Marco Eugeni

List of Publications by Year
in descending order

41 papers	855 citations	687220 13 h-index	501076 28 g-index
42 all docs	42 docs citations	42 times ranked	606 citing authors

#	Article	IF	Citations
1	A Review on Mechanisms for Piezoelectric-Based Energy Harvesters. Energies, 2018, 11, 1850.	1.6	177
2	Energy Harvesting towards Self-Powered IoT Devices. Energies, 2020, 13, 5528.	1.6	139
3	Numerical and experimental investigation of piezoelectric energy harvester based on flag-flutter. Aerospace Science and Technology, 2020, 97, 105634.	2.5	73
4	A Review on Applications of Piezoelectric Materials in Aerospace Industry. Integrated Ferroelectrics, 2020, 211, 25-44.	0.3	52
5	Response of piezoelectric materials on thermomechanical shocking and electrical shocking for aerospace applications. Microsystem Technologies, 2018, 24, 3791-3798.	1.2	51
6	Investigation of Deformation in Bimorph Piezoelectric Actuator: Analytical, Numerical and Experimental Approach. Integrated Ferroelectrics, 2019, 201, 94-109.	0.3	42
7	Design and performance evaluation of a piezoelectric aeroelastic energy harvester based on the limit cycle oscillation phenomenon. Acta Astronautica, 2019, 157, 233-240.	1.7	42
8	Performance Evaluation of a Piezoelectric Energy Harvester Based on Flag-Flutter. Micromachines, 2020, 11, 933.	1.4	41
9	Piezoelectric thermo electromechanical energy harvester for reconnaissance satellite structure. Microsystem Technologies, 2019, 25, 665-672.	1.2	30
10	Experimental and Numerical Investigation of PZT Response in Composite Structures with Variable Degradation Levels. Journal of Materials Engineering and Performance, 2019, 28, 3239-3246.	1.2	28
11	Characterization and Implementation of a Piezoelectric Energy Harvester Configuration: Analytical, Numerical and Experimental Approach. Integrated Ferroelectrics, 2020, 212, 39-60.	0.3	23
12	Revisiting the configuration of small satellites structures in the framework of 3D Additive Manufacturing. Acta Astronautica, 2018, 146, 249-258.	1.7	21
13	Modeling and Design of a Piezoelectric Nonlinear Aeroelastic Energy Harvester. Integrated Ferroelectrics, 2020, 211, 132-151.	0.3	17
14	POD analysis for free response of linear and nonlinear marginally stable aeroelastic dynamical systems. Journal of Fluids and Structures, 2012, 33, 85-108.	1.5	13
15	Multimodal piezoelectric wind energy harvester for aerospace applications. International Journal of Energy Research, 2022, 46, 13698-13710.	2.2	13
16	Electromechanical Degradation of Piezoelectric Patches. Advanced Structured Materials, 2018, , 35-44.	0.3	12
17	Normal form analysis of a forced aeroelastic plate. Journal of Sound and Vibration, 2017, 390, 141-163.	2.1	10
18	Reliability Risk Analysis for the Aeroelastic Piezoelectric Energy Harvesters. Integrated Ferroelectrics, 2020, 212, 156-169.	0.3	10

#	Article	IF	Citations
19	Numerical Assessment and Parametric Optimization of a Piezoelectric Wind Energy Harvester for IoT-Based Applications. Energies, 2021, 14, 2498.	1.6	9
20	Structural damping models for passive aeroelastic control. Aerospace Science and Technology, 2021, 118, 107011.	2.5	9
21	An industry 4.0 approach to large scale production of satellite constellations. The case study of composite sandwich panel manufacturing. Acta Astronautica, 2022, 192, 276-290.	1.7	8
22	Post-buckling longterm dynamics of a forced nonlinear beam: A perturbation approach. Journal of Sound and Vibration, 2014, 333, 2617-2631.	2.1	7
23	OMA analysis of a launcher under operational conditions with time-varying properties. CEAS Space Journal, 2018, 10, 381-406.	1.1	7
24	Vibration of FG Porous Three-Layered Beams Equipped by Agglomerated Nanocomposite Patches Resting on Vlasov's Foundation. Transport in Porous Media, 2022, 142, 157-186.	1.2	7
25	A Normal Form analysis in a finite neighborhood of a Hopf bifurcation: on the Center Manifold dimension. Nonlinear Dynamics, 2018, 91, 1461-1472.	2.7	4
26	Basic Technology for Smart Multifunctional Components with Embedded Electronics using Fused Filament Fabrication. Aerotecnica Missili & Spazio, 2019, 98, 159-172.	0.5	2
27	Experimental Evaluation of Piezoelectric Energy Harvester Based on Flag-Flutter. Lecture Notes in Mechanical Engineering, 2020, , 807-816.	0.3	2
28	Study of the Surface and Dimensional Quality of the AlSi10Mg Thin-Wall Components Manufactured by Selective Laser Melting. Journal of Composites Science, 2021, 5, 126.	1.4	2
29	Experimental aeroelastic energy harvesting. , 2022, , 223-246.		2
30	Piezoelectric material. , 2022, , 3-19.		1
31	Piezoelectric energy harvesters. , 2022, , 61-78.		1
32	A Preliminary Design of a Mission to Triton: A Concurrent Engineering Approach. Advances in Astronautics Science and Technology, 2018, 1, 103-110.	0.5	0
33	Energy harvesting. , 2022, , 41-59.		0
34	Vortex-induced vibrations based aeroelastic energy harvesting. , 2022, , 181-199.		0
35	Smart structures. , 2022, , 21-38.		0
36	Fluidâ€“structure interaction: some issues about the aeroelastic problem. , 2022, , 125-142.		0

#	Article	IF	Citations
37	Galloping-based aeroelastic energy harvesting. , 2022, , 201-221.		0
38	Flutter-based aeroelastic energy harvesting. , 2022, , 143-155.		0
39	Limit cycle oscillations. , 2022, , 157-179.		0
40	Modeling and simulation of a piezoelectric energy harvester. , 2022, , 99-121.		0
41	Energy harvesting and circuits. , 2022, , 79-97.		0