

Vincenzo A Lapenna

List of Publications by Year in descending order

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88
papers

2,319
citations

218677

26
h-index

233421

45
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90
all docs

90
docs citations

90
times ranked

1589
citing authors

#	ARTICLE	IF	CITATIONS
1	2D electrical resistivity imaging of some complex landslides in Lucanian Apennine chain, southern Italy. <i>Geophysics</i> , 2005, 70, B11-B18.	2.6	143
2	Multiresolution wavelet analysis of earthquakes. <i>Chaos, Solitons and Fractals</i> , 2004, 22, 741-748.	5.1	124
3	The use of electrical resistivity tomographies in active tectonics: examples from the Tyrnavos Basin, Greece. <i>Journal of Geodynamics</i> , 2003, 36, 19-35.	1.6	122
4	Mono- and multi-fractal investigation of scaling properties in temporal patterns of seismic sequences. <i>Chaos, Solitons and Fractals</i> , 2004, 19, 1-15.	5.1	118
5	Measuring multifractality in seismic sequences. <i>Tectonophysics</i> , 2006, 423, 115-123.	2.2	111
6	High-resolution geoelectrical tomographies in the study of Giarrossa landslide (southern Italy). <i>Bulletin of Engineering Geology and the Environment</i> , 2003, 62, 259-268.	3.5	107
7	Multifractal fluctuations in seismic interspike series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 354, 629-640.	2.6	74
8	Multifractal fluctuations in earthquake-related geoelectrical signals. <i>New Journal of Physics</i> , 2005, 7, 214-214.	2.9	67
9	Fluctuation dynamics in geoelectrical data: an investigation by using multifractal detrended fluctuation analysis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 332, 398-404.	2.1	61
10	Identifying space-time clustering properties of the 1983-1997 Irpinia-Basilicata (Southern Italy) seismicity. <i>Tectonophysics</i> , 2001, 330, 93-102.	2.2	56
11	A new approach to investigate the correlation between geoelectrical time fluctuations and earthquakes in a seismic area of southern Italy. <i>Geophysical Research Letters</i> , 2001, 28, 4375-4378.	4.0	51
12	Evidence of Low-Magnitude Continued Reservoir-Induced Seismicity Associated with the Pertusillo Artificial Lake (Southern Italy). <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 1820-1828.	2.3	51
13	Digital photogrammetric analysis and electrical resistivity tomography for investigating the Picerno landslide (Basilicata region, southern Italy). <i>Geomorphology</i> , 2011, 133, 34-46.	2.6	48
14	Depth-dependent time-clustering behaviour in seismicity of southern California. <i>Geophysical Research Letters</i> , 2001, 28, 4323-4326.	4.0	46
15	Transport Infrastructure Surveillance and Monitoring by Electromagnetic Sensing: The ISTIMES Project. <i>Sensors</i> , 2010, 10, 10620-10639.	3.8	46
16	Monofractal and multifractal approaches in investigating scaling properties in temporal patterns of the 1983-2000 seismicity in the western Corinth graben, Greece. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 131, 63-79.	1.9	45
17	Long-range correlations in two-dimensional spatio-temporal seismic fluctuations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 377, 279-284.	2.6	44
18	Spatial variability of the time-correlated behaviour in Italian seismicity. <i>Earth and Planetary Science Letters</i> , 2003, 212, 279-290.	4.4	43

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19	Magnetic mapping, ground penetrating radar surveys and magnetic susceptibility measurements for the study of the archaeological site of Serra di Vaglio (southern Italy). <i>Journal of Archaeological Science</i> , 2004, 31, 633-643.	2.4	42
20	2D Self-Potential tomographies for studying groundwater flows in the Varco d'Izzo landslide (Basilicata, southern Italy). <i>Engineering Geology</i> , 2006, 88, 274-286.	6.3	41
21	Monofractal and multifractal characterization of geoelectrical signals measured in southern Italy. <i>Chaos, Solitons and Fractals</i> , 2003, 18, 385-399.	5.1	40
22	GPR and microwave tomography for detecting shallow cavities in the historical area of "Sassi of Matera" (southern Italy). <i>Near Surface Geophysics</i> , 2007, 5, 275-284.	1.2	38
23	Pore water pressures and slope stability: a joint geophysical and geotechnical analysis. <i>Journal of Geophysics and Engineering</i> , 2008, 5, 323-337.	1.4	36
24	Investigating non-uniform scaling behavior in Ultra Low Frequency (ULF) earthquake-related geomagnetic signals. <i>Earth and Planetary Science Letters</i> , 2008, 268, 219-224.	4.4	34
25	Intermittent-type temporal fluctuations in seismicity of the Irpinia (southern Italy) Region. <i>Geophysical Research Letters</i> , 2001, 28, 3765-3768.	4.0	28
26	Robust identification of periodic behavior in the time dynamics of short seismic series: the case of seismicity induced by Pertusillo Lake, southern Italy. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1437-1446.	4.0	28
27	Statistical analysis of fractal properties of point processes modeling seismic sequences. <i>Physics of the Earth and Planetary Interiors</i> , 2001, 125, 65-83.	1.9	27
28	Detrended fluctuation analysis of the spatial variability of the temporal distribution of Southern California seismicity. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 335-342.	5.1	27
29	Investigating the multifractal properties of geoelectrical signals measured in southern Italy. <i>Physics and Chemistry of the Earth</i> , 2004, 29, 295-303.	2.9	27
30	On the methods to identify clustering properties in sequences of seismic time-occurrences. <i>Journal of Seismology</i> , 2002, 6, 125-134.	1.3	25
31	Geoelectrical Surveys for Characterization of the Coastal Saltwater Intrusion in Metapontum Forest Reserve (Southern Italy). <i>International Journal of Geophysics</i> , 2012, 2012, 1-8.	1.1	25
32	Self-similarity properties of seismicity in the Southern Aegean area. <i>Tectonophysics</i> , 2000, 321, 179-188.	2.2	24
33	Analysis of the time-scaling behaviour in the sequence of the aftershocks of the Bovec (Slovenia) April 12, 1998 earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 120, 315-326.	1.9	22
34	A multidisciplinary approach for landslide residual risk assessment: the Pomarico landslide (Basilicata Region, Southern Italy) case study. <i>Landslides</i> , 2021, 18, 353-365.	5.4	22
35	On the scaling behavior of rain event sequence recorded in Basilicata region (Southern Italy). <i>Journal of Hydrology</i> , 2004, 296, 234-240.	5.4	19
36	Time-Lapse Electrical Resistivity Tomography (TL-ERT) for Landslide Monitoring: Recent Advances and Future Directions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1425.	2.5	19

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37	Ground penetrating radar and microwave tomography 3D applications for the deck evaluation of the Musmeci bridge in Potenza, Italy. <i>Journal of Geophysics and Engineering</i> , 2011, 8, S33-S46.	1.4	18
38	On the sensitivity of long-term magnetotelluric monitoring in Southern Italy and source-dependent robust single station transfer function variability. <i>Geophysical Journal International</i> , 2014, 197, 1425-1441.	2.4	18
39	Electric and Magnetic Field Changes Observed during a Seismic Swarm in Pollino Area (Southern Italy). <i>Journal of Geophysics and Engineering</i> , 2011, 8, S33-S46.	2.3	18
40	Monte Cotugno Dam Monitoring by the Electrical Resistivity Tomography. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2015, 8, 5346-5351.	4.9	18
41	Stochastic behaviour and scaling laws in geoelectrical signals measured in a seismic area of southern Italy. <i>Geophysical Journal International</i> , 1999, 139, 889-894.	2.4	17
42	Scaling characteristics of local geomagnetic field and seismicity at Etna volcano and their dynamics in relation to the eruptive activity. <i>Earth and Planetary Science Letters</i> , 2005, 235, 96-106.	4.4	17
43	Investigating the time-clustering properties in seismicity of Umbria-Marche region (central Italy). <i>Chaos, Solitons and Fractals</i> , 2003, 18, 203-217.	5.1	16
44	Long-range correlation analysis of earthquake-related geochemical variations recorded in Central Italy. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 491-500.	5.1	16
45	Long-range time-correlation properties of seismic sequences. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 387-393.	5.1	16
46	The Fisher information measure and Shannon entropy for particulate matter measurements. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4387-4392.	2.6	16
47	Fluctuation analysis of the hourly time variability of volcano-magnetic signals recorded at Mt. Etna Volcano, Sicily (Italy). <i>Chaos, Solitons and Fractals</i> , 2005, 23, 1921-1929.	5.1	16
48	Analysis of the temporal properties of Greek aftershock sequences. <i>Tectonophysics</i> , 2001, 341, 163-178.	2.2	15
49	Searching for time-scaling features in rainfall sequences. <i>Chaos, Solitons and Fractals</i> , 2007, 32, 35-41.	5.1	15
50	Analysis of Dynamics in Cd, Fe, and Pb in Particulate Matter by using the Fisher-Shannon Method. <i>Water, Air, and Soil Pollution</i> , 2009, 201, 33-41.	2.4	15
51	Time-clustering analysis of volcanic occurrence sequences. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 131, 47-62.	1.9	14
52	1/f± FLUCTUATIONS OF SEISMIC SEQUENCES. <i>Fluctuation and Noise Letters</i> , 2002, 02, L357-L367.	1.5	13
53	Multifractal features in short-term time dynamics of ULF geomagnetic field measured in Crete, Greece. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 273-282.	5.1	13
54	Fisher information measure of geoelectrical signals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 637-644.	2.6	13

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55	1/f \pm Fluctuations in geoelectrical signals observed in a seismic area of Southern Italy. Tectonophysics, 2002, 347, 253-268.	2.2	12
56	Flicker-noise spectroscopy: a new approach to investigate the time dynamics of geoelectrical signals measured in seismic areas. Physics and Chemistry of the Earth, 2004, 29, 389-395.	2.9	11
57	Investigating the time-correlation properties in self-potential signals recorded in a seismic area of Irapuato, southern Mexico. Chaos, Solitons and Fractals, 2007, 32, 199-211.	5.1	9
58	A Prototype System for Time-Lapse Electrical Resistivity Tomographies. International Journal of Geophysics, 2012, 2012, 1-12.	1.1	9
59	HINTS ABOUT SITE AMPLIFICATION EFFECTS COMPARING MACROSEISMIC HAZARD ESTIMATE WITH MICROTREMOR MEASUREMENTS: THE AGRICULTURAL VALLEY (ITALY) EXAMPLE. Journal of Earthquake Engineering, 2003, 7, 51-72.	2.5	8
60	Extracting quantitative dynamics in Earth's apparent resistivity time series by using the detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2007, 374, 380-388.	2.6	8
61	Space-magnitude dependent scaling behaviour in seismic interevent series revealed by detrended fluctuation analysis. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 3655-3659.	2.6	8
62	Analyzing cross-correlations between earthquakes and geoelectrical extreme events, measured in a seismic area of Southern Italy. Physics and Chemistry of the Earth, 2004, 29, 289-293.	2.9	7
63	An integrated approach for structural behavior characterization of the Gravina Bridge (Matera). Tj ETQq1 1 0.784314 rgBT /Oylock	7.5	1
64	FLUCTUATION ANALYSIS OF THE HOURLY TIME VARIABILITY IN OBSERVATIONAL GEOELECTRICAL SIGNALS. Fluctuation and Noise Letters, 2002, 02, L235-L242.	1.5	6
65	ERT and GPR Prospecting Applied to Unsaturated and Subwater Analogue Archaeological Site in a Full Scale Laboratory. Applied Sciences (Switzerland), 2022, 12, 1126.	2.5	6
66	Measuring apparent resistivity in a seismically active area of Southern Italy. Physics and Chemistry of the Earth, 2004, 29, 329-337.	2.9	5
67	Identifying features in time-occurrence sequences of volcanic eruptions. Environmetrics, 2005, 16, 181-190.	1.4	5
68	Fractal approaches in investigating the time dynamics of self-potential hourly variability. International Journal of Earth Sciences, 2005, 94, 285-300.	1.8	5
69	Design and installation of a monitoring network to investigate the correlations between geoelectrical fluctuations and seismicity of Basilicata region (southern Italy). Physics and Chemistry of the Earth, 2004, 29, 313-320.	2.9	4
70	TIME-CLUSTERING ANALYSIS OF RAINFALL FLUCTUATIONS. Fluctuation and Noise Letters, 2005, 05, L17-L25.	1.5	4
71	Fractal Methods in Self-Potential Signals Measured in Seismic Areas. , 2005, , 133-178.		4
72	Transition matrix analysis of earthquake magnitude sequences. Chaos, Solitons and Fractals, 2005, 24, 33-43.	5.1	4

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73	Analysis of Extreme Events in Geoelectrical Time Series Measured in a Seismic Area of Southern Apennine Chain (Italy). <i>Natural Hazards</i> , 2005, 34, 177-198.	3.4	3
74	New insights into the High Agri Valley deep structure revealed by magnetotelluric imaging and seismic tomography (Southern Apennine, Italy). <i>Tectonophysics</i> , 2021, 808, 228817.	2.2	3
75	FRactal characterization of the temporal distribution of aftershocks associated with the 1994 Mw6.7 Northridge earthquake. <i>Fractals</i> , 2002, 10, 67-76.	3.7	2
76	Investigating linear and nonlinear behaviours in time dynamics of observational seismic sequences. <i>Chaos, Solitons and Fractals</i> , 2004, 20, 195-203.	5.1	2
77	An investigation of the $1/f^{\pm}$ long-range fluctuations in short-term time variability of ULF geomagnetic data. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2006, 11, 745-758.	3.3	2
78	Electromagnetic Sensing Techniques for Non-Destructive Diagnosis of Civil Engineering Structures. , 2012, , .		2
79	Multifractal features in temporal patterns of seismicity in southern Apennine Chain (Italy). <i>Environmetrics</i> , 2003, 14, 719-732.	1.4	1
80	ANALYSIS OF CORRELATION PROPERTIES IN GEOELECTRICAL DATA. <i>Fractals</i> , 2003, 11, 27-38.	3.7	1
81	Seismogenic zone-dependent time-clustering behaviour in Italian seismicity. <i>Computers and Geosciences</i> , 2005, 31, 489-496.	4.2	1
82	QUANTIFYING PERSISTENT BEHAVIOR IN EARTH'S APPARENT RESISTIVITY TIME SERIES. <i>Fluctuation and Noise Letters</i> , 2006, 06, L371-L378.	1.5	1
83	Electrical Imaging for Geohazard and Environmental Monitoring. <i>International Journal of Geophysics</i> , 2012, 2012, 1-1.	1.1	1
84	Dynamics of internal and external origin revealed by a single-site magnetotelluric monitoring. , 2010, , .		1
85	Possible source effects observed in a magnetotelluric monitoring site in Southern Italy. , 2008, , .		1
86	Multifractal variability in self-potential signals measured in seismic areas. <i>Geological Society Special Publication</i> , 2006, 261, 95-103.	1.3	0
87	1D model validation for the variations in earth's apparent resistivity of barricelle site (Southern Tj ETQq1 1 0.784314 rgBT /Overl	2.9	0
88	Nonuniform scaling behavior in ultralow-frequency geomagnetic data in relationship with seismicity. , 2007, , .		0