

# Osman Turan

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,521  
citations

331670

21  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-scale unsteady RANS CFD simulations of ship behaviour and performance in head seas due to slow steaming. Ocean Engineering, 2015, 97, 186-206.	4.3	267
2	Predicting the effect of biofouling on ship resistance using CFD. Applied Ocean Research, 2017, 62, 100-118.	4.1	137
3	A semi-empirical ship operational performance prediction model for voyage optimization towards energy efficient shipping. Ocean Engineering, 2015, 110, 18-28.	4.3	110
4	Effect of barnacle fouling on ship resistance and powering. Biofouling, 2017, 33, 819-834.	2.2	94
5	Estimation of added resistance and ship speed loss in a seaway. Ocean Engineering, 2017, 141, 465-476.	4.3	89
6	Design optimisation of Propeller Boss Cap Fins for enhanced propeller performance. Applied Ocean Research, 2017, 62, 210-222.	4.1	83
7	A CFD model for the frictional resistance prediction of antifouling coatings. Ocean Engineering, 2014, 89, 21-31.	4.3	81
8	Analytical investigation of marine casualties at the Strait of Istanbul with SWOTâ€™AHP method. Maritime Policy and Management, 2009, 36, 131-145.	3.8	69
9	Increasing ship operational reliability through the implementation of a holistic maintenance management strategy. Ships and Offshore Structures, 2010, 5, 337-357.	1.9	53
10	A numerical investigation of the squat and resistance of ships advancing through a canal using CFD. Journal of Marine Science and Technology, 2016, 21, 86-101.	2.9	48
11	Validation of the CFD approach for modelling roughness effect on ship resistance. Ocean Engineering, 2020, 200, 107029.	4.3	46
12	Numerical studies on added resistance and motions of KVLCC2 in head seas for various ship speeds. Ocean Engineering, 2017, 140, 466-476.	4.3	44
13	Can We Learn from Aviation: Safety Enhancements in Transport by Achieving Human Orientated Resilient Shipping Environment. Transportation Research Procedia, 2016, 14, 1669-1678.	1.5	40
14	Investigation of optimum jack-up vessel chartering strategy for offshore wind farm O&M activities. Ocean Engineering, 2015, 95, 106-115.	4.3	32
15	Operability assessment of high speed passenger ships based on human comfort criteria. Ocean Engineering, 2014, 89, 32-52.	4.3	31
16	Time-dependent biofouling growth model for predicting the effects of biofouling on ship resistance and powering. Ocean Engineering, 2019, 191, 106432.	4.3	28
17	Practical added resistance diagrams to predict fouling impact on ship performance. Ocean Engineering, 2019, 186, 106112.	4.3	28
18	Does the barnacle settlement pattern affect ship resistance and powering?. Applied Ocean Research, 2020, 95, 102020.	4.1	27

#	ARTICLE	IF	CITATIONS
19	Effect of biofouling roughness on a marine propeller's performance including cavitation and underwater radiated noise (URN). Applied Ocean Research, 2021, 107, 102491.	4.1	24
20	The Need to Amend IMO's EEDI to Include a Threshold for Performance in Waves (Realistic Sea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.2	23
21	Optimizing Ship Routing to Maximize Fleet Revenue at Danaos. Interfaces, 2013, 43, 37-47.	1.5	22
22	Prediction of human-machine interface (HMI) operational errors for maritime autonomous surface ships (MASS). Journal of Marine Science and Technology, 2022, 27, 293-306.	2.9	21
23	Experimental Determination of Added Hydrodynamic Resistance Caused by Marine Biofouling on Ships. Transportation Research Procedia, 2016, 14, 1649-1658.	1.5	20
24	Investigation of occupational noise exposure in a ship recycling yard. Ocean Engineering, 2017, 137, 440-449.	4.3	20
25	Theory of a subjective vertical-horizontal conflict physiological motion sickness model for contemporary ships. Journal of Marine Science and Technology, 2011, 16, 214-225.	2.9	17
26	Manoeuvring prediction based on CFD generated derivatives. Journal of Hydrodynamics, 2016, 28, 284-292.	3.2	17
27	An application of BBNs on the integrated energy efficiency of ship-port interface: a dry bulk shipping case. Maritime Policy and Management, 2019, 46, 845-865.	3.8	12
28	A CFD study: Influence of biofouling on a full-scale submarine. Applied Ocean Research, 2021, 109, 102561.	4.1	11
29	Investigation of different cutting technologies in a ship recycling yard with simulation approach. Ships and Offshore Structures, 2022, 17, 564-576.	1.9	9
30	An extended human reliability analysing under fuzzy logic environment for ship navigation. Australian Journal of Maritime and Ocean Affairs, 2023, 15, 189-209.	2.0	8
31	Application of data-mining techniques to predict and rank maritime non-conformities in tanker shipping companies using accident inspection reports. Ships and Offshore Structures, 2022, 17, 687-694.	1.9	5
32	A Bayesian Belief Network Model for Integrated Energy Efficiency of Shipping. WMU Studies in Maritime Affairs, 2018, , 257-273.	1.0	4
33	Experimental study on the effect of biomimetic tubercles on the drag of a flat plate. Ocean Engineering, 2022, 255, 111445.	4.3	1
34	Determining the effects of implementing IMO's Hong Kong Convention's requirements on the productivity of a ship recycling yard by using discrete event simulation. Ships and Offshore Structures, 0, , 1-12.	1.9	0