

Salvatore Scudero

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

555
citations

623734

14
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of the Capacitive MEMS for Seismology. <i>Sensors</i> , 2019, 19, 3093.	3.8	87
2	Lengthâ€“displacement scaling and fault growth. <i>Tectonophysics</i> , 2013, 608, 1298-1309.	2.2	48
3	Multiple seasonality in soil radon time series. <i>Scientific Reports</i> , 2019, 9, 8610.	3.3	33
4	Landslide susceptibility assessment in the Peloritani Mts. (Sicily, Italy) and clues for tectonic control of relief processes. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 949-963.	3.6	31
5	Geological, seismological and geodetic evidence of active thrusting and folding south of Mt. Etna (eastern Sicily): Reevaluation of â€œseismic efficiencyâ€“of the Sicilian Basal Thrust. <i>Journal of Geodynamics</i> , 2015, 90, 32-41.	1.6	31
6	3D Subsoil Model of the San Biagio â€“Salinelleâ€™ Mud Volcanoes (Belpasso, Sicily) derived from Geophysical Surveys. <i>Surveys in Geophysics</i> , 2016, 37, 1117-1138.	4.6	25
7	New evidence for Late Quaternary deformation of the substratum of Mt. Etna volcano (Sicily, Italy): clues indicate active crustal doming. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	23
8	Characterization of MEMS accelerometer self-noise by means of PSD and Allan Variance analysis. , 2017, , .		21
9	Regional and local stress field orientation inferred from quantitative analyses of extension joints: Case study from southern Italy. <i>Tectonics</i> , 2013, 32, 239-251.	2.8	20
10	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). <i>Journal of Applied Geophysics</i> , 2015, 123, 153-163.	2.1	20
11	MEMS technology in seismology: A short review. , 2018, , .		20
12	New insights into the local crust structure of Mt. Etna volcano from seismological and morphotectonic data. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 223-224, 83-92.	2.1	18
13	Urban Seismic Networks, Structural Health and Cultural Heritage Monitoring: The National Earthquakes Observatory (INGV, Italy) Experience. <i>Frontiers in Built Environment</i> , 2019, 5, .	2.3	18
14	Brief communication: Vehicle routing problem and UAV application in the post-earthquake scenario. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1939-1946.	3.6	17
15	The unstable eastern flank of Mt. Etna volcano (Italy): First results of a GNSS-based network at its southeastern edge. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 418-424.	2.1	15
16	Integrated Geophysical Investigations at the Greek Kamarina Site (Southern Sicily, Italy). <i>Surveys in Geophysics</i> , 2018, 39, 1181-1200.	4.6	14
17	Modelling the longâ€“term deformation of the sedimentary substrate of Mt. Etna volcano (Italy). <i>Terra Nova</i> , 2015, 27, 338-345.	2.1	13
18	Evidence for serpentinization of the Ionian upper mantle from simultaneous inversion of P- and S-wave arrival times. <i>Journal of Geodynamics</i> , 2016, 102, 115-120.	1.6	13

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19	Coseismic Damage at an Archaeological Site in Sicily, Italy: Evidence of Roman Age Earthquake Surface Faulting. <i>Surveys in Geophysics</i> , 2018, 39, 1263-1284.	4.6	11
20	Size distributions of fractures, dykes, and eruptions on Etna, Italy: Implications for magma-chamber volume and eruption potential. <i>Scientific Reports</i> , 2019, 9, 4139.	3.3	11
21	Monitoring Earthquake through MEMS Sensors (MEMS project) in the town of Acireale (Italy). , 2018, , .		10
22	A Lightweight Prototype of a Magnetometric System for Unmanned Aerial Vehicles. <i>Sensors</i> , 2021, 21, 4691.	3.8	10
23	Long-term Monitoring and Characterization of Soil Radon Emission in a Seismically Active Area. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009061.	2.5	9
24	Bandwidth extension of a 4.5 Hz geophone for seismic monitoring purpose. , 2018, , .		7
25	Real-time urban seismic network and structural monitoring by means of accelerometric sensors: Application to the historic buildings of Catania (Italy). , 2018, , .		5
26	Spatial analysis for an evaluation of monitoring networks: examples from the Italian seismic and accelerometric networks. <i>Journal of Seismology</i> , 2020, 24, 1045-1061.	1.3	5
27	Stochastic Models for Radon Daily Time Series: Seasonality, Stationarity, and Long-Range Dependence Detection. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	5
28	Insights on the Italian Seismic Network from location uncertainties. <i>Journal of Seismology</i> , 2021, 25, 1061-1076.	1.3	4
29	Spectral Characterization and Spatiotemporal Variability of the Background Seismic Noise in Italy. <i>Earth and Space Science</i> , 2021, 8, e2020EA001579.	2.6	4
30	MEMS-Based System for Structural Health Monitoring and Earthquake Observation in Sicily. <i>Lecture Notes in Civil Engineering</i> , 2021, , 89-95.	0.4	3
31	Optimization of Low-Cost Monitoring Systems for On-Site Earthquake Early-Warning of Critical Infrastructures. <i>Lecture Notes in Computer Science</i> , 2020, , 963-975.	1.3	2
32	Wavelet-based filtering and prediction of soil CO2 flux: Example from Etna volcano (Italy). <i>Journal of Volcanology and Geothermal Research</i> , 2022, 421, 107421.	2.1	2