. Ocean Engineering, 2021, 223, 108590.	4.3	16
12	Experimental and Theoretical Study of the Effect of Hull Roughness on Ship Resistance. Journal of Ship Research, 2021, 65, 62-71.	1.1	13
13	A study on the efficient numerical analysis for the prediction of full-scale propeller performance using CFD. Ocean Engineering, 2021, 240, 109931.	4.3	12
14	CFD analysis of the effect of heterogeneous hull roughness on ship resistance. Ocean Engineering, 2022, 258, 111733.	4.3	12
15	Propeller Performance Penalty of Biofouling: Computational Fluid Dynamics Prediction. Journal of Offshore Mechanics and Arctic Engineering, 2020, 142, .	1.2	11
16	Nonlinear URANS model for evaluating course keeping and turning capabilities of a vessel with propulsion system failure in waves. International Journal of Naval Architecture and Ocean Engineering, 2022, 14, 100425.	2.3	10
17	Investigating the Effect of Heterogeneous Hull Roughness on Ship Resistance Using CFD. Journal of Marine Science and Engineering, 2021, 9, 202.	2.6	9
18	An Investigation Into the Effect of Biofouling on Full-Scale Propeller Performance Using CFD. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
19	Experimental study on the effect of biomimetic tubercles on the drag of a flat plate. Ocean Engineering, 2022, 255, 111445.	4.3	1