

Marco Eugeni

List of Publications by Year in descending order

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41
papers

855
citations

687220

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42
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration of FG Porous Three-Layered Beams Equipped by Agglomerated Nanocomposite Patches Resting on Vlasov's Foundation. <i>Transport in Porous Media</i> , 2022, 142, 157-186.	1.2	7
2	An industry 4.0 approach to large scale production of satellite constellations. The case study of composite sandwich panel manufacturing. <i>Acta Astronautica</i> , 2022, 192, 276-290.	1.7	8
3	Energy harvesting. , 2022, , 41-59.		0
4	Experimental aeroelastic energy harvesting. , 2022, , 223-246.		2
5	Piezoelectric material. , 2022, , 3-19.		1
6	Vortex-induced vibrations based aeroelastic energy harvesting. , 2022, , 181-199.		0
7	Smart structures. , 2022, , 21-38.		0
8	Fluid-structure interaction: some issues about the aeroelastic problem. , 2022, , 125-142.		0
9	Galloping-based aeroelastic energy harvesting. , 2022, , 201-221.		0
10	Piezoelectric energy harvesters. , 2022, , 61-78.		1
11	Flutter-based aeroelastic energy harvesting. , 2022, , 143-155.		0
12	Limit cycle oscillations. , 2022, , 157-179.		0
13	Modeling and simulation of a piezoelectric energy harvester. , 2022, , 99-121.		0
14	Energy harvesting and circuits. , 2022, , 79-97.		0
15	Multimodal piezoelectric wind energy harvester for aerospace applications. <i>International Journal of Energy Research</i> , 2022, 46, 13698-13710.	2.2	13
16	Numerical Assessment and Parametric Optimization of a Piezoelectric Wind Energy Harvester for IoT-Based Applications. <i>Energies</i> , 2021, 14, 2498.	1.6	9
17	Study of the Surface and Dimensional Quality of the AlSi10Mg Thin-Wall Components Manufactured by Selective Laser Melting. <i>Journal of Composites Science</i> , 2021, 5, 126.	1.4	2
18	Structural damping models for passive aeroelastic control. <i>Aerospace Science and Technology</i> , 2021, 118, 107011.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Numerical and experimental investigation of piezoelectric energy harvester based on flag-flutter. <i>Aerospace Science and Technology</i> , 2020, 97, 105634.	2.5	73
20	A Review on Applications of Piezoelectric Materials in Aerospace Industry. <i>Integrated Ferroelectrics</i> , 2020, 211, 25-44.	0.3	52
21	Performance Evaluation of a Piezoelectric Energy Harvester Based on Flag-Flutter. <i>Micromachines</i> , 2020, 11, 933.	1.4	41
22	Modeling and Design of a Piezoelectric Nonlinear Aeroelastic Energy Harvester. <i>Integrated Ferroelectrics</i> , 2020, 211, 132-151.	0.3	17
23	Characterization and Implementation of a Piezoelectric Energy Harvester Configuration: Analytical, Numerical and Experimental Approach. <i>Integrated Ferroelectrics</i> , 2020, 212, 39-60.	0.3	23
24	Reliability Risk Analysis for the Aeroelastic Piezoelectric Energy Harvesters. <i>Integrated Ferroelectrics</i> , 2020, 212, 156-169.	0.3	10
25	Energy Harvesting towards Self-Powered IoT Devices. <i>Energies</i> , 2020, 13, 5528.	1.6	139
26	Experimental Evaluation of Piezoelectric Energy Harvester Based on Flag-Flutter. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 807-816.	0.3	2
27	Piezoelectric thermo electromechanical energy harvester for reconnaissance satellite structure. <i>Microsystem Technologies</i> , 2019, 25, 665-672.	1.2	30
28	Basic Technology for Smart Multifunctional Components with Embedded Electronics using Fused Filament Fabrication. <i>Aerotecnica Missili & Spazio</i> , 2019, 98, 159-172.	0.5	2
29	Experimental and Numerical Investigation of PZT Response in Composite Structures with Variable Degradation Levels. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 3239-3246.	1.2	28
30	Investigation of Deformation in Bimorph Piezoelectric Actuator: Analytical, Numerical and Experimental Approach. <i>Integrated Ferroelectrics</i> , 2019, 201, 94-109.	0.3	42
31	Design and performance evaluation of a piezoelectric aeroelastic energy harvester based on the limit cycle oscillation phenomenon. <i>Acta Astronautica</i> , 2019, 157, 233-240.	1.7	42
32	Revisiting the configuration of small satellites structures in the framework of 3D Additive Manufacturing. <i>Acta Astronautica</i> , 2018, 146, 249-258.	1.7	21
33	Response of piezoelectric materials on thermomechanical shocking and electrical shocking for aerospace applications. <i>Microsystem Technologies</i> , 2018, 24, 3791-3798.	1.2	51
34	A Normal Form analysis in a finite neighborhood of a Hopf bifurcation: on the Center Manifold dimension. <i>Nonlinear Dynamics</i> , 2018, 91, 1461-1472.	2.7	4
35	Electromechanical Degradation of Piezoelectric Patches. <i>Advanced Structured Materials</i> , 2018, , 35-44.	0.3	12
36	A Preliminary Design of a Mission to Triton: A Concurrent Engineering Approach. <i>Advances in Astronautics Science and Technology</i> , 2018, 1, 103-110.	0.5	0

#	ARTICLE	IF	CITATIONS
37	A Review on Mechanisms for Piezoelectric-Based Energy Harvesters. <i>Energies</i> , 2018, 11, 1850.	1.6	177
38	OMA analysis of a launcher under operational conditions with time-varying properties. <i>CEAS Space Journal</i> , 2018, 10, 381-406.	1.1	7
39	Normal form analysis of a forced aeroelastic plate. <i>Journal of Sound and Vibration</i> , 2017, 390, 141-163.	2.1	10
40	Post-buckling longterm dynamics of a forced nonlinear beam: A perturbation approach. <i>Journal of Sound and Vibration</i> , 2014, 333, 2617-2631.	2.1	7
41	POD analysis for free response of linear and nonlinear marginally stable aeroelastic dynamical systems. <i>Journal of Fluids and Structures</i> , 2012, 33, 85-108.	1.5	13