

# Antonio M Pegalajar-Jurado

## List of Publications by Year in descending order

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21  
papers

357  
citations

759233

12  
h-index

839539

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Triple Spar campaign: Model tests of a 10MW floating wind turbine with waves, wind and pitch control. <i>Energy Procedia</i> , 2017, 137, 58-76.	1.8	52
2	An efficient frequency-domain model for quick load analysis of floating offshore wind turbines. <i>Wind Energy Science</i> , 2018, 3, 693-712.	3.3	45
3	Experimental analysis of the scaled DTU10MW TLP floating wind turbine with different control strategies. <i>Renewable Energy</i> , 2020, 155, 330-346.	8.9	34
4	The Triple Spar Campaign: Implementation and Test of a Blade Pitch Controller on a Scaled Floating Wind Turbine Model. <i>Energy Procedia</i> , 2017, 137, 323-338.	1.8	33
5	OC6 Phase I: Investigating the underprediction of low-frequency hydrodynamic loads and responses of a floating wind turbine. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 032033.	0.4	33
6	Investigation of the floating IEA Wind 15 MW RWT using vortex methods Part I: Flow regimes and wake recovery. <i>Wind Energy</i> , 2022, 25, 468-504.	4.2	20
7	Reproduction of slow-drift motions of a floating wind turbine using second-order hydrodynamics and Operational Modal Analysis. <i>Marine Structures</i> , 2019, 66, 178-196.	3.8	19
8	Response of the International Energy Agency (IEA) Wind 15MW WindCrete and Activefloat floating wind turbines to wind and second-order waves. <i>Wind Energy Science</i> , 2021, 6, 867-883.	3.3	17
9	State-of-the-art model for the LIFES50+ OO-Star Wind Floater Semi 10MW floating wind turbine. <i>Journal of Physics: Conference Series</i> , 2018, 1104, 012024.	0.4	16
10	Layout Optimization Process to Minimize the Cost of Energy of an Offshore Floating Hybrid Wind-Wave Farm. <i>Processes</i> , 2020, 8, 139.	2.8	15
11	Experimental and numerical study of a 10MW TLP wind turbine in waves and wind. <i>Journal of Physics: Conference Series</i> , 2016, 753, 092007.	0.4	13
12	Optimization of floating wind turbine support structures using frequency-domain analysis and analytical gradients. <i>Journal of Physics: Conference Series</i> , 2020, 1618, 042028.	0.4	12
13	Wave- and drag-driven subharmonic responses of a floating wind turbine. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	3.4	9
14	Multi-level Hydrodynamic Modelling of a Scaled 10MW TLP Wind Turbine. <i>Energy Procedia</i> , 2016, 94, 124-132.	1.8	8
15	Performance study of the QuLAF pre-design model for a 10MW floating wind turbine. <i>Wind Energy Science</i> , 2019, 4, 527-547.	3.3	7
16	Investigation of the floating IEA wind 15MW RWT using vortex methods Part II: Wake impact on downstream turbines under turbulent inflow. <i>Wind Energy</i> , 2022, 25, 1434-1463.	4.2	6
17	Damping Identification of the TetraSpar Floater in Two Configurations With Operational Modal Analysis. , 2019, , .		5
18	Second-order monopile wave loads at linear cost. <i>Coastal Engineering</i> , 2021, 170, 103952.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Gradient-based optimization of a 15 MW wind turbine spar floater. Journal of Physics: Conference Series, 2021, 2018, 012032.	0.4	3
20	Effect of Second-Order and Fully Nonlinear Wave Kinematics on a Tension-Leg-Platform Wind Turbine in Extreme Wave Conditions. , 2017, , .		3
21	The TripleSpar Campaign: Validation of a Reduced-Order Simulation Model for Floating Wind Turbines. , 2018, , .		2