Jean Christophe Gilloteaux

List of Publications by Year
in descending order

22	290	1306789 7	1199166 12
papers	citations	h-index	g-index

25	25	25	212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Techno-economic feasibility of fleets of far offshore hydrogen-producing wind energy converters. International Journal of Hydrogen Energy, 2018, 43, 7266-7289.	3.8	84
2	Influence of nonlinear Froudeâ€“Krylov forces on the performance of two wave energy points absorbers. Journal of Ocean Engineering and Marine Energy, 2017, 3, 209-220.	0.9	31
3	Optimization and Time-Domain Simulation of the SEAREV Wave Energy Converter. , 2005, , 703.		23
4	A Nonlinear Extension for Linear Boundary Element Methods in Wave Energy Device Modelling. , 2012, , .		22
5	A modelling methodology for multi-body systems with application to wave-energy devices. Ocean Engineering, 2008, 35, 1381-1387.	1.9	21
6	Control-informed geometric optimisation of wave energy converters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 366-371.	0.4	17
7	A Non-Linear Potential Model to Predict Large-Amplitudes-Motions: Application to the SEAREV Wave Energy Converter. , 2007, , 529.		12
8	Exploitation of the far-offshore wind energy resource by fleets of energy ships â€“ Part 1: Energy ship design and performance. Wind Energy Science, 2020, 5, 839-853.	1.2	12
9	Experimental investigation of the hydro-elastic response of a spar-type floating offshore wind turbine. Ocean Engineering, 2022, 255, 111430.	1.9	11
10	Fully Coupled Floating Wind Turbine Simulator Based on Nonlinear Finite Element Method: Part I â€” Methodology. , 2013, , .		8
11	A weak-scatterer potential flow theory-based model for the hydroelastic analysis of offshore wind turbine substructures. Ocean Engineering, 2021, 238, 109702.	1.9	8
12	Preliminary Design of a Wind Driven Vessel Dedicated to Hydrogen Production. , 2017, , .		7
13	Experimental validation of the energy ship concept for far-offshore wind energy conversion. Ocean Engineering, 2021, 239, 109830.	1.9	7
14	Wind Propulsion Options for Energy Ships. , 2018, , .		5
15	Energy and economic performance of the FARWIND energy system for sustainable fuel production from the far-offshore wind energy resource. , 2019, , .		5
16	Comparison of the capacity factor of stationary wind turbines and weather-routed energy ships in the far-offshore. Journal of Physics: Conference Series, 2019, 1356, 012001.	0.3	4
17	Exploitation of the far-offshore wind energy resource by fleets of energy ships â€“ Part 2: Updated ship design and cost of energy estimate. Wind Energy Science, 2021, 6, 1191-1204.	1.2	4
18	Development of a Simulation Tool Coupling Hydrodynamics and Unsteady Aerodynamics to Study Floating Wind Turbines. , 2017, , .		3

#	Article	IF	Citations
19	Impact of the aerodynamic model on the modelling of the behaviour of a Floating Vertical Axis Wind Turbine. Journal of Physics: Conference Series, 2018, 1104, 012001.	0.3	2
20	Experimental proof-of-concept of an energy ship propelled by a Flettner rotor. Journal of Physics: Conference Series, 2022, 2265, 042057.	0.3	1
21	A New Ballasted Floating Support for Offshore Wind Turbine. , 2014, , .		0
22	Towards Numerical Simulation of Offshore Wind Turbines Using Anisotropic Mesh Adaptation. Springer Tracts in Mechanical Engineering, 2019, , 95-104.	0.1	0