

Philipp R Thies

List of Publications by Year in descending order

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34
papers

546
citations

623734

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677142

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35
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35
docs citations

35
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Offshore aquaculture of finfish: Big expectations at sea. <i>Reviews in Aquaculture</i> , 2022, 14, 791-815.	9.0	35
2	Life cycle assessment of floating offshore wind farms: An evaluation of operation and maintenance. <i>Applied Energy</i> , 2022, 307, 118067.	10.1	32
3	A life cycle assessment comparison of materials for a tidal stream turbine blade. <i>Applied Energy</i> , 2022, 309, 118353.	10.1	13
4	Floating offshore wind turbines port requirements for construction. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2022, 236, 1047-1056.	0.5	3
5	Anchor loads for shallow water mooring of a 15 MW floating wind turbine – Part I: Chain catenary moorings for single and shared anchor scenarios. <i>Ocean Engineering</i> , 2022, 266, 111816.	4.3	2
6	Offshore inspection mission modelling for an ASV/ROV system. <i>Ocean Engineering</i> , 2022, 259, 111899.	4.3	7
7	Comparison of Macro-Scale Porosity Implementations for CFD Modelling of Wave Interaction with Thin Porous Structures. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 150.	2.6	6
8	Current Status and Future Trends in the Operation and Maintenance of Offshore Wind Turbines: A Review. <i>Energies</i> , 2021, 14, 2484.	3.1	43
9	Quantifying the Effects of Wave-Current Interactions on Tidal Energy Resource at Sites in the English Channel Using Coupled Numerical Simulations. <i>Energies</i> , 2021, 14, 3625.	3.1	3
10	Standardising Marine Renewable Energy Testing: Gap Analysis and Recommendations for Development of Standards. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 971.	2.6	13
11	A review of component and system reliability in tidal turbine deployments. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111495.	16.4	25
12	Incorporating stochastic operation and maintenance models into the techno-economic analysis of floating offshore wind farms. <i>Applied Energy</i> , 2021, 301, 117420.	10.1	27
13	Using a porous-media approach for CFD modelling of wave interaction with thin perforated structures. <i>Journal of Ocean Engineering and Marine Energy</i> , 2021, 7, 1-23.	1.7	6
14	A review of the UK and British Channel Islands practical tidal stream energy resource. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20210469.	2.1	24
15	Multi-objective optimization of the operation and maintenance assets of an offshore wind farm using genetic algorithms. <i>Wind Engineering</i> , 2020, 44, 390-409.	1.9	15
16	Evaluating Mooring Line Test Procedures through the Application of a Round Robin Test Approach. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 436.	2.6	7
17	Assessing marine operations with a Markov-switching autoregressive metocean model. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2020, 234, 785-802.	0.5	2
18	Offshore wind turbine fault alarm prediction. <i>Wind Energy</i> , 2019, 22, 1779-1788.	4.2	14

#	ARTICLE	IF	CITATIONS
19	Assessing Energy Transition Scenarios for Islands through Network Reliability and Power Flow Analysis. , 2019, , .		2
20	Currents, Waves and Turbulence Measurement: A View from Multiple Industrial-Academic Projects in Tidal Stream Energy. , 2019, , .		1
21	Mooring system design optimization using a surrogate assisted multi-objective genetic algorithm. Engineering Optimization, 2019, 51, 1370-1392.	2.6	19
22	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
23	Offshore wind installation vessels â€œ A comparative assessment for UK offshore rounds 1 and 2. Ocean Engineering, 2018, 148, 637-649.	4.3	27
24	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
25	Verification and Benchmarking Methodology for O&M Planning and Optimization Tools in the Offshore Renewable Energy Sector. , 2018, , .		6
26	Underwater acoustic emission monitoring â€œ Experimental investigations and acoustic signature recognition of synthetic mooring ropes. Applied Acoustics, 2017, 121, 95-103.	3.3	14
27	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
28	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
29	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
30	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
31	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
32	Reducing Reliability Uncertainties for Marine Renewable Energy. Journal of Marine Science and Engineering, 2015, 3, 1349-1361.	2.6	11
33	Numerical model validation for mooring systems: Method and application for wave energy converters. Renewable Energy, 2015, 75, 869-887.	8.9	45
34	Mooring line fatigue damage evaluation for floating marine energy converters: Field measurements and prediction. Renewable Energy, 2014, 63, 133-144.	8.9	44