Lucia Luzi

List of Publications by Year
in descending order

91	4,005	117453 34	133063 59
papers	citations	h-index	g-index

95	95	95	2395
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Accessing European Strong-Motion Data: An Update on ORFEUS Coordinated Services. Seismological Research Letters, 2021, 92, 1642-1658.	0.8	12
2	Simulation of non-stationary stochastic ground motions based on recent Italian earthquakes. Bulletin of Earthquake Engineering, 2021, 19, 3287-3315.	2.3	11
3	Preface to the Focus Section on European Seismic Networks and Associated Services and Products. Seismological Research Letters, 2021, 92, 1483-1490.	0.8	4
4	A GIS procedure for the topographic classification of Italy, according to the seismic code provisions. Soil Dynamics and Earthquake Engineering, 2021, 148, 106848.	1.9	6
5	Site response analyses for complex geological and morphological conditions: relevant case-histories from 3rd level seismic microzonation in Central Italy. Bulletin of Earthquake Engineering, 2020, 18, 5741-5777.	2.3	26
6	A ground motion model for volcanic areas in Italy. Bulletin of Earthquake Engineering, 2020, 18, 57-76.	2.3	14
7	Seismological analyses of the seismic microzonation of 138 municipalities damaged by the 2016â€"2017 seismic sequence in Central Italy. Bulletin of Earthquake Engineering, 2020, 18, 5553-5593.	2.3	29
8	2016â€"2017 Central Italy seismic sequence: strong-motion data analysis and design earthquake selection for seismic microzonation purposes. Bulletin of Earthquake Engineering, 2020, 18, 5533-5551.	2.3	20
9	The New ShakeMap in Italy: Progress and Advances in the Last 10 Yr. Seismological Research Letters, 2020, 91, 317-333.	0.8	54
10	Analysis of Near-Source Ground Motion from the 2019 Ridgecrest Earthquake Sequence. Bulletin of the Seismological Society of America, 2020, 110, 1495-1505.	1.1	16
11	Ground motion models for the new seismic hazard model of Italy (MPS19): selection for active shallow crustal regions and subduction zones. Bulletin of Earthquake Engineering, 2020, 18, 3487-3516.	2.3	24
12	Site effects observed in the Norcia intermountain basin (Central Italy) exploiting a 20-year monitoring. Bulletin of Earthquake Engineering, 2019, 17, 97-118.	2.3	13
13	Temporary dense seismic network during the 2016 Central Italy seismic emergency for microzonation studies. Scientific Data, 2019, 6, 182.	2.4	17
14	A Revised Groundâ€Motion Prediction Model for Shallow Crustal Earthquakes in Italy. Bulletin of the Seismological Society of America, 2019, 109, 525-540.	1.1	68
15	Fling Effects from Nearâ€Source Strongâ€Motion Records: Insights from the 2016 MwÂ6.5 Norcia, Central Italy, Earthquake. Seismological Research Letters, 2019, 90, 659-671.	0.8	18
16	Spatial Correlation Model of Systematic Site and Path Effects for Groundâ€Motion Fields in Northern Italy. Bulletin of the Seismological Society of America, 2019, 109, 1419-1434.	1.1	21
17	The pan-European Engineering Strong Motion (ESM) flatfile: compilation criteria and data statistics. Bulletin of Earthquake Engineering, 2019, 17, 561-582.	2.3	63
18	The pan-European engineering strong motion (ESM) flatfile: consistency check via residual analysis. Bulletin of Earthquake Engineering, 2019, 17, 583-602.	2.3	34

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19	Strong-motion processing service: a tool to access and analyse earthquakes strong-motion waveforms. Bulletin of Earthquake Engineering, 2018, 16, 2641-2651.	2.3	28
20	Improving seismic hazard approaches for critical infrastructures: a pilot study in the Po Plain. Bulletin of Earthquake Engineering, 2018, 16, 2529-2564.	2.3	7
21	Empirical equations for the prediction of PGA and pseudo spectral accelerations using Iranian strong-motion data. Journal of Seismology, 2018, 22, 263-285.	0.6	45
22	Site characterization of Italian accelerometric stations. Bulletin of Earthquake Engineering, 2017, 15, 2329-2348.	2.3	26
23	Systematic source, path and site effects on ground motion variability: the case study of Northern Italy. Bulletin of Earthquake Engineering, 2017, 15, 4563-4583.	2.3	20
24	Fault Segmentation as Constraint to the Occurrence of the Main Shocks of the 2016 Central Italy Seismic Sequence. Tectonics, 2017, 36, 2370-2387.	1.3	122
25	The Central Italy Seismic Sequence between August and December 2016: Analysis of Strongâ€Motion Observations. Seismological Research Letters, 2017, 88, 1219-1231.	0.8	61
26	Update of the single-station sigma analysis for the Italian strong-motion stations. Bulletin of Earthquake Engineering, 2017, 15, 2411-2428.	2.3	14
27	SYNTHESIS: a web repository of synthetic waveforms. Bulletin of Earthquake Engineering, 2017, 15, 2483-2496.	2.3	9
28	Diminishing highâ€frequency directivity due to a source effect: Empirical evidence from small earthquakes in the Abruzzo region, Italy. Geophysical Research Letters, 2016, 43, 5000-5008.	1.5	43
29	The Engineering Strongâ€Motion Database: A Platform to Access Panâ€European Accelerometric Data. Seismological Research Letters, 2016, 87, 987-997.	0.8	90
30	Groundâ€Motion Prediction Equations for Regionâ€Specific Probabilistic Seismicâ€Hazard Analysis. Bulletin of the Seismological Society of America, 2016, 106, 73-92.	1.1	36
31	Spectral models for ground motion prediction in the L'Aquila region (central Italy): evidence for stress-drop dependence on magnitude and depth. Geophysical Journal International, 2016, 204, 697-718.	1.0	70
32	Site effect studies following the 2016 Mw 6.0 Amatrice Earthquake (Italy): the Emersito Task Force activities. Annals of Geophysics, 2016, 59, .	0.5	12
33	Preliminary analysis of the accelerometric recordings of the August 24th, 2016 MW 6.0 Amatrice earthquake. Annals of Geophysics, 2016, 59, .	0.5	7
34	Engineering Characterization of Earthquake Ground Motions. , 2015, , 986-1001.		0
35	Single-Station Sigma for Italian Strong-Motion Stations. Bulletin of the Seismological Society of America, 2014, 104, 467-483.	1.1	31
36	Engineering Characterization of Earthquake Ground Motions. , 2014, , 1-18.		3

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37	Pan-European ground-motion prediction equations for the average horizontal component of PGA, PGV, and 5Â%-damped PSA at spectral periods up to 3.0Âs using the RESORCE dataset. Bulletin of Earthquake Engineering, 2014, 12, 391-430.	2.3	205
38	Reference database for seismic ground-motion in Europe (RESORCE). Bulletin of Earthquake Engineering, 2014, 12, 311-339.	2.3	212
39	Comparisons among the five ground-motion models developed using RESORCE for the prediction of response spectral accelerations due to earthquakes in Europe and the Middle East. Bulletin of Earthquake Engineering, 2014, 12, 341-358.	2.3	71
40	Overview on the Strong-Motion Data Recorded during the May-June 2012 Emilia Seismic Sequence. Seismological Research Letters, 2013, 84, 629-644.	0.8	51
41	The 2012 May 20 and 29, Emilia earthquakes (Northern Italy) and the main aftershocks: S-wave attenuation, acceleration source functions and site effects. Geophysical Journal International, 2013, 195, 597-611.	1.0	22
42	INGV strong-motion data web-portal: a focus on the Emilia seismic sequence of May-June 2012. Annals of Geophysics, 2012, 55, .	0.5	4
43	Preliminary results from EMERSITO, a rapid response network for site-effect studies. Annals of Geophysics, 2012, 55, .	0.5	17
44	What can we learn from the January 2012 northern Italy earthquakes?. Annals of Geophysics, 2012, 55, .	0.5	2
45	The May 2012 Pianura Padana Emiliana seismic sequence: INGV strong-motion data website. Annals of Geophysics, 2012, 55, .	0.5	2
46	The survey and mapping of sand-boil landforms related to the Emilia 2012 earthquakes: preliminary results. Annals of Geophysics, 2012, 55, .	0.5	5
47	Evaluation of site effects in the Aterno river valley (Central Italy) from aftershocks of the 2009 Lâ€™Aquila earthquake. Bulletin of Earthquake Engineering, 2011, 9, 697-715.	2.3	19
48	Separation of source and site effects by generalized inversion technique using the aftershock recordings of the 2009 Lâ€™Aquila earthquake. Bulletin of Earthquake Engineering, 2011, 9, 717-739.	2.3	38
49	Frequency variation in site response as observed from strong motion data of the Lâ€™Aquila (2009) seismic sequence. Bulletin of Earthquake Engineering, 2011, 9, 869-892.	2.3	23
50	Identification of accelerometric stations in ITACA with distinctive features in their seismic response. Bulletin of Earthquake Engineering, 2011, 9, 1921-1939.	2.3	12
51	Site effects observed in alluvial basins: the case of Norcia (Central Italy). Bulletin of Earthquake Engineering, 2011, 9, 1941-1959.	2.3	29
52	Proposal for a soil classification based on parameters alternative or complementary to Vs,30. Bulletin of Earthquake Engineering, 2011, 9, 1877-1898.	2.3	109
53	Extensive characterization of Italian accelerometric stations from single-station ambient-vibration measurements. Bulletin of Earthquake Engineering, 2011, 9, 1821-1838.	2.3	19
54	Ground motion prediction equations derived from the Italian strong motion database. Bulletin of Earthquake Engineering, 2011, 9, 1899-1920.	2.3	278

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55	Overview of the Italian strong motion database ITACA 1.0. Bulletin of Earthquake Engineering, 2011, 9, 1723-1739.	2.3	115
56	Rapid response seismic networks in Europe: lessons learnt from the L'Aquila earthquake emergency. Annals of Geophysics, 2011, 54, .	0.5	11
57	Strong-Motion Networks in Italy and Their Efficient Use in the Derivation of Regional and Global Predictive Models. Geotechnical, Geological and Earthquake Engineering, 2011, , 53-69.	0.1	0
58	Horizontal and vertical ground motion prediction equations derived from the Italian Accelerometric Archive (ITACA). Bulletin of Earthquake Engineering, 2010, 8, 1209-1230.	2.3	76
59	Italian strong motion database relative to the period 1972â€"2004: motivations and aims. Bulletin of Earthquake Engineering, 2010, 8, 1159-1174.	2.3	6
60	The ITalian ACcelerometric Archive (ITACA): processing of strong-motion data. Bulletin of Earthquake Engineering, 2010, 8, 1175-1187.	2.3	26
61	Italian accelerometric archive: geological, geophysical and geotechnical investigations at strong-motion stations. Bulletin of Earthquake Engineering, 2010, 8, 1189-1207.	2.3	12
62	Strong motion monitoring in Italy. Bulletin of Earthquake Engineering, 2010, 8, 1073-1074.	2.3	0
63	The 6 April 2009 Mw 6.3 L'Aquila (Central Italy) Earthquake: Strong-motion Observations. Seismological Research Letters, 2009, 80, 951-966.	0.8	76
64	Towards a new reference ground motion prediction equation for Italy: update of the Sabettaâ€"Pugliese (1996). Bulletin of Earthquake Engineering, 2009, 7, 591-608.	2.3	27
65	The<i>M</i>_w6.3, 2009 Lï¿½ï¿½ï¿½Aquila earthquake: source, path and site effects from spectral analysis of strong motion data. Geophysical Journal International, 2009, 179, 1573-1579.	1.0	59
66	Site Amplifications Observed in the Gubbio Basin, Central Italy: Hints for Lateral Propagation Effects. Bulletin of the Seismological Society of America, 2009, 99, 741-760.	1.1	73
67	Interevent and Interstation Variability Computed for the Italian Accelerometric Archive (ITACA). Bulletin of the Seismological Society of America, 2009, 99, 2471-2488.	1.1	18
68	Ground motion models for the Molise region (Southern Italy). Soil Dynamics and Earthquake Engineering, 2008, 28, 198-211.	1.9	13
69	Stochastic Strong-Motion Simulation of the Mw 6 Umbria-Marche Earthquake of September 1997: Comparison of Different Approaches. Bulletin of the Seismological Society of America, 2008, 98, 662-670.	1.1	18
70	ITACA (ITalian ACcelerometric Archive): A Web Portal for the Dissemination of Italian Strong-motion Data. Seismological Research Letters, 2008, 79, 716-722.	0.8	169
71	Influence of earthquakes on the stability of slopes. Engineering Geology, 2007, 91, 4-15.	2.9	57
72	Characteristics of strong ground motion data recorded in the Gubbio sedimentary basin (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	24

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73	Analysis of the Frequency Dependence of the S-Wave Radiation Pattern from Local Earthquakes in Central Italy. Bulletin of the Seismological Society of America, 2006, 96, 415-426.	1.1	15
74	Ground-Motion Predictions from Empirical Attenuation Relationships versus Recorded Data: The Case of the 1997-1998 Umbria-Marche, Central Italy, Strong-Motion Data Set. Bulletin of the Seismological Society of America, 2006, 96, 984-1002.	1.1	52
75	Geotechnical Site Characterisation in the Umbria-Marche Area and Evaluation of Earthquake Site-Response. Pure and Applied Geophysics, 2005, 162, 2133-2161.	0.8	25
76	Hydrogeological Changes Related to the Umbria?Marche Earthquake of 26 September 1997 (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	8
77	Site Response of Strong Motion Stations in the Umbria, Central Italy, Region. Bulletin of the Seismological Society of America, 2004, 94, 576-590.	1.1	54
78	The 1997-1998 Umbria-Marche sequence (central Italy): Source, path, and site effects estimated from strong motion data recorded in the epicentral area. Journal of Geophysical Research, 2004, 109, .	3.3	49
79	The application of predictive modeling techniques to landslides induced by earthquakes: the case study of the 26 September 1997 Umbriaâ€“Marche earthquake (Italy). Engineering Geology, 2003, 69, 139-159.	2.9	86
80	Detection of local site effects through the estimation of building damages. Soil Dynamics and Earthquake Engineering, 2003, 23, 497-511.	1.9	4
81	Rock falls induced by earthquakes: a statistical approach. Soil Dynamics and Earthquake Engineering, 2002, 22, 565-577.	1.9	77
82	The use of predictive modeling techniques for optimal exploitation of spatial databases: a case study in landslide hazard mapping with expert system-like methods. Environmental Geology, 2002, 41, 765-775.	1.2	112
83	Measuring the seismic vulnerability of strategic public facilities: response of the healthâ€care system. Disaster Prevention and Management, 2000, 9, 29-38.	0.6	8
84	Slope vulnerability to earthquakes at subregional scale, using probabilistic techniques and geographic information systems. Engineering Geology, 2000, 58, 313-336.	2.9	110
85	A correlation between slope failures and accelerometric parameters: the 26 September 1997 earthquake (Umbriaâ€“Marche, Italy). Soil Dynamics and Earthquake Engineering, 2000, 20, 301-313.	1.9	25
86	Seismic microzoning of the area struck by Umbriaâ€“Marche (Central Italy) Ms 5.9 earthquake of 26 September 1997. Soil Dynamics and Earthquake Engineering, 1999, 18, 279-296.	1.9	36
87	Title is missing!. Natural Hazards, 1999, 20, 57-82.	1.6	65
88	Title is missing!. Natural Hazards, 1998, 17, 77-97.	1.6	153
89	Applications of statistical and GIS techniques to slope instability zonation (1: 50.000 Fabriano) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.9	50
90	Topographic effects on the hill of Nocera Umbra, central Italy. Geophysical Journal International, 0, 182, 977-987.	1.0	56

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91	Seismo-Stratigraphic Model for the Urban Area of Milan (Italy) by Ambient-Vibration Monitoring and Implications for Seismic Site Effects Assessment. Frontiers in Earth Science, 0, 10, .	0.8	0