Vincenzo A Lapenna

List of Publications by Year
in descending order

88	2,319	249298 26	274796 44
papers	citations	h-index	g-index

90	90	90	1754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-Lapse Electrical Resistivity Tomography (TL-ERT) for Landslide Monitoring: Recent Advances and Future Directions. Applied Sciences (Switzerland), 2022, 12, 1425.	1.3	19
2	ERT and GPR Prospecting Applied to Unsaturated and Subwater Analogue Archaeological Site in a Full Scale Laboratory. Applied Sciences (Switzerland), 2022, 12, 1126.	1.3	6
3	A multidisciplinary approach for landslide residual risk assessment: the Pomarico landslide (Basilicata Region, Southern Italy) case study. Landslides, 2021, 18, 353-365.	2.7	22
4	An integrated approach for structural behavior characterization of the Gravina Bridge (Matera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.3	7
5	New insights into the High Agri Valley deep structure revealed by magnetotelluric imaging and seismic tomography (Southern Apennine, Italy). Tectonophysics, 2021, 808, 228817.	0.9	3
6	Monte Cotugno Dam Monitoring by the Electrical Resistivity Tomography. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 5346-5351.	2.3	18
7	Robust identification of periodic behavior in the time dynamics of short seismic series: the case of seismicity induced by Pertusillo Lake, southern Italy. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1437-1446.	1.9	28
8	On the sensitivity of long-term magnetotelluric monitoring in Southern Italy and source-dependent robust single station transfer function variability. Geophysical Journal International, 2014, 197, 1425-1441.	1.0	18
9	Evidence of Low-Magnitude Continued Reservoir-Induced Seismicity Associated with the Pertusillo Artificial Lake (Southern Italy). Bulletin of the Seismological Society of America, 2014, 104, 1820-1828.	1.1	51
10	Electric and Magnetic Field Changes Observed during a Seismic Swarm in Pollino Area (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.1	18
11	Electrical Imaging for Geohazard and Environmental Monitoring. International Journal of Geophysics, 2012, 2012, 1-1.	0.4	1
12	A Prototype System for Time-Lapse Electrical Resistivity Tomographies. International Journal of Geophysics, 2012, 2012, 1-12.	0.4	9
13	Geoelectrical Surveys for Characterization of the Coastal Saltwater Intrusion in Metapontum Forest Reserve (Southern Italy). International Journal of Geophysics, 2012, 2012, 1-8.	0.4	25
14	Electromagnetic Sensing Techniques for Non-Destructive Diagnosis of Civil Engineering Structures. , 2012, , .		2
15	Digital photogrammetric analysis and electrical resistivity tomography for investigating the Picerno landslide (Basilicata region, southern Italy). Geomorphology, 2011, 133, 34-46.	1.1	48
16	Ground penetrating radar and microwave tomography 3D applications for the deck evaluation of the Musmeci bridge in Potenza, Italy. Journal of Geophysics and Engineering, 2011, 8, S33-S46.	0.7	18
17	Transport Infrastructure Surveillance and Monitoring by Electromagnetic Sensing: The ISTIMES Project. Sensors, 2010, 10, 10620-10639.	2.1	46
18	Dynamics of internal and external origin revealed by a singleâ€site magnetotelluric monitoring. , 2010, , .		1

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19	Analysis of Dynamics in Cd, Fe, and Pb in Particulate Matter by using the Fisherâ€“Shannon Method. Water, Air, and Soil Pollution, 2009, 201, 33-41.	1.1	15
20	1D model validation for the variations in earthâ€™s apparent resistivity of barricelle site (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	0
21	The Fisher information measure and Shannon entropy for particulate matter measurements. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4387-4392.	1.2	16
22	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.	1.2	8
23	Investigating non-uniform scaling behavior in Ultra Low Frequency (ULF) earthquake-related geomagnetic signals. Earth and Planetary Science Letters, 2008, 268, 219-224.	1.8	34
24	Pore water pressures and slope stability: a joint geophysical and geotechnical analysis. Journal of Geophysics and Engineering, 2008, 5, 323-337.	0.7	36
25	Possible source effects observed in a magnetotelluric monitoring site in Southern Italy. , 2008, , .		1
26	GPR and microwave tomography for detecting shallow cavities in the historical area of â€œSassi of Materaâ€•(southern Italy). Near Surface Geophysics, 2007, 5, 275-284.	0.6	38
27	Searching for time-scaling features in rainfall sequences. Chaos, Solitons and Fractals, 2007, 32, 35-41.	2.5	15
28	Investigating the time-correlation properties in self-potential signals recorded in a seismic area of Irpinia, southern Italy. Chaos, Solitons and Fractals, 2007, 32, 199-211.	2.5	9
29	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.	1.2	8
30	Long-range correlations in two-dimensional spatio-temporal seismic fluctuations. Physica A: Statistical Mechanics and Its Applications, 2007, 377, 279-284.	1.2	44
31	Nonuniform scaling behavior in ultralowâ€frequency geomagnetic data in relationship with seismicity. , 2007, , .		0
32	Measuring multifractality in seismic sequences. Tectonophysics, 2006, 423, 115-123.	0.9	111
33	2D Self-Potential tomographies for studying groundwater flows in the Varco d'Izzo landslide (Basilicata, southern Italy). Engineering Geology, 2006, 88, 274-286.	2.9	41
34	An investigation of the 1/fÎ± long-range fluctuations in short-term time variability of ULF geomagnetic data. Communications in Nonlinear Science and Numerical Simulation, 2006, 11, 745-758.	1.7	2
35	Multifractal variability in self-potential signals measured in seismic areas. Geological Society Special Publication, 2006, 261, 95-103.	0.8	0
36	QUANTIFYING PERSISTENT BEHAVIOR IN EARTH'S APPARENT RESISTIVITY TIME SERIES. Fluctuation and Noise Letters, 2006, 06, L371-L378.	1.0	1

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37	Multifractal fluctuations in earthquake-related geoelectrical signals. New Journal of Physics, 2005, 7, 214-214.	1.2	67
38	Multifractal fluctuations in seismic interspike series. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 629-640.	1.2	74
39	Fisher information measure of geoelectrical signals. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 637-644.	1.2	13
40	Seismogenic zone-dependent time-clustering behaviour in Italian seismicity. Computers and Geosciences, 2005, 31, 489-496.	2.0	1
41	Identifying features in time-occurrence sequences of volcanic eruptions. Environmetrics, 2005, 16, 181-190.	0.6	5
42	Fractal approaches in investigating the time dynamics of self-potential hourly variability. International Journal of Earth Sciences, 2005, 94, 285-300.	0.9	5
43	Analysis of Extreme Events in Geoelectrical Time Series Measured in a Seismic Area of Southern Appenine Chain (Italy). Natural Hazards, 2005, 34, 177-198.	1.6	3
44	TIME-CLUSTERING ANALYSIS OF RAINFALL FLUCTUATIONS. Fluctuation and Noise Letters, 2005, 05, L17-L25.	1.0	4
45	2D electrical resistivity imaging of some complex landslides in Lucanian Apennine chain, southern Italy. Geophysics, 2005, 70, B11-B18.	1.4	143
46	Scaling characteristics of local geomagnetic field and seismicity at Etna volcano and their dynamics in relation to the eruptive activity. Earth and Planetary Science Letters, 2005, 235, 96-106.	1.8	17
47	Fractal Methods in Self-Potential Signals Measured in Seismic Areas. , 2005, , 133-178.		4
48	Transition matrix analysis of earthquake magnitude sequences. Chaos, Solitons and Fractals, 2005, 24, 33-43.	2.5	4
49	Fluctuation analysis of the hourly time variability of volcano-magnetic signals recorded at Mt. Etna Volcano, Sicily (Italy). , 2005, 23, 1921-1921.		16
50	Detrended fluctuation analysis of the spatial variability of the temporal distribution of Southern California seismicity. Chaos, Solitons and Fractals, 2004, 21, 335-342.	2.5	27
51	Multiresolution wavelet analysis of earthquakes. Chaos, Solitons and Fractals, 2004, 22, 741-748.	2.5	124
52	Mono- and multi-fractal investigation of scaling properties in temporal patterns of seismic sequences. Chaos, Solitons and Fractals, 2004, 19, 1-15.	2.5	118
53	Investigating linear and nonlinear behaviours in time dynamics of observational seismic sequences. Chaos, Solitons and Fractals, 2004, 20, 195-203.	2.5	2
54	Fluctuation dynamics in geoelectrical data: an investigation by using multifractal detrended fluctuation analysis. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 332, 398-404.	0.9	61

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55	Multifractal features in short-term time dynamics of ULF geomagnetic field measured in Crete, Greece. Chaos, Solitons and Fractals, 2004, 21, 273-282.	2.5	13
56	Long-range correlation analysis of earthquake-related geochemical variations recorded in Central Italy. Chaos, Solitons and Fractals, 2004, 21, 491-500.	2.5	16
57	Long-range time-correlation properties of seismic sequences. Chaos, Solitons and Fractals, 2004, 21, 387-393.	2.5	16
58	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.	1.2	4
59	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.	1.2	7
60	Investigating the multifractal properties of geoelectrical signals measured in southern Italy. Physics and Chemistry of the Earth, 2004, 29, 295-303.	1.2	27
61	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.	1.2	11
62	Measuring apparent resistivity in a seismically active area of Southern Italy. Physics and Chemistry of the Earth, 2004, 29, 329-337.	1.2	5
63	Magnetic mapping, ground penetrating radar surveys and magnetic susceptibility measurements for the study of the archaeological site of Serra di Vaglio (southern Italy). Journal of Archaeological Science, 2004, 31, 633-643.	1.2	42
64	On the scaling behavior of rain event sequence recorded in Basilicata region (Southern Italy). Journal of Hydrology, 2004, 296, 234-240.	2.3	19
65	High-resolution geoelectrical tomographies in the study of Giarrossa landslide (southern Italy). Bulletin of Engineering Geology and the Environment, 2003, 62, 259-268.	1.6	107
66	Multifractal features in temporal patterns of seismicity in southern Apennine Chain (Italy). Environmetrics, 2003, 14, 719-732.	0.6	1
67	Investigating the time-clustering properties in seismicity of Umbriaâ€“Marche region (central Italy). Chaos, Solitons and Fractals, 2003, 18, 203-217.	2.5	16
68	Monofractal and multifractal characterization of geoelectrical signals measured in southern Italy. Chaos, Solitons and Fractals, 2003, 18, 385-399.	2.5	40
69	Spatial variability of the time-correlated behaviour in Italian seismicity. Earth and Planetary Science Letters, 2003, 212, 279-290.	1.8	43
70	The use of electrical resistivity tomographies in active tectonics: examples from the Tyrnavos Basin, Greece. Journal of Geodynamics, 2003, 36, 19-35.	0.7	122
71	HINTS ABOUT SITE AMPLIFICATION EFFECTS COMPARING MACROSEISMIC HAZARD ESTIMATE WITH MICROTREMOR MEASUREMENTS: THE AGRI VALLEY (ITALY) EXAMPLE. Journal of Earthquake Engineering, 2003, 7, 51-72.	1.4	8
72	ANALYSIS OF CORRELATION PROPERTIES IN GEOELECTRICAL DATA. Fractals, 2003, 11, 27-38.	1.8	1

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73	FLUCTUATION ANALYSIS OF THE HOURLY TIME VARIABILITY IN OBSERVATIONAL GEOELECTRICAL SIGNALS. Fluctuation and Noise Letters, 2002, 02, L235-L242.	1.0	6
74	FRACTAL CHARACTERIZATION OF THE TEMPORAL DISTRIBUTION OF AFTERSHOCKS ASSOCIATED WITH THE 1994MW6.7 NORTHRIDGE EARTHQUAKE. Fractals, 2002, 10, 67-76.	1.8	2
75	1/fÎ± FLUCTUATIONS OF SEISMIC SEQUENCES. Fluctuation and Noise Letters, 2002, 02, L357-L367.	1.0	13
76	1/fÎ± Fluctuations in geoelectrical signals observed in a seismic area of Southern Italy. Tectonophysics, 2002, 347, 253-268.	0.9	12
77	Monofractal and multifractal approaches in investigating scaling properties in temporal patterns of the 1983â€“2000 seismicity in the western Corinth graben, Greece. Physics of the Earth and Planetary Interiors, 2002, 131, 63-79.	0.7	45
78	Time-clustering analysis of volcanic occurrence sequences. Physics of the Earth and Planetary Interiors, 2002, 131, 47-62.	0.7	14
79	On the methods to identify clustering properties in sequences of seismic time-occurrences. Journal of Seismology, 2002, 6, 125-134.	0.6	25
80	Intermittent-type temporal fluctuations in seismicity of the Irpinia (southern Italy) Region. Geophysical Research Letters, 2001, 28, 3765-3768.	1.5	28
81	A new approach to investigate the correlation between geoelectrical time fluctuations and earthquakes in a seismic area of southern Italy. Geophysical Research Letters, 2001, 28, 4375-4378.	1.5	51
82	Depth-dependent time-clustering behaviour in seismicity of southern California. Geophysical Research Letters, 2001, 28, 4323-4326.	1.5	46
83	Statistical analysis of fractal properties of point processes modeling seismic sequences. Physics of the Earth and Planetary Interiors, 2001, 125, 65-83.	0.7	27
84	Identifying spaceâ€“time clustering properties of the 1983â€“1997 Irpiniaâ€“Basilicata (Southern Italy) seismicity. Tectonophysics, 2001, 330, 93-102.	0.9	56
85	Analysis of the temporal properties of Greek aftershock sequences. Tectonophysics, 2001, 341, 163-178.	0.9	15
86	Analysis of the time-scaling behaviour in the sequence of the aftershocks of the Bovec (Slovenia) April 12, 1998 earthquake. Physics of the Earth and Planetary Interiors, 2000, 120, 315-326.	0.7	22
87	Self-similarity properties of seismicity in the Southern Aegean area. Tectonophysics, 2000, 321, 179-188.	0.9	24
88	Stochastic behaviour and scaling laws in geoelectrical signals measured in a seismic area of southern Italy. Geophysical Journal International, 1999, 139, 889-894.	1.0	17