Philipp R Thies

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8823722/publications.pdf

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34	546	623734	677142
papers	citations	14	22
		h-index	g-index

35	35	35	445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical model validation for mooring systems: Method and application for wave energy converters. Renewable Energy, 2015, 75, 869-887.	8.9	45
2	Mooring line fatigue damage evaluation for floating marine energy converters: Field measurements and prediction. Renewable Energy, 2014, 63, 133-144.	8.9	44
3	Current Status and Future Trends in the Operation and Maintenance of Offshore Wind Turbines: A Review. Energies, 2021, 14, 2484.	3.1	43
4	Offshore aquaculture of finfish: Big expectations at sea. Reviews in Aquaculture, 2022, 14, 791-815.	9.0	35
5	Life cycle assessment of floating offshore wind farms: An evaluation of operation and maintenance. Applied Energy, 2022, 307, 118067.	10.1	32
6	A decision support model to optimise the operation and maintenance strategies of an offshore renewable energy farm. Ocean Engineering, 2017, 145, 250-262.	4.3	28
7	Offshore wind installation vessels â€“ A comparative assessment for UK offshore rounds 1 and 2. Ocean Engineering, 2018, 148, 637-649.	4.3	27
8	Incorporating stochastic operation and maintenance models into the techno-economic analysis of floating offshore wind farms. Applied Energy, 2021, 301, 117420.	10.1	27
9	A review of component and system reliability in tidal turbine deployments. Renewable and Sustainable Energy Reviews, 2021, 151, 111495.	16.4	25
10	A review of the UK and British Channel Islands practical tidal stream energy resource. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210469.	2.1	24
11	Monitoring the condition of Marine Renewable Energy Devices through underwater Acoustic Emissions: Case study of a Wave Energy Converter in Falmouth Bay, UK. Renewable Energy, 2017, 102, 205-213.	8.9	20
12	A Novel Mooring Tether for Highly-Dynamic Offshore Applications; Mitigating Peak and Fatigue Loads via Selectable Axial Stiffness. Journal of Marine Science and Engineering, 2015, 3, 1287-1310.	2.6	19
13	Mooring system design optimization using a surrogate assisted multi-objective genetic algorithm. Engineering Optimization, 2019, 51, 1370-1392.	2.6	19
14	Multi-objective optimization of the operation and maintenance assets of an offshore wind farm using genetic algorithms. Wind Engineering, 2020, 44, 390-409.	1.9	15
15	Underwater acoustic emission monitoring â€“ Experimental investigations and acoustic signature recognition of synthetic mooring ropes. Applied Acoustics, 2017, 121, 95-103.	3.3	14
16	Offshore wind turbine fault alarm prediction. Wind Energy, 2019, 22, 1779-1788.	4.2	14
17	On the Analysis of a Wave Energy Farm with Focus on Maintenance Operations. Journal of Marine Science and Engineering, 2016, 4, 51.	2.6	13
18	Standardising Marine Renewable Energy Testing: Gap Analysis and Recommendations for Development of Standards. Journal of Marine Science and Engineering, 2021, 9, 971.	2.6	13

#	Article	IF	Citations
19	A life cycle assessment comparison of materials for a tidal stream turbine blade. Applied Energy, 2022, 309, 118353.	10.1	13
20	Reducing Reliability Uncertainties for Marine Renewable Energy. Journal of Marine Science and Engineering, 2015, 3, 1349-1361.	2.6	11
21	On Peak Mooring Loads and the Influence of Environmental Conditions for Marine Energy Converters. Journal of Marine Science and Engineering, 2016, 4, 29.	2.6	9
22	Increased chlorophyll-‹i›a‹/i› concentration in the South China Sea caused by occasional sea surface temperature fronts at peripheries of eddies. International Journal of Remote Sensing, 2018, 39, 4360-4375.	2.9	9
23	Evaluating Mooring Line Test Procedures through the Application of a Round Robin Test Approach. Journal of Marine Science and Engineering, 2020, 8, 436.	2.6	7
24	Offshore inspection mission modelling for an ASV/ROV system. Ocean Engineering, 2022, 259, 111899.	4.3	7
25	Verification and Benchmarking Methodology for O&M Planning and Optimization Tools in the Offshore Renewable Energy Sector. , 2018, , .		6
26	Comparison of Macro-Scale Porosity Implementations for CFD Modelling of Wave Interaction with Thin Porous Structures. Journal of Marine Science and Engineering, 2021, 9, 150.	2.6	6
27	Using a porous-media approach for CFD modelling of wave interaction with thin perforated structures. Journal of Ocean Engineering and Marine Energy, 2021, 7, 1-23.	1.7	6
28	Quantifying the Effects of Waveâ€"Current Interactions on Tidal Energy Resource at Sites in the English Channel Using Coupled Numerical Simulations. Energies, 2021, 14, 3625.	3.1	3
29	Floating offshore wind turbines port requirements for construction. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2022, 236, 1047-1056.	0.5	3
30	Assessing Energy Transition Scenarios for Islands through Network Reliability and Power Flow Analysis. , 2019, , .		2
31	Assessing marine operations with a Markov-switching autoregressive metocean model. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 785-802.	0.5	2
32	Anchor loads for shallow water mooring of a 15 MW floating wind turbine â€" Part I: Chain catenary moorings for single and shared anchor scenarios. Ocean Engineering, 2022, 266, 111816.	4.3	2
33	Currents, Waves and Turbulence Measurement: A View from Multiple Industrial-Academic Projects in Tidal Stream Energy. , 2019, , .		1
34	Performance and reliability testing of an active mooring system for peak load reduction. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2018, 232, 130-140.	0.5	0