

Filippo Cucinotta

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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38
all docs

38
docs citations

38
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hollowing Topology Optimization Method for Additive and Traditional Manufacturing Technologies. Lecture Notes in Mechanical Engineering, 2022, , 422-430.	0.4	2
2	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
3	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
4	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
5	A Topology Optimization Method for Stochastic Lattice Structures. Lecture Notes in Mechanical Engineering, 2021, , 235-240.	0.4	2
6	Development of Machine Learning Algorithms for the Determination of the Centre of Mass. Symmetry, 2021, 13, 401.	2.2	11
7	The Effect of Longitudinal Rails on an Air Cavity Stepped Planing Hull. Journal of Marine Science and Engineering, 2021, 9, 470.	2.6	8
8	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
9	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
10	Thermal Emission analysis to predict damage in specimens of High Strength Concrete. Frattura Ed Integrita Strutturale, 2021, 15, 258-270.	0.9	9
11	Fatigue damage assessment of welded HDPE details evaluating their energy release. Procedia Structural Integrity, 2021, 33, 724-733.	0.8	0
12	A CAE analysis of a novel rigid inflatable boat. International Journal on Interactive Design and Manufacturing, 2020, 14, 7-17.	2.2	0
13	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
14	A Topology Optimization of a Motorsport Safety Device. Lecture Notes in Mechanical Engineering, 2020, , 400-409.	0.4	7
15	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
16	Thermographic analysis during tensile tests and fatigue assessment of S355 steel. Procedia Structural Integrity, 2019, 18, 280-286.	0.8	17
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Topology Optimization Additive Manufacturing-Oriented for a Biomedical Application. Lecture Notes in Mechanical Engineering, 2019, , 184-193.	0.4	21
20	Human Factors Assessment for Comfort and Safety in the XCAT Powerboats Rules. Lecture Notes in Mechanical Engineering, 2019, , 32-40.	0.4	0
21	Anterolateral Thigh Flap in a Chicken Model: A Novel Perforator Training Model. Journal of Reconstructive Microsurgery, 2019, 35, 485-488.	1.8	11
22	A CAE method for ergonomic assessment of motorcyclesâ€™ driver and passenger. International Journal on Interactive Design and Manufacturing, 2019, 13, 699-712.	2.2	3
23	On the morphology of the abrasive wear on ploughshares by means of 3D scanning. Biosystems Engineering, 2019, 179, 117-125.	4.3	21
24	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
25	Fluidâ€™structure interaction of downwind sails: a new computational method. Journal of Marine Science and Technology, 2019, 24, 86-97.	2.9	17
26	Composite sandwich impact response: experimental and numerical analysis. Frattura Ed Integrita Strutturale, 2019, 13, 367-382.	0.9	1
27	Numerical and experimental investigation of a planing Air Cavity Ship and its air layer evolution. Ocean Engineering, 2018, 152, 130-144.	4.3	35
28	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
29	Human Face Reconstruction in Biomedical Applications. , 2018, , .		0
30	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
31	An experimental comparison between different artificial air cavity designs for a planing hull. Ocean Engineering, 2017, 140, 233-243.	4.3	46
32	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
33	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
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Oscillating Water Column Wave Energy Converter by Means of Straight-bladed Darrieus Turbine. Energy Procedia, 2015, 82, 766-773.	1.8	9