

Stefania Sica

List of Publications by Year in descending order

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892
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between Differential SAR interferometry and ground measurements data in the displacement monitoring of the earth-dam of Conza della Campania (Italy). Remote Sensing of Environment, 2014, 148, 58-69.	11.0	78
2	Local Site Effects and Incremental Damage of Buildings during the 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1639-1669.	3.1	78
3	Numerical simulation of the seismic response and soil-structure interaction for a monitored masonry school building damaged by the 2016 Central Italy earthquake. Bulletin of Earthquake Engineering, 2021, 19, 1181-1211.	4.1	68
4	Transient kinematic pile bending in two-layer soil. Soil Dynamics and Earthquake Engineering, 2011, 31, 891-905.	3.8	64
5	Influence of past loading history on the seismic response of earth dams. Computers and Geotechnics, 2008, 35, 61-85.	4.7	54
6	Site response studies and seismic microzoning in the Middle Aterno valley (L'Aquila, Central Italy). Bulletin of Earthquake Engineering, 2011, 9, 1417-1442.	4.1	48
7	Application of DInSAR Technique to High Coherence Sentinel-1 Images for Dam Monitoring and Result Validation Through <i>In Situ</i> Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 875-890.	4.9	45
8	Assessment of Seismic Vulnerability of a Historical Masonry Building. Buildings, 2012, 2, 332-358.	3.1	40
9	Reconnaissance of 2016 Central Italy Earthquake Sequence. Earthquake Spectra, 2018, 34, 1547-1555.	3.1	36
10	Experimental and numerical dynamic identification of a historic masonry bell tower accounting for different types of interaction. Soil Dynamics and Earthquake Engineering, 2018, 109, 235-250.	3.8	35
11	Evaluation of the natural vibration frequencies of a historical masonry building accounting for SSI. Soil Dynamics and Earthquake Engineering, 2014, 64, 95-101.	3.8	32
12	Ground motion amplification due to shallow cavities in nonlinear soils. Natural Hazards, 2014, 71, 1913-1935.	3.4	29
13	Strain effects on kinematic pile bending in layered soil. Soil Dynamics and Earthquake Engineering, 2013, 49, 231-242.	3.8	26
14	Nonlinear soil and pile behaviour on kinematic bending response of flexible piles. Soil Dynamics and Earthquake Engineering, 2018, 107, 195-213.	3.8	25
15	Performance-Based Analysis of Earth Dams: Procedures and Application to a Sample Case. Soils and Foundations, 2009, 49, 921-939.	3.1	23
16	Non-linear analysis of the Carmine bell tower under seismic actions accounting for soil-foundation-structure interaction. Bulletin of Earthquake Engineering, 2018, 16, 2775-2808.	4.1	22
17	Reconnaissance of geotechnical aspects of the 2016 Central Italy earthquakes. Bulletin of Earthquake Engineering, 2019, 17, 5495-5532.	4.1	19
18	Representativeness of measurements in the interpretation of earth dam behaviour. Canadian Geotechnical Journal, 2006, 43, 87-99.	2.8	18

#	ARTICLE	IF	CITATIONS
19	Landslide Geohazard Assessment with Convolutional Neural Networks Using Sentinel-2 Imagery Data. , 2019, , .		18
20	Rapid drawdown on earth dam stability after a strong earthquake. Computers and Geotechnics, 2019, 116, 103187.	4.7	15
21	Pore Water Pressure Measurements in the Interpretation of the Hydraulic Behaviour of Two Earth Dams. Soils and Foundations, 2010, 50, 295-307.	3.1	13
22	Characterisation of shear wave velocity profiles of non-uniform bi-layer soil deposits: Analytical evaluation and experimental validation. Soil Dynamics and Earthquake Engineering, 2015, 75, 44-54.	3.8	13
23	Earthquake early warning for earth dams: concepts and objectives. Natural Hazards, 2013, 66, 303-318.	3.4	12
24	Near-source effects on the ground motion occurred at the Conza Dam site (Italy) during the 1980 Irpinia earthquake. Bulletin of Earthquake Engineering, 2017, 15, 4009-4037.	4.1	12
25	Effect of ground-motion asynchronism on the equivalent acceleration of earth dams. Soil Dynamics and Earthquake Engineering, 2010, 30, 561-579.	3.8	11
26	Seismic response of large earth dams in near-source areas. Computers and Geotechnics, 2021, 132, 103807.	4.7	10
27	Influence of SSI on the Stiffness of Bridge Systems Founded on Caissons. Journal of Bridge Engineering, 2017, 22, .	2.9	7
28	Estimation of the ground shaking from the response of rigid bodies. Annals of Geophysics, 2016, 59, .	1.0	5
29	A Study to Evaluate the Seismic Response of Road Embankments. Soils and Foundations, 2009, 49, 909-920.	3.1	3
30	SSI on the Dynamic Behaviour of a Historical Masonry Building: Experimental versus Numerical Results. Buildings, 2014, 4, 978-1000.	3.1	3
31	Experimental Assessment of Seismic Pile-Soil Interaction. Geotechnical, Geological and Earthquake Engineering, 2014, , 455-475.	0.2	3
32	Seismic response of caisson-supported bridge piers on viscoelastic soil. Soil Dynamics and Earthquake Engineering, 2020, 139, 106341.	3.8	3
33	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
34	Application of Dinsar Technique to High Coherence Satellite Images for Strategic Infrastructure Monitoring. , 2020, , .		3
35	Earth Dams in Near-fault Areas: From the Regional to the Site Model. Procedia Engineering, 2016, 158, 493-498.	1.2	0
36	Soil-Structure Interaction on the Dynamic Response of Bridge Piers. Applied Mechanics and Materials, 0, 847, 173-180.	0.2	0

#	ARTICLE	IF	CITATIONS
37	On the Role of Weak-Motion Earthquakes Recorded on Earth Dams. Springer Series in Geomechanics and Geoengineering, 2020, , 345-356.	0.1	0