

# Iraklis Lazakis

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,222  
citations

331670

21  
h-index

454955

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel framework for imputing large gaps of missing values from time series sensor data of marine machinery systems. <i>Ships and Offshore Structures</i> , 2022, 17, 1802-1811.	1.9	9
2	Bayesian and machine learning-based fault detection and diagnostics for marine applications. <i>Ships and Offshore Structures</i> , 2022, 17, 2686-2698.	1.9	7
3	A real-time data-driven framework for the identification of steady states of marine machinery. <i>Applied Ocean Research</i> , 2022, 121, 103052.	4.1	8
4	Analysing the effectiveness of different offshore maintenance base options for floating wind farms. <i>Wind Energy Science</i> , 2022, 7, 887-901.	3.3	5
5	RADIS: A real-time anomaly detection intelligent system for fault diagnosis of marine machinery. <i>Expert Systems With Applications</i> , 2022, 204, 117634.	7.6	24
6	An optimization framework for daily route planning and scheduling of maintenance vessel activities in offshore wind farms. <i>Ocean Engineering</i> , 2021, 225, 108752.	4.3	24
7	An Innovative Machine Learning System for Real Time Condition Monitoring of Ship Machinery. <i>Lecture Notes in Civil Engineering</i> , 2021, , 753-768.	0.4	3
8	Application of NARX neural network for predicting marine engine performance parameters. <i>Ships and Offshore Structures</i> , 2020, 15, 443-452.	1.9	33
9	Machine learning and data-driven fault detection for ship systems operations. <i>Ocean Engineering</i> , 2020, 216, 107968.	4.3	52
10	Real-time data-driven missing data imputation for short-term sensor data of marine systems. A comparative study. <i>Ocean Engineering</i> , 2020, 218, 108261.	4.3	40
11	A novel, data-driven heuristic framework for vessel weather routing. <i>Ocean Engineering</i> , 2020, 197, 106887.	4.3	56
12	Investigating an SVM-driven, one-class approach to estimating ship systems condition. <i>Ships and Offshore Structures</i> , 2019, 14, 432-441.	1.9	43
13	A novel data condition and performance hybrid imputation method for energy efficient operations of marine systems. <i>Ocean Engineering</i> , 2019, 188, 106220.	4.3	34
14	Machine learning models for predicting ship main engine Fuel Oil Consumption: A comparative study. <i>Ocean Engineering</i> , 2019, 188, 106282.	4.3	125
15	A systematic review of transferable solution options for the environmental impacts of tidal lagoons. <i>Marine Policy</i> , 2019, 99, 190-200.	3.2	3
16	Assessing offshore wind turbine reliability and availability. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019, 233, 267-282.	0.5	4
17	Marine dual fuel engine modelling and parametric investigation of engine settings effect on performance-emissions trade-offs. <i>Ocean Engineering</i> , 2018, 157, 376-386.	4.3	65
18	Using artificial neural network-self-organising map for data clustering of marine engine condition monitoring applications. <i>Ships and Offshore Structures</i> , 2018, 13, 649-656.	1.9	52

#	ARTICLE	IF	CITATIONS
19	Environmental interactions of tidal lagoons: A comparison of industry perspectives. Renewable Energy, 2018, 119, 309-319.	8.9	9
20	Development of an extended mean value engine model for predicting the marine two-stroke engine operation at varying settings. Energy, 2018, 143, 533-545.	8.8	30
21	On modeling insights for emerging engineering problems: A case study on the impact of climate uncertainty on the operational performance of offshore wind farms. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2018, 232, 524-532.	0.7	0
22	Availability, operation and maintenance costs of offshore wind turbines with different drive train configurations. Wind Energy, 2017, 20, 361-378.	4.2	94
23	Advanced Ship Systems Condition Monitoring for Enhanced Inspection, Maintenance and Decision Making in Ship Operations. Transportation Research Procedia, 2016, 14, 1679-1688.	1.5	46
24	Selection of the best maintenance approach in the maritime industry under fuzzy multiple attributive group decision-making environment. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2016, 230, 297-309.	0.5	27
25	Sensitivity analysis of offshore wind farm operation and maintenance cost and availability. Renewable Energy, 2016, 85, 1226-1236.	8.9	133
26	Cost Benefit Analysis of Mothership Concept and Investigation of Optimum Chartering Strategy for Offshore Wind Farms. Energy Procedia, 2015, 80, 63-71.	1.8	10
27	Investigation of Optimum Crew Transfer Vessel Fleet for Offshore Wind Farm Maintenance Operations. Wind Engineering, 2015, 39, 31-52.	1.9	34
28	Investigation of optimum jack-up vessel chartering strategy for offshore wind farm O&M activities. Ocean Engineering, 2015, 95, 106-115.	4.3	32
29	Advanced logistics planning for offshore wind farm operation and maintenance activities. Ocean Engineering, 2015, 101, 211-226.	4.3	110
30	Development of a Combined Operational and Strategic Decision Support Model for Offshore Wind. Energy Procedia, 2013, 35, 157-166.	1.8	57
31	Increasing ship operational reliability through the implementation of a holistic maintenance management strategy. Ships and Offshore Structures, 2010, 5, 337-357.	1.9	53