Filippo Cucinotta

List of Publications by Year
in descending order

37 papers	507 citations	623734 14 h-index	677142 22 g-index
38 all docs	38 docs citations	38 times ranked	338 citing authors

#	Article	IF	Citations
1	Life cycle assessment in yacht industry: A case study of comparison between hand lay-up and vacuum infusion. Journal of Cleaner Production, 2017, 142, 3822-3833.	9.3	60
2	An experimental comparison between different artificial air cavity designs for a planing hull. Ocean Engineering, 2017, 140, 233-243.	4.3	46
3	Prosthetic and Mechanical Parameters of the Facial Bone under the Load of Different Dental Implant Shapes: A Parametric Study. Prosthesis, 2019, 1, 41-53.	2.9	43
4	Numerical and experimental investigation of a planing Air Cavity Ship and its air layer evolution. Ocean Engineering, 2018, 152, 130-144.	4.3	35
5	Fatigue assessment of a marine structural steel and comparison with Thermographic Method and Static Thermographic Method. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 734-743.	3.4	34
6	Frequency of Ship Collisions in the Strait of Messina through Regulatory and Environmental Constraints Assessment. Journal of Navigation, 2017, 70, 1002-1022.	1.7	25
7	Topology Optimization Additive Manufacturing-Oriented for a Biomedical Application. Lecture Notes in Mechanical Engineering, 2019, , 184-193.	0.4	21
8	On the morphology of the abrasive wear on ploughshares by means of 3D scanning. Biosystems Engineering, 2019, 179, 117-125.	4.3	21
9	A comparative Life Cycle Assessment of two sister cruise ferries with Diesel and Liquefied Natural Gas machinery systems. Applied Ocean Research, 2021, 112, 102705.	4.1	21
10	A critical CAE analysis of the bottom shape of a multi stepped air cavity planing hull. Applied Ocean Research, 2019, 82, 130-142.	4.1	19
11	Thermographic analysis during tensile tests and fatigue assessment of S355 steel. Procedia Structural Integrity, 2019, 18, 280-286.	0.8	17
12	Fluidâ€"structure interaction of downwind sails: a new computational method. Journal of Marine Science and Technology, 2019, 24, 86-97.	2.9	17
13	Thermodynamic and environmental sustainability analysis of electricity production from an integrated cogeneration system based on residual biomass: A life cycle approach. Applied Energy, 2021, 295, 117054.	10.1	17
14	Assessment of Damage Evolution in Sandwich Composite Material Subjected to Repeated Impacts by Means Optical Measurements. Procedia Structural Integrity, 2016, 2, 3660-3667.	0.8	16
15	A stress-based topology optimization method by a Voronoi tessellation Additive Manufacturing oriented. International Journal of Advanced Manufacturing Technology, 2019, 103, 1965-1975.	3.0	16
16	Numerical prediction of ventilated planing flat plates for the design of Air Cavity Ships. International Journal on Interactive Design and Manufacturing, 2018, 12, 537-548.	2.2	12
17	Anterolateral Thigh Flap in a Chicken Model: A Novel Perforator Training Model. Journal of Reconstructive Microsurgery, 2019, 35, 485-488.	1.8	11
18	Development of Machine Learning Algorithms for the Determination of the Centre of Mass. Symmetry, 2021, 13, 401.	2.2	11

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19	Oscillating Water Column Wave Energy Converter by Means of Straight-bladed Darrieus Turbine. Energy Procedia, 2015, 82, 766-773.	1.8	9
20	Thermal Emission analysis to predict damage in specimens of High Strength Concrete. Frattura Ed Integrita Strutturale, 2021, 15, 258-270.	0.9	9
21	The Effect of Longitudinal Rails on an Air Cavity Stepped Planing Hull. Journal of Marine Science and Engineering, 2021, 9, 470.	2.6	8
22	A Topology Optimization of a Motorsport Safety Device. Lecture Notes in Mechanical Engineering, 2020, , 400-409.	0.4	7
23	Optical measurements and experimental investigations in repeated low-energy impacts in powerboat sandwich composites. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2018, 232, 234-244.	0.5	6
24	A comparative Life Cycle Assessment of utility poles manufactured with different materials and dimensions. Lecture Notes in Mechanical Engineering, 2017, , 91-99.	0.4	5
25	Sail Plan Parametric CAD Model for an A-Class Catamaran Numerical Optimization Procedure Using Open Source Tools. Lecture Notes in Mechanical Engineering, 2017, , 547-554.	0.4	3
26	A CAE method for ergonomic assessment of motorcycles' driver and passenger. International Journal on Interactive Design and Manufacturing, 2019, 13, 699-712.	2.2	3
27	A Well-to-Wheel Comparative Life Cycle Assessment Between Full Electric and Traditional Petrol Engines in the European Context. Lecture Notes in Mechanical Engineering, 2021, , 188-193.	0.4	2
28	A Topology Optimization Method for Stochastic Lattice Structures. Lecture Notes in Mechanical Engineering, 2021, , 235-240.	0.4	2
29	A Hollowing Topology Optimization Method for Additive and Traditional Manufacturing Technologies. Lecture Notes in Mechanical Engineering, 2022, , 422-430.	0.4	2
30	Composite sandwich impact response: experimental and numerical analysis. Frattura Ed Integrita Strutturale, 2019, 13, 367-382.	0.9	1
31	Design and Simulation of the Hull of a Small-Sized Autonomous Surface Vehicle for Seabed Mapping. Lecture Notes in Mechanical Engineering, 2020, , 422-431.	0.4	1
32	Human Face Reconstruction in Biomedical Applications. , 2018, , .		0
33	Human Factors Assessment for Comfort and Safety in the XCAT Powerboats Rules. Lecture Notes in Mechanical Engineering, 2019, , 32-40.	0.4	0
34	A CAE analysis of a novel rigid inflatable boat. International Journal on Interactive Design and Manufacturing, 2020, 14, 7-17.	2.2	0
35	Fatigue damage assessment of welded HDPE details evaluating their energy release. Procedia Structural Integrity, 2021, 33, 724-733.	0.8	0
36	An interactive approach for the design of an Italian fast medical support ship as consequence of world emergency due to Sars2-Covid 19. International Journal on Interactive Design and Manufacturing, 2022, 16, 409-417.	2.2	0

#	ARTICLE	IF	CITATIONS
37	A Deep Learning Model for the Prediction of Complications After EVAR Based on Pre-operative Aneurysm Morphology. EJVES Vascular Forum, 2022, 54, e60.	0.4	0