

Paolo Maggiore

List of Publications by Year in descending order

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581
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687363

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46
all docs

46
docs citations

46
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	MarsGarden: Designing an ecosystem for a sustainable multiplanetary future. Acta Astronautica, 2022, 195, 445-455.	3.2	2
2	An Improved Fault Identification Method for Electromechanical Actuators. Aerospace, 2022, 9, 341.	2.2	6
3	Thermal condition monitoring of large smart bearing through fiber optic sensors. Mechanics of Advanced Materials and Structures, 2021, 28, 1187-1193.	2.6	11
4	Preliminary Analysis on Environmental and Intrinsic Factors on FBG-Based Vibration Sensors. Journal of Physics: Conference Series, 2021, 1977, 012011.	0.4	1
5	A New Method for Friction Estimation in EMA Transmissions. Actuators, 2021, 10, 194.	2.3	5
6	Multifidelity domain-aware learning for the design of re-entry vehicles. Structural and Multidisciplinary Optimization, 2021, 64, 3017-3035.	3.5	5
7	Design and characterization of trabecular structures for an anti-icing sandwich panel produced by additive manufacturing. Journal of Sandwich Structures and Materials, 2020, 22, 1111-1131.	3.5	13
8	Additive Manufacturing Evaluation Tool for Design Studies. IEEE Systems Journal, 2020, 14, 4382-4393.	4.6	3
9	Innovative Actuator Fault Identification Based on Back Electromotive Force Reconstruction. Actuators, 2020, 9, 50.	2.3	10
10	Design and Development of a Planetary Gearbox for Electromechanical Actuator Test Bench through Additive Manufacturing. Actuators, 2020, 9, 35.	2.3	8
11	Model-Based Fault Detection and Identification for Prognostics of Electromechanical Actuators Using Genetic Algorithms. Aerospace, 2019, 6, 94.	2.2	23
12	A Lumped Parameter High Fidelity EMA Model for Model-Based Prognostics. , 2019, , .		6
13	3D FDM production and mechanical behavior of polymeric sandwich specimens embedding classical and honeycomb cores. Curved and Layered Structures, 2018, 5, 80-94.	1.3	37
14	Development of a multifunctional panel for aerospace use through SLM additive manufacturing. Procedia CIRP, 2018, 67, 215-220.	1.9	78
15	Lattice structured impact absorber with embedded anti-icing system for aircraft wings fabricated with additive SLM process. Materials Today Communications, 2018, 15, 185-189.	1.9	31
16	Analysis of a Moon outpost for Mars enabling technologies through a Virtual Reality environment. Acta Astronautica, 2018, 143, 353-361.	3.2	13
17	Prognostics of Onboard Electromechanical Actuators: a New Approach Based on Spectral Analysis Techniques. International Review of Aerospace Engineering, 2018, 11, 96.	0.3	6
18	Failure rate evaluation method for HW architecture derived from functional safety standards (ISO) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	8,9	6

#	ARTICLE	IF	CITATIONS
19	A Comparison between 3D Printing and Milling Process for a Spar Cap Fitting (Wing-fuselage) of UAV Aircraft. <i>Procedia CIRP</i> , 2017, 62, 487-493.	1.9	8
20	Compression Tests of ABS Specimens for UAV Components Produced via the FDM Technique. <i>Technologies</i> , 2017, 5, 20.	5.1	28
21	Special Issue on "Additive Manufacturing Technologies and Applications". <i>Technologies</i> , 2017, 5, 58.	5.1	6
22	Risk Analysis of the Future Implementation of a Safety Management System for Multiple RPAS Based on First Demonstration Flights. <i>Electronics (Switzerland)</i> , 2017, 6, 50.	3.1	6
23	A Robust Multifunctional Sandwich Panel Design with Trabecular Structures by the Use of Additive Manufacturing Technology for a New De-Icing System. <i>Technologies</i> , 2017, 5, 35.	5.1	25
24	Characterization of ABS specimens produced via the 3D printing technology for drone structural components. <i>Curved and Layered Structures</i> , 2016, 3, .	1.3	9
25	Additive Manufacturing Offers New Opportunities in UAV Research. <i>Procedia CIRP</i> , 2016, 41, 1004-1010.	1.9	41
26	Multiobjective Optimization of Thermal Control Strategies for Multifunctional Structures. <i>Journal of Aerospace Engineering</i> , 2014, 27, 04014003.	1.4	4
27	A methodology for innovative technologies roadmaps assessment to support strategic decisions for future space exploration. <i>Acta Astronautica</i> , 2014, 94, 813-833.	3.2	25
28	Analysis of environmental benefits resulting from use of hydrogen technology in handling operations at airports. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 875-890.	4.1	12
29	Conjugate Heat Transfer Analysis of Integrated Brushless Generators for More Electric Engines. <i>IEEE Transactions on Industry Applications</i> , 2014, 50, 2467-2475.	4.9	44
30	Fluid dynamic analysis of pollutantsâ€™ dispersion behind an aircraft engine during idling. <i>Air Quality, Atmosphere and Health</i> , 2013, 6, 367-383.	3.3	4
31	A methodology to support strategic decisions in future human space exploration: From scenario definition to building blocks assessment. <i>Acta Astronautica</i> , 2013, 91, 198-217.	3.2	19
32	Conjugate heat transfer analysis of integrated brushless generators for more electric engines. , 2013, , .		5
33	Optimized design of a multiphase induction machine for an open rotor aero-engine shaft-line-embedded starter/generator. , 2013, , .		18
34	Comparative Analysis of a Hydraulic Servo-Valve. <i>International Journal of Fluid Power</i> , 2013, 14, 53-62.	0.7	14
35	Multi-objective Optimization of a Multifunctional Structure through a MOGA and SOM based Methodology. , 2013, , .		1
36	Impact of an Optimized Power Turbine Disks Cavity on Geared Open Rotor Performance: A Multidisciplinary Approach in the Preliminary Design. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	Multidisciplinary Integrated Framework for the Optimal Design of a Jet Aircraft Wing. International Journal of Aerospace Engineering, 2012, 2012, 1-9.	0.9	10
38	A Multi-Objective Design Optimization Approach for the Preliminary Design of High Speed Low Pressure Turbine Disks for Green Engine Architectures. , 2012, , .		0
39	Pem Fuel Cell Performance Under Particular Operating Conditions Causing the Production of Liquid Water: A Morphing on Bipolar Plate's Channels Approach. , 2011, , .		0
40	CAD based shape optimization for gas turbine component design. Structural and Multidisciplinary Optimization, 2010, 41, 647-659.	3.5	27
41	Multidisciplinary Integrated design Environment for Aircraft Wing Sizing. , 2010, , .		1
42	Fuel Cell Size and Weight Reduction Due to Innovative Metallic Bipolar Plates: Technical Process Details and Improvements. , 2009, , .		4
43	Risk analysis: sample application to a totally new aircraft design. Aircraft Design, 1998, 1, 1-11.	0.4	2
44	PEM Fuel Cell Performance under Pre-Compression of Electrode: A Multidisciplinary, Integrated and Advanced Calculus Approach. , 0, , .		0
45	A PEM Fuel Cell Distributed Parameters Model Aiming at Studying the Production of Liquid Water Within the Cell During its Normal Operation: Model Description, Implementation and Validation. , 0, , .		1
46	A PEM Fuel Cell Laminar and Turbulent Models Comparison, Aiming at Identifying Small-Scale Plate Channel Phenomena: A Mesh Independent Configuration. , 0, , .		0