Salvatore Scudero

List of Publications by Year
in descending order

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32 papers	555 citations	623699 14 h-index	677123 22 g-index
32 all docs	32 docs citations	32 times ranked	689 citing authors

#	Article	IF	Citations
1	Wavelet-based filtering and prediction of soil CO2 flux: Example from Etna volcano (Italy). Journal of Volcanology and Geothermal Research, 2022, 421, 107421.	2.1	2
2	Insights on the Italian Seismic Network from location uncertainties. Journal of Seismology, 2021, 25, 1061-1076.	1.3	4
3	Spectral Characterization and Spatiotemporal Variability of the Background Seismic Noise in Italy. Earth and Space Science, 2021, 8, e2020EA001579.	2.6	4
4	A Lightweight Prototype of a Magnetometric System for Unmanned Aerial Vehicles. Sensors, 2021, 21, 4691.	3.8	10
5	MEMS-Based System for Structural Health Monitoring and Earthquake Observation in Sicily. Lecture Notes in Civil Engineering, 2021, , 89-95.	0.4	3
6	Spatial analysis for an evaluation of monitoring networks: examples from the Italian seismic and accelerometric networks. Journal of Seismology, 2020, 24, 1045-1061.	1.3	5
7	Longâ€Term Monitoring and Characterization of Soil Radon Emission in a Seismically Active Area. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009061.	2.5	9
8	Optimization of Low-Cost Monitoring Systems for On-Site Earthquake Early-Warning of Critical Infrastructures. Lecture Notes in Computer Science, 2020, , 963-975.	1.3	2
9	Stochastic Models for Radon Daily Time Series: Seasonality, Stationarity, and Long-Range Dependence Detection. Frontiers in Earth Science, 2020, 8, .	1.8	5
10	A Review of the Capacitive MEMS for Seismology. Sensors, 2019, 19, 3093.	3.8	87
11	Multiple seasonality in soil radon time series. Scientific Reports, 2019, 9, 8610.	3.3	33
12	Size distributions of fractures, dykes, and eruptions on Etna, Italy: Implications for magma-chamber volume and eruption potential. Scientific Reports, 2019, 9, 4139.	3.3	11
13	Urban Seismic Networks, Structural Health and Cultural Heritage Monitoring: The National Earthquakes Observatory (INGV, Italy) Experience. Frontiers in Built Environment, 2019, 5, .	2.3	18
14	The unstable eastern flank of Mt. Etna volcano (Italy): First results of a GNSS-based network at its southeastern edge. Journal of Volcanology and Geothermal Research, 2018, 357, 418-424.	2.1	15
15	Monitoring Earthquake through MEMS Sensors (MEMS project) in the town of Acireale (Italy). , 2018, , .		10
16	Coseismic Damage at an Archaeological Site in Sicily, Italy: Evidence of Roman Age Earthquake Surface Faulting. Surveys in Geophysics, 2018, 39, 1263-1284.	4.6	11
17	Integrated Geophysical Investigations at the Greek Kamarina Site (Southern Sicily, Italy). Surveys in Geophysics, 2018, 39, 1181-1200.	4.6	14
18	MEMS technology in seismology: A short review. , 2018, , .		20

#	Article	IF	Citations
19	Bandwidth extension of a 4.5 Hz geophone for seismic monitoring purpose. , 2018, , .		7
20	Real-time urban seismic network and structural monitoring by means of accelerometric sensors: Application to the historic buildings of Catania (Italy). , 2018, , .		5
21	Characterization of MEMS accelerometer self-noise by means of PSD and Allan Variance analysis. , 2017, , .		21
22	Brief communication: Vehicle routing problem and UAV application in the post-earthquake scenario. Natural Hazards and Earth System Sciences, 2017, 17, 1939-1946.	3.6	17
23	3D Subsoil Model of the San Biagio â€˜Salinelleâ€™ Mud Volcanoes (Belpasso, Sicily) derived from Geophysical Surveys. Surveys in Geophysics, 2016, 37, 1117-1138.	4.6	25
24	Evidence for serpentinization of the Ionian upper mantle from simultaneous inversion of P- and S-wave arrival times. Journal of Geodynamics, 2016, 102, 115-120.	1.6	13
25	Modelling the longâ€term deformation of the sedimentary substrate of Mt. Etna volcano (Italy). Terra Nova, 2015, 27, 338-345.	2.1	13
26	Geological, seismological and geodetic evidence of active thrusting and folding south of Mt. Etna (eastern Sicily): Revaluation of â€œseismic efficiencyâ€•of the Sicilian Basal Thrust. Journal of Geodynamics, 2015, 90, 32-41.	1.6	31
27	Applying geophysical techniques to investigate a segment of a creeping fault in the urban area of San Gregorio di Catania, southern flank of Mt. Etna (Sicily â€” Italy). Journal of Applied Geophysics, 2015, 123, 153-163.	2.1	20
28	New evidence for Late Quaternary deformation of the substratum of Mt. Etna volcano (Sicily, Italy): clues indicate active crustal doming. Bulletin of Volcanology, 2014, 76, 1.	3.0	23
29	Lengthâ€“displacement scaling and fault growth. Tectonophysics, 2013, 608, 1298-1309.	2.2	48
30	Regional and local stress field orientation inferred from quantitative analyses of extension joints: Case study from southern Italy. Tectonics, 2013, 32, 239-251.	2.8	20
31	Landslide susceptibility assessment in the Peloritani Mts. (Sicily, Italy) and clues for tectonic control of relief processes. Natural Hazards and Earth System Sciences, 2013, 13, 949-963.	3.6	31
32	New insights into the local crust structure of Mt. Etna volcano from seismological and morphotectonic data. Journal of Volcanology and Geothermal Research, 2012, 223-224, 83-92.	2.1	18