Silvia Castellaro

List of Publications by Year
in descending order

36 papers	**999** citations	623734 **14** h-index	434195 **31** g-index
36 all docs	**36** docs citations	**36** times ranked	**967** citing authors

#	Article	IF	Citations
1	Vs30: Proxy for Seismic Amplification?. Seismological Research Letters, 2008, 79, 540-543.	1.9	180
2	Regression problems for magnitudes. Geophysical Journal International, 2006, 165, 913-930.	2.4	164
3	VS30 Estimates Using Constrained H/V Measurements. Bulletin of the Seismological Society of America, 2009, 99, 761-773.	2.3	134
4	The Effect of Velocity Inversions on H/V. Pure and Applied Geophysics, 2009, 166, 567-592.	1.9	111
5	The complementarity of H/V and dispersion curves. Geophysics, 2016, 81, T323-T338.	2.6	65
6	How Far from a Building Does the Ground-Motion Free-Field Start? The Cases of Three Famous Towers and a Modern Building. Bulletin of the Seismological Society of America, 2010, 100, 2080-2094.	2.3	28
7	Georadar and passive seismic survey in the Roman Amphitheatre of Catania (Sicily). Journal of Cultural Heritage, 2008, 9, 357-366.	3.3	26
8	Dynamics of an Active Earthflow Inferred From Surface Wave Monitoring. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1811-1834.	2.8	26
9	Comparative Analysis of Regression Methods Used for Seismic Magnitude Conversions. Bulletin of the Seismological Society of America, 2015, 105, 1787-1791.	2.3	20
10	Passive Imaging in Nondiffuse Acoustic Wavefields. Physical Review Letters, 2008, 100, 218501.	7.8	19
11	Simplified seismic soil classification: the Vfz matrix. Bulletin of Earthquake Engineering, 2014, 12, 735-754.	4.1	19
12	The different response of apparently identical structures: a far-field lesson from the Mirandola 20th May 2012 earthquake. Bulletin of Earthquake Engineering, 2014, 12, 2481-2493.	4.1	18
13	Dynamic characterization of the Eiffel tower. Engineering Structures, 2016, 126, 628-640.	5.3	18
14	What criticality in cellular automata models of earthquakes?. Geophysical Journal International, 2002, 150, 483-493.	2.4	15
15	Soil and structure damping from single station measurements. Soil Dynamics and Earthquake Engineering, 2016, 90, 480-493.	3.8	15
16	A simple but effective cellular automaton for earthquakes. Geophysical Journal International, 2001, 144, 609-624.	2.4	14
17	Earthquakes as three stage processes. Geophysical Journal International, 2004, 158, 98-108.	2.4	14
18	A new hydrostratigraphic model of Venice area (Italy). Environmental Earth Sciences, 2012, 66, 1021-1030.	2.7	14

#	Article	IF	Citations
19	Detecting 1-D and 2-D ground resonances with a single-station approach. Geophysical Journal International, 2020, 223, 471-487.	2.4	14
20	HVSR deep mapping tested down to âˆ¼1.8 km in Po Plane Valley, Italy. Physics of the Earth and Planetary Interiors, 2016, 261, 17-23.	1.9	12
21	A seismic passive imaging step beyond SPAC and ReMi. Geophysics, 2013, 78, KS63-KS72.	2.6	11
22	Potential Instability of Gas Hydrates along the Chilean Margin Due to Ocean Warming. Geosciences (Switzerland), 2019, 9, 234.	2.2	11
23	Regional Earthquake Magnitude Conversion Relations for the Himalayan Seismic Belt. Seismological Research Letters, 2020, 91, 3195-3207.	1.9	11
24	Experimental Uncertainty on the Vs(z) Profile and Seismic Soil Classification. Seismological Research Letters, 2009, 80, 985-988.	1.9	8
25	A surface seismic approach to liquefaction. Soil Dynamics and Earthquake Engineering, 2015, 77, 35-46.	3.8	8
26	Nondiffuse elastic and anelastic passive imaging. Journal of the Acoustical Society of America, 2010, 127, 1391-1396.	1.1	7
27	Measuring shear wave velocity, Vs, of a hidden layer: an application to soil improvement under roads. Canadian Geotechnical Journal, 2015, 52, 721-731.	2.8	4
28	Combining single-station microtremor and gravity surveys for deep stratigraphic mapping. Geophysics, 2021, 86, G77-G88.	2.6	3
29	Passive Seismic Survey for Cultural Heritage Landslide Risk Assessment. , 2013, , 483-489.		3
30	Classification of pre-eruption and non-pre-eruption epochs at Mount Etna volcano by means of artificial neural networks. Geophysical Research Letters, 2007, 34, .	4.0	2
31	Dynamic Characterization of the Eiffel Tower. Procedia Engineering, 2017, 199, 3332-3337.	1.2	2
32	Reply to â€œComment on â€˜Unbiased Estimation of Moment Magnitude from Bodyâ€•and Surfaceâ€•Wave Magnitudesâ€™ by R. Das, H. R. Wason, and M. L. Sharma and â€˜Comparative Analysis of Regression Methods Used for Seismic Magnitudes Conversionsâ€™ by P. Gasperini, B. Lolli, and S. Castellaroâ€•by J. Pujol. Bulletin of the Seismological Society of America, 2018, 108, 548-551.	2.3	2
33	Simplified Seismic Soil Classification: The VfZ Approach. , 2013, , .		1
34	A Statistical Low Noise Model of the Earth. Seismological Research Letters, 2012, 83, 585-587.	1.9	0
35	The Different Response of Apparently Identical Structures: a Far-Field Lesson from the Mirandola 20 th May 2012 Earthquake. Procedia Engineering, 2017, 199, 2336-2341.	1.2	0
36	Continuous monitoring of surface wave velocity at the Montevecchio earthflow (ForlÃ¬-Cesena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.3	0