Daniele Spallarossa

List of Publications by Year
in descending order

65 papers	1,686 citations	257101 24 h-index	329751 37 g-index
66 all docs	66 docs citations	66 times ranked	1444 citing authors

#	Article	IF	Citations
1	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. Surveys in Geophysics, 2018, 39, 1009-1033.	2.1	138
2	Disaggregation of Probabilistic Ground-Motion Hazard in Italy. Bulletin of the Seismological Society of America, 2009, 99, 2638-2661.	1.1	112
3	A three-dimensional crustal velocity model of the southwestern Alps from local earthquake tomography. Journal of Geophysical Research, 2001, 106, 19367-19389.	3.3	73
4	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
5	Title is missing!. Journal of Seismology, 2000, 4, 401-414.	0.6	67
6	Faults Geometry and the Role of Fluids in the 2016â€“2017 Central Italy Seismic Sequence. Geophysical Research Letters, 2018, 45, 6963-6971.	1.5	62
7	Between-event and between-station variability observed in the Fourier and response spectra domains: comparison with seismological models. Geophysical Journal International, 2017, 210, 1092-1104.	1.0	55
8	Source parameters of small events using constrained deconvolution with empirical Green's functions. Geophysical Journal International, 1999, 137, 651-662.	1.0	52
9	Ground-Motion Scaling in the Western Alps. Journal of Seismology, 2006, 10, 315-333.	0.6	48
10	Earthquake relocations, crustal rheology, and active deformation in the centralâ€“eastern Alps (N) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	45
11	Empirical Ground-Motion Prediction Equations for Northern Italy Using Weak- and Strong-Motion Amplitudes, Frequency Content, and Duration Parameters. Bulletin of the Seismological Society of America, 2008, 98, 1319-1342.	1.1	42
12	Local and Duration Magnitudes in Northwestern Italy, and Seismic Moment Versus Magnitude Relationships. Bulletin of the Seismological Society of America, 2005, 95, 592-604.	1.1	40
13	Mainshocks and aftershocks of the 2002 molise seismic sequence, southern Italy. Journal of Seismology, 2005, 9, 487-494.	0.6	38
14	Source Parameters Estimated from the Aftershocks of the 1997 Umbria-Marche (Italy) Seismic Sequence. Bulletin of the Seismological Society of America, 2001, 91, 448-455.	1.1	34
15	Impact of Magnitude Selection on Aleatory Variability Associated with Groundâ€Motion Prediction Equations: Part Iâ€”Local, Energy, and Moment Magnitude Calibration and Stressâ€Drop Variability in Central Italy. Bulletin of the Seismological Society of America, 2018, 108, 1427-1442.	1.1	31
16	An ML Scale in Northwestern Italy. Bulletin of the Seismological Society of America, 2002, 92, 2205-2216.	1.1	30
17	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
18	Anomalously deep earthquakes in northwestern Italy. Journal of Seismology, 1999, 3, 421-435.	0.6	28

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19	Structure and properties of the Adriatic crust in the centralâ€eastern Southern Alps (<scp>I</scp>taly) from local earthquake tomography. Terra Nova, 2013, 25, 504-512.	0.9	28
20	Reliability of Source Parameters for Small Events in Central Italy: Insights from Spectral Decomposition Analysis Applied to Both Synthetic and Real Data. Bulletin of the Seismological Society of America, 2020, 110, 3139-3157.	1.1	28
21	A Waveform Similarity Approach to Investigate Seismicity Patterns. Natural Hazards, 1999, 19, 123-138.	1.6	27
22	Detection of earthquake clusters on the basis of waveform similarity: An application in the monferrato region (Piedmont, Italy). Journal of Seismology, 2006, 10, 1-22.	0.6	27
23	Source study and tectonic implications of the 1995 Ventimiglia (border of Italy and France) earthquake (ML=4.7). Tectonophysics, 1998, 290, 245-257.	0.9	25
24	Sensitivity analysis of seismic hazard for Western Liguria (North Western Italy): A first attempt towards the understanding and quantification of hazard uncertainty. Tectonophysics, 2007, 435, 13-35.	0.9	25
25	Performance of the RSNI-Picker. Seismological Research Letters, 2014, 85, 1243-1254.	0.8	25
26	Detecting long-lasting transients of earthquake activity on a fault system by monitoring apparent stress, ground motion and clustering. Scientific Reports, 2019, 9, 16268.	1.6	25
27	Impact of Magnitude Selection on Aleatory Variability Associated with Groundâ€Motion Prediction Equations: Part IIâ€"Analysis of the Betweenâ€Event Distribution in Central Italy. Bulletin of the Seismological Society of America, 2019, 109, 251-262.	1.1	25
28	Lithoâ€"asthenospheric structures of northern Italy as inferred from teleseismic P-wave tomography. Tectonophysics, 1996, 260, 271-289.	0.9	24
29	On microseisms recorded near the Ligurian coast (Italy) and their relationship with sea wave height. Geophysical Journal International, 2013, 194, 524-533.	1.0	24
30	Effects of surface topography on ground shaking prediction: implications for seismic hazard analysis and recommendations for seismic design. Geophysical Journal International, 2014, 197, 1551-1565.	1.0	24
31	Soil amplification in probabilistic ground motion hazard analysis. Bulletin of Earthquake Engineering, 2017, 15, 2525-2545.	2.3	23
32	Seismicity and crustal structure beneath the western Ligurian Sea derived from local earthquake tomography. Tectonophysics, 2001, 339, 495-510.	0.9	22
33	Temporal Variability of Ground Shaking and Stress Drop in Central Italy: A Hint for Fault Healing?. Bulletin of the Seismological Society of America, 2018, 108, 1853-1863.	1.1	20
34	The waveform similarity approach to identify dependent events in instrumental seismic catalogues. Geophysical Journal International, 2007, 168, 100-108.	1.0	19
35	Methodology to identify the reference rock sites in regions of medium-to-high seismicity: an application in Central Italy. Geophysical Journal International, 2020, 222, 2053-2067.	1.0	19
36	On-site earthquake early warning: a partially non-ergodic perspective from the site effects point of view. Geophysical Journal International, 2019, 216, 919-934.	1.0	16

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37	Title is missing!. Journal of Seismology, 2000, 4, 415-433.	0.6	15
38	Moment and energy magnitudes: diversity of views on earthquake shaking potential and earthquake statistics. Geophysical Journal International, 2019, 216, 1245-1259.	1.0	15
39	Generic-To-Reference Rock Scaling Factors for Seismic Ground Motion in Italy. Bulletin of the Seismological Society of America, 2022, 112, 1583-1606.	1.1	15
40	AutomaticPâ€•andSâ€Wave Local Earthquake Tomography: Testing Performance of the Automatic Phaseâ€Picker Engine â€œRSNIâ€Pickerâ€• Bulletin of the Seismological Society of America, 2016, 106, 526-536.	1.1	14
41	Quantification of site effects in the Amatrice area (Central Italy): Insights from ground-motion recordings of the 2016â€“2017 seismic sequence. Soil Dynamics and Earthquake Engineering, 2021, 142, 106565.	1.9	14
42	Ground motion models for the Molise region (Southern Italy). Soil Dynamics and Earthquake Engineering, 2008, 28, 198-211.	1.9	13
43	Empirical scoring of ground motion prediction equations for probabilistic seismic hazard analysis in Italy including site effects. Bulletin of Earthquake Engineering, 2017, 15, 2547-2570.	2.3	13
44	The RAMONES Service for Rapid Assessment of Seismic Moment and Radiated Energy in Central Italy: Concepts, Capabilities, and Future Perspectives. Seismological Research Letters, 2021, 92, 1759-1772.	0.8	12
45	Shear wave splitting in the Alpine region. Geophysical Journal International, 2021, 227, 1996-2015.	1.0	12
46	Robust Picking and Accurate Location with RSNIâ€Picker2: Realâ€Time Automatic Monitoring of Earthquakes and Nontectonic Events. Seismological Research Letters, 2018, 89, 1478-1487.	0.8	11
47	Reliability of earthquake location procedures in heterogeneous areas: synthetic tests in the South Western Alps, Italy. Physics of the Earth and Planetary Interiors, 2001, 123, 247-266.	0.7	10
48	Investigating on the 1920 Garfagnana earthquake (Mw=6.5): Evidences of site effects in Villa Collemandina (Tuscany, Italy). Soil Dynamics and Earthquake Engineering, 2010, 30, 1417-1429.	1.9	10
49	On the Influence of Horizontal Groundâ€Shaking Definition on Probabilistic Seismicâ€Hazard Analysis. Bulletin of the Seismological Society of America, 2015, 105, 2704-2712.	1.1	10
50	Long-range dependence in earthquake-moment release and implications for earthquake occurrence probability. Scientific Reports, 2018, 8, 5326.	1.6	10
51	Analysis of seismicity and micro-seismicity associated with the Octoberâ€“November 2010 Sampeyre swarm, Southwestern Alps. Tectonophysics, 2014, 611, 130-140.	0.9	9
52	Seismicity of Northwestern Italy during the last 30Âyears. Journal of Seismology, 2015, 19, 201-218.	0.6	9
53	Timeâ€“Space Evolution of Seismic Strain Release in the Area Shocked by the August 24â€“October 30 Central Italy Seismic Sequence. Pure and Applied Geophysics, 2017, 174, 1875-1887.	0.8	9
54	Influence of Twenty Years of Research on Groundâ€Motion Prediction Equations on Probabilistic Seismic Hazard in Italy. Bulletin of the Seismological Society of America, 2017, 107, 240-255.	1.1	9

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55	Title is missing!. Journal of Earthquake Engineering, 2005, 9, 23.	1.4	8
56	Improving automatic location procedure by waveform similarity analysis: An application in the South Western Alps (Italy). Physics of the Earth and Planetary Interiors, 2006, 154, 18-29.	0.7	8
57	Improved 2-D attenuation analysis for Northern Italy using a merged dataset from selected regional seismic networks. Journal of Seismology, 2010, 14, 727-738.	0.6	6
58	Ground shaking scenarios at the town of Vicoforte, Italy. Soil Dynamics and Earthquake Engineering, 2011, 31, 757-772.	1.9	6
59	A Complete Automatic Procedure to Compile Reliable Seismic Catalogs and Travelâ€Time and Strongâ€Motion Parameters Datasets. Seismological Research Letters, 2019, 90, 1308-1317.	0.8	6
60	Automated control procedures and first results from the temporary seismic monitoring of the 2012 Emilia sequence. Annals of Geophysics, 2012, 55, .	0.5	6
61	Spatiotemporal Evolution of Ground-Motion Intensity at the Irpinia Near-Fault Observatory, Southern Italy. Bulletin of the Seismological Society of America, 2022, 112, 243-261.	1.1	6
62	Reliability of the automatic procedures for locating earthquakes in southwestern Alps and northern Apennines (Italy). Journal of Seismology, 2010, 14, 393-411.	0.6	5
63	Depth-Dependent Shear-Wave Attenuation in Central Apennines, Italy. Pure and Applied Geophysics, 2021, 178, 2059-2075.	0.8	3
64	INFLUENCE OF GROUND MOTION CHARACTERISTICS ON MONUMENTAL BUILDING DAMAGE: THE 2002 MOLISE EARTHQUAKE (SOUTHERN ITALY). Journal of Earthquake Engineering, 2006, 10, 381-409.	1.4	1
65	Micro-turbine applied to seismology: towards a power supply safe from lightning. E3S Web of Conferences, 2019, 113, 03004.	0.2	1