

Stefania Sica

List of Publications by Year in descending order

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papers

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430874

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892
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of the seismic response and soil-structure interaction for a monitored masonry school building damaged by the 2016 Central Italy earthquake. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 1181-1211.	4.1	68
2	Seismic response of large earth dams in near-source areas. <i>Computers and Geotechnics</i> , 2021, 132, 103807.	4.7	10
3	Seismic response of caisson-supported bridge piers on viscoelastic soil. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106341.	3.8	3
4	On the Role of Weak-Motion Earthquakes Recorded on Earth Dams. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 345-356.	0.1	0
5	Application of DInSAR Technique to High Coherence Satellite Images for Strategic Infrastructure Monitoring. , 2020, , .		3
6	Rapid drawdown on earth dam stability after a strong earthquake. <i>Computers and Geotechnics</i> , 2019, 116, 103187.	4.7	15
7	Application of DInSAR Technique to High Coherence Sentinel-1 Images for Dam Monitoring and Result Validation Through <i>In Situ</i> Measurements. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 875-890.	4.9	45
8	Landslide Geohazard Assessment with Convolutional Neural Networks Using Sentinel-2 Imagery Data. , 2019, , .		18
9	Reconnaissance of geotechnical aspects of the 2016 Central Italy earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 5495-5532.	4.1	19
10	ON THE SOIL-STRUCTURE INTERACTION IN THE SEISMIC RESPONSE OF A MONITORED MASONRY SCHOOL BUILDING STRUCK BY THE 2016-2017 CENTRAL ITALY EARTHQUAKE. , 2019, , .		3
11	Experimental and numerical dynamic identification of a historic masonry bell tower accounting for different types of interaction. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 109, 235-250.	3.8	35
12	Nonlinear soil and pile behaviour on kinematic bending response of flexible piles. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 107, 195-213.	3.8	25
13	Non-linear analysis of the Carmine bell tower under seismic actions accounting for soil-structure interaction. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 2775-2808.	4.1	22
14	Reconnaissance of 2016 Central Italy Earthquake Sequence. <i>Earthquake Spectra</i> , 2018, 34, 1547-1555.	3.1	36
15	Local Site Effects and Incremental Damage of Buildings during the 2016 Central Italy Earthquake Sequence. <i>Earthquake Spectra</i> , 2018, 34, 1639-1669.	3.1	78
16	Influence of SSI on the Stiffness of Bridge Systems Founded on Caissons. <i>Journal of Bridge Engineering</i> , 2017, 22, .	2.9	7
17	Near-source effects on the ground motion occurred at the Conza Dam site (Italy) during the 1980 Irpinia earthquake. <i>Bulletin of Earthquake Engineering</i> , 2017, 15, 4009-4037.	4.1	12
18	Earth Dams in Near-fault Areas: From the Regional to the Site Model. <i>Procedia Engineering</i> , 2016, 158, 493-498.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Estimation of the ground shaking from the response of rigid bodies. <i>Annals of Geophysics</i> , 2016, 59, .	1.0	5
20	Characterisation of shear wave velocity profiles of non-uniform bi-layer soil deposits: Analytical evaluation and experimental validation. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 75, 44-54.	3.8	13
21	SSI on the Dynamic Behaviour of a Historical Masonry Building: Experimental versus Numerical Results. <i>Buildings</i> , 2014, 4, 978-1000.	3.1	3
22	Experimental Assessment of Seismic Pile-Soil Interaction. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014, , 455-475.	0.2	3
23	Ground motion amplification due to shallow cavities in nonlinear soils. <i>Natural Hazards</i> , 2014, 71, 1913-1935.	3.4	29
24	Comparison between Differential SAR interferometry and ground measurements data in the displacement monitoring of the earth-dam of Conza della Campania (Italy). <i>Remote Sensing of Environment</i> , 2014, 148, 58-69.	11.0	78
25	Evaluation of the natural vibration frequencies of a historical masonry building accounting for SSI. <i>Soil Dynamics and Earthquake Engineering</i> , 2014, 64, 95-101.	3.8	32
26	Earthquake early warning for earth dams: concepts and objectives. <i>Natural Hazards</i> , 2013, 66, 303-318.	3.4	12
27	Strain effects on kinematic pile bending in layered soil. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 49, 231-242.	3.8	26
28	Assessment of Seismic Vulnerability of a Historical Masonry Building. <i>Buildings</i> , 2012, 2, 332-358.	3.1	40
29	Site response studies and seismic microzoning in the Middle Aterno valley (L'Aquila, Central Italy). <i>Bulletin of Earthquake Engineering</i> , 2011, 9, 1417-1442.	4.1	48
30	Transient kinematic pile bending in two-layer soil. <i>Soil Dynamics and Earthquake Engineering</i> , 2011, 31, 891-905.	3.8	64
31	Effect of ground-motion asynchronism on the equivalent acceleration of earth dams. <i>Soil Dynamics and Earthquake Engineering</i> , 2010, 30, 561-579.	3.8	11
32	Pore Water Pressure Measurements in the Interpretation of the Hydraulic Behaviour of Two Earth Dams. <i>Soils and Foundations</i> , 2010, 50, 295-307.	3.1	13
33	Performance-Based Analysis of Earth Dams: Procedures and Application to a Sample Case. <i>Soils and Foundations</i> , 2009, 49, 921-939.	3.1	23
34	A Study to Evaluate the Seismic Response of Road Embankments. <i>Soils and Foundations</i> , 2009, 49, 909-920.	3.1	3
35	Influence of past loading history on the seismic response of earth dams. <i>Computers and Geotechnics</i> , 2008, 35, 61-85.	4.7	54
36	Representativeness of measurements in the interpretation of earth dam behaviour. <i>Canadian Geotechnical Journal</i> , 2006, 43, 87-99.	2.8	18

#	ARTICLE	IF	CITATIONS
37	Soil-Structure Interaction on the Dynamic Response of Bridge Piers. Applied Mechanics and Materials, 0, 847, 173-180.	0.2	0