

MÂ^a Isabel Lamas Galdo

List of Publications by Year in descending order

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46
papers

581
citations

471509

17
h-index

677142

22
g-index

47
all docs

47
docs citations

47
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology to calculate the installation costs of offshore wind farms located in deep waters. <i>Journal of Cleaner Production</i> , 2018, 170, 1124-1135.	9.3	42
2	Numerical model to analyze Nox reduction by ammonia injection in diesel-hydrogen engines. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26132-26141.	7.1	39
3	Managing the oceans: Site selection of a floating offshore wind farm based on GIS spatial analysis. <i>Marine Policy</i> , 2020, 113, 103803.	3.2	36
4	Numerical Analysis of NOx Reduction Using Ammonia Injection and Comparison with Water Injection. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 109.	2.6	29
5	Computational Fluid Dynamics Analysis of the Scavenging Process in the MAN B&W 7S50MC Two-Stroke Marine Diesel Engine. <i>Journal of Ship Research</i> , 2012, 56, 154-161.	1.1	28
6	Numerical Analysis of Emissions from Marine Engines Using Alternative Fuels. <i>Polish Maritime Research</i> , 2015, 22, 48-52.	1.9	28
7	A numerical investigation of laminar flow of a water/alumina nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2013, 59, 423-432.	4.8	24
8	Internal modifications to reduce pollutant emissions from marine engines. A numerical approach. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2013, 5, 493-501.	2.3	24
9	Effect of multiple injection strategies on emissions and performance in the Wärtsilä 6L 46 marine engine. A numerical approach. <i>Journal of Cleaner Production</i> , 2019, 206, 1-10.	9.3	24
10	Numerical model to study the combustion process and emissions in the Wärtsilä 6L 46 four-stroke marine engine. <i>Polish Maritime Research</i> , 2013, 20, 61-66.	1.9	21
11	Numerical Model of SO ₂ Scrubbing with Seawater Applied to Marine Engines. <i>Polish Maritime Research</i> , 2016, 23, 42-47.	1.9	20
12	Hydrodynamics of Biomimetic Marine Propulsion and Trends in Computational Simulations. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 479.	2.6	20
13	Assessment of the Materials Employed in Green Artificial Reefs for the Galician Estuaries in Terms of Circular Economy. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8850.	2.6	19
14	An Economic Analysis of An Innovative Floating Offshore Wind Platform Built with Concrete: The SATHA® Platform. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3678.	2.5	19
15	Experimental and simulation studies on laser conduction welding of AA5083 aluminium alloys. <i>Physics Procedia</i> , 2010, 5, 299-308.	1.2	18
16	NOx Reduction in Diesel-Hydrogen Engines Using Different Strategies of Ammonia Injection. <i>Energies</i> , 2019, 12, 1255.	3.1	17
17	Optimization of a Multiple Injection System in a Marine Diesel Engine through a Multiple-Criteria Decision-Making Approach. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 946.	2.6	17
18	Possibilities of Ammonia as Both Fuel and NOx Reductant in Marine Engines: A Numerical Study. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 43.	2.6	17

#	ARTICLE	IF	CITATIONS
19	Numerical model to study the valve overlap period in the WÄrtsilÄ 6L 46 four-stroke marine engine. Polish Maritime Research, 2012, 19, .	1.9	12
20	Three-dimensional cfd analysis to study the thrust and efficiency of a biologically-inspired marine propulsor. Polish Maritime Research, 2011, 18, .	1.9	11
21	Definition of an Artificial Reef Unit through Hydrodynamic and Structural (CFD and FEM) Modelsâ€™Application to the Ares-Betanzos Estuary. Journal of Marine Science and Engineering, 2022, 10, 230.	2.6	11
22	Analysis of the Pre-Injection System of a Marine Diesel Engine Through Multiple-Criteria Decision-Making and Artificial Neural Networks. Polish Maritime Research, 2022, 28, 88-96.	1.9	10
23	Erosive Degradation Study of Concrete Augmented by Mussel Shells for Marine Construction. Journal of Marine Science and Engineering, 2021, 9, 1087.	2.6	9
24	Proposed Conceptual Framework to Design Artificial Reefs Based on Particular Ecosystem Ecology Traits. Biology, 2022, 11, 680.	2.8	9
25	Economic Feasibility of Floating Offshore Wind Farms Considering Near Future Wind Resources: Case Study of Iberian Coast and Bay of Biscay. International Journal of Environmental Research and Public Health, 2021, 18, 2553.	2.6	8
26	Proposal of a Nature-Inspired Shape for a Vertical Axis Wind Turbine and Comparison of Its Performance with a Semicircular Blade Profile. Applied Sciences (Switzerland), 2021, 11, 6198.	2.5	8
27	Effects of the Expanded Panama Canal on Vessel Size and Seaborne Transport. Promet - Traffic - Traffico, 2018, 30, 241-251.	0.7	8
28	Analysis of a Nature-Inspired Shape for a Vertical Axis Wind Turbine. Applied Sciences (Switzerland), 2022, 12, 7018.	2.5	8
29	Selection of an Appropriate Pre-Injection Pattern in a Marine Diesel Engine Through a Multiple-Criteria Decision Making Approach. Applied Sciences (Switzerland), 2020, 10, 2482.	2.5	6
30	Numerical analysis of the bubble detachment diameter in nucleate boiling. Journal of Physics: Conference Series, 2012, 395, 012174.	0.4	5
31	Heat transfer enhancement in nanofluids. A numerical approach. Journal of Physics: Conference Series, 2012, 395, 012116.	0.4	5
32	ANALYSIS OF THE PRE-INJECTION CONFIGURATION IN A MARINE ENGINE THROUGH SEVERAL MCDM TECHNIQUES. Brodogradnja, 2021, 72, 1-17.	1.9	5
33	Marine Engines Performance and Emissions. Journal of Marine Science and Engineering, 2021, 9, 280.	2.6	4
34	Numerical Model to Analyze the Physicochemical Mechanisms Involved in CO2 Absorption by an Aqueous Ammonia Droplet. International Journal of Environmental Research and Public Health, 2021, 18, 4119.	2.6	4
35	Computational Fluid Dynamics Analysis of NOx Reduction by Ammonia Injection in the Man B&W 7s50mc Marine Engine. , 2014, 156, .		4
36	MODELO DE MECANICA DE FLUIDOS COMPUTACIONAL PARA EL PROCESO DE BARRIDO EN UN MOTOR OTTO DE DOS TIEMPOS. Dyna (Spain), 2011, 86, 165-172.	0.2	3

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37	Internal Modifications to Optimize Pollution and Emissions of Internal Combustion Engines through Multiple-Criteria Decision-Making and Artificial Neural Networks. International Journal of Environmental Research and Public Health, 2021, 18, 12823.	2.6	3
38	Thermocapillary and not thermocapillary convection around non-condensable gas bubbles. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2013, 35, 493-503.	1.6	2
39	A numerical evaluation of the contribution of different heat transfer mechanisms in nucleate boiling. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1543-1553.	1.6	2
40	A Simple Methodology Based on the Pittsburgh Coal Method for Assessing Specific Explosion Risks in Dust-Generated Explosive Atmospheres: A Case Study from Galicia (NW Spain). Drying Technology, 2015, 33, 301-314.	3.1	1
41	MODELO DE MECÁNICA DE FLUIDOS COMPUTACIONAL PARA EL ESTUDIO DE LA COMBUSTIÓN EN UN MOTOR DIESEL DE CUATRO TIEMPOS. Dyna (Spain), 2013, 88, 91-98.	0.2	1
42	CFD Applied to Floating Offshore Wind Energy. Green Energy and Technology, 2016, , 77-87.	0.6	0
43	Offshore Wind as a Base for a New Sustainable Business. Advances in Finance, Accounting, and Economics, 2021, , 254-270.	0.3	0
44	Management of the Prevention of Labor Risks in Construction and Repair Shipyards. , 2019, , 461-472.		0
45	Numerical Model to Analyze an Artificial Reef. , 2020, , 357-364.		0
46	Opening or Not Opening Educational Centers in Time of SARS-CoV-2? Analysis of the Situation in Galicia (Spain). Sustainability, 2022, 14, 5564.	3.2	0