Francesco Potenza

List of Publications by Year
in descending order

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39	655	566801 15	580395 25
papers	citations	h-index	g-index

40	40	40	643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Health Monitoring Systems Operating in a 5G-Based Network. Lecture Notes in Civil Engineering, 2023, , 89-97.	0.3	6
2	Design and evaluation of 5G-based architecture supporting data-driven digital twins updating and matching in seismic monitoring. Bulletin of Earthquake Engineering, 2022, 20, 4345-4365.	2.3	9
3	Multiple Tests for Dynamic Identification of a Reinforced Concrete Multi-Span Arch Bridge. Buildings, 2022, 12, 833.	1.4	3
4	Dataâ€driven optimal predictive control of seismic induced vibrations in frame structures. Structural Control and Health Monitoring, 2020, 27, e2514.	1.9	21
5	A robotics and computer-aided procedure for defect evaluation in bridge inspection. Journal of Civil Structural Health Monitoring, 2020, 10, 471-484.	2.0	38
6	A Damage Identification Procedure for Steel Truss. Lecture Notes in Mechanical Engineering, 2020, , 1307-1315.	0.3	0
7	Seismic Response Prediction of Multiple Base-Isolated Structures for Monitoring. , 2020, , 33-41.		0
8	Measured properties of structural damping in railway bridges. Journal of Civil Structural Health Monitoring, 2019, 9, 639-653.	2.0	14
9	Dissipative coupling for the seismic enhancement of adjacent structures. Engineering Structures, 2019, 199, 109520.	2.6	10
10	Slackening Effects in 2D Exact Positioning in Cable-Driven Parallel Manipulators. Mechanisms and Machine Science, 2019, , 319-330.	0.3	4
11	Modal interactions in the nonlinear dynamics of a beamâ€“cableâ€“beam. Nonlinear Dynamics, 2019, 96, 2547-2566.	2.7	20
12	OPTIMAL DISSIPATIVE COUPLING DESIGN OF TWO OSCILLATORS BASED ON NONLINEAR STOCHASTIC RESPONSE. , 2019, , .		0
13	Prediction of the fundamental frequencies and modal shapes of historic masonry towers by empirical equations based on experimental data. Engineering Structures, 2018, 156, 433-442.	2.6	38
14	Monitoring and Maintenance of Customized Structures for Underground Environments: The Case of Gran Sasso National Laboratory. Intelligent Systems, Control and Automation: Science and Engineering, 2018, , 357-373.	0.3	0
15	Elasto-Static Model for Point Mass Sagged Cable-Suspended Robots. Springer Proceedings in Advanced Robotics, 2018, , 351-359.	0.9	1
16	Design criteria for dissipative devices in coupled oscillators under seismic excitation. Structural Control and Health Monitoring, 2018, 25, e2167.	1.9	13
17	Effective seismic strengthening and monitoring of a masonry vault by using Glass Fiber Reinforced Cementitious Matrix with embedded Fiber Bragg Grating sensors. Composites Part B: Engineering, 2017, 113, 355-370.	5.9	41
18	Nonlinear dynamics of a parametric analytical model for beam-cable-beam structures. Procedia Engineering, 2017, 199, 796-801.	1.2	2

#	Article	IF	Citations
19	Integrated Process of Images and Acceleration Measurements for Damage Detection. Procedia Engineering, 2017, 199, 1894-1899.	1.2	5
20	Dynamics of masonry walls connected by a vibrating cable in a historic structure. Meccanica, 2016, 51, 2813-2826.	1.2	11
21	Structural control design and defective systems. Continuum Mechanics and Thermodynamics, 2016, 28, 733-749.	1.4	3
22	Dynamic testing and health monitoring of historic and modern civil structures in Italy. Structural Monitoring and Maintenance, 2016, 3, 71-90.	1.7	30
23	Ecosmart Reinforcement for a Masonry Polycentric Pavilion Vault. Open Construction and Building Technology Journal, 2016, 10, 259-273.	0.3	3
24	Seismic Performance of a Mixed Masonry-Reinforced Concrete Building. , 2016, , 902-920.		0
25	Long-term structural monitoring of the damaged Basilica S. Maria di Collemaggio through a low-cost wireless sensor network. Journal of Civil Structural Health Monitoring, 2015, 5, 655-676.	2.0	57
26	Seismic Performance of a Mixed Masonry-Reinforced Concrete Building. Advances in Civil and Industrial Engineering Book Series, 2015, , 293-312.	0.2	1
27	Seismic Behavior of Ancient Monuments: From Collapse Observation to Permanent Monitoring. , 2015, , 2706-2729.		0
28	Design of Wireless Sensor Nodes for Structural Health Monitoring Applications. Procedia Engineering, 2014, 87, 1298-1301.	1.2	21
29	Distributed Structural Monitoring for a Smart City in a Seismic Area. Key Engineering Materials, 2014, 628, 123-135.	0.4	11
30	Outputâ€Only Identification and Model Updating by Dynamic Testing in Unfavorable Conditions of a Seismically Damaged Building. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 659-675.	6.3	78
31	Seismic Behavior of Ancient Monuments: From Collapse Observation to Permanent Monitoring. , 2014, , 1-24.		0
32	Damping performance of two simple oscillators coupled by a visco-elastic connection. Journal of Sound and Vibration, 2013, 332, 6934-6948.	2.1	32
33	Serviceability and Damage Scenario in Irregular RC Structures: Post-Earthquake Observations and Modeling Predictions. Journal of Performance of Constructed Facilities, 2013, 27, 98-115.	1.0	22
34	An Integrated Approach to the Design of Wireless Sensor Networks for Structural Health Monitoring. International Journal of Distributed Sensor Networks, 2012, 8, 594842.	1.3	24
35	Design of Damper Viscous Properties for Semi-active Control of Asymmetric Structures. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2011, , 241-250.	0.1	1
36	Structural performance of the historic and modern buildings of the University of Lâ€™Aquila during the seismic events of April 2009. Engineering Structures, 2010, 32, 1899-1924.	2.6	72

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37	Seismic protection of frame structures via semi-active control: modeling and implementation issues. Earthquake Engineering and Engineering Vibration, 2009, 8, 627-645.	1.1	27
38	Analytical prediction and experimental validation for longitudinal control of cable oscillations. International Journal of Non-Linear Mechanics, 2008, 43, 36-52.	1.4	33
39	Semiactive Control Using MR Dampers of a Frame Structure under Seismic Excitation. AIP Conference Proceedings, 2008, , .	0.3	1