

Antonino D'Alessandro

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

916
citations

643344

15
h-index

651938

25
g-index

63
all docs

63
docs citations

63
times ranked

1045
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Local spatial log-Gaussian Cox processes for seismic data. <i>AStA Advances in Statistical Analysis</i> , 2022, 106, 633-671. | 0.4 | 7 |
| 2 | Urban Seismic Network Based on MEMS Sensors: The Experience of the Seismic Observatory in Camerino (Marche, Italy). <i>Sensors</i> , 2022, 22, 4335. | 2.1 | 6 |
| 3 | Integrated use of unmanned aerial vehicle photogrammetry and terrestrial laser scanning to support archaeological analysis: The Acropolis of Selinunte case (Sicily, Italy). <i>Archaeological Prospection</i> , 2021, 28, 153-165. | 1.1 | 9 |
| 4 | Insights on the Italian Seismic Network from location uncertainties. <i>Journal of Seismology</i> , 2021, 25, 1061-1076. | 0.6 | 4 |
| 5 | Spectral Characterization and Spatiotemporal Variability of the Background Seismic Noise in Italy. <i>Earth and Space Science</i> , 2021, 8, e2020EA001579. | 1.1 | 4 |
| 6 | A Lightweight Prototype of a Magnetometric System for Unmanned Aerial Vehicles. <i>Sensors</i> , 2021, 21, 4691. | 2.1 | 10 |
| 7 | MEMS-Based System for Structural Health Monitoring and Earthquake Observation in Sicily. <i>Lecture Notes in Civil Engineering</i> , 2021, , 89-95. | 0.3 | 3 |
| 8 | The mud volcanoes at Santa Barbara and Aragona (Sicily, Italy): a contribution to risk assessment. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 3407-3419. | 1.5 | 8 |
| 9 | The First Very Broadband Mediterranean Network: 30 Yr of Data and Seismological Research. <i>Seismological Research Letters</i> , 2020, 91, 787-802. | 0.8 | 4 |
| 10 | 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. | 0.6 | 5 |
| 11 | Long-Term Monitoring and Characterization of Soil Radon Emission in a Seismically Active Area. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009061. | 1.0 | 9 |
| 12 | 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. | 1.0 | 2 |
| 13 | A Fast and Efficient Picking Algorithm for Earthquake Early Warning Application Based on the Variance Piecewise Constant Models. <i>Lecture Notes in Computer Science</i> , 2020, , 903-913. | 1.0 | 2 |
| 14 | Stochastic Models for Radon Daily Time Series: Seasonality, Stationarity, and Long-Range Dependence Detection. <i>Frontiers in Earth Science</i> , 2020, 8, . | 0.8 | 5 |
| 15 | A Review of the Capacitive MEMS for Seismology. <i>Sensors</i> , 2019, 19, 3093. | 2.1 | 87 |
| 16 | Multiple seasonality in soil radon time series. <i>Scientific Reports</i> , 2019, 9, 8610. | 1.6 | 33 |
| 17 | Urban Seismic Networks, Structural Health and Cultural Heritage Monitoring: The National Earthquakes Observatory (INGV, Italy) Experience. <i>Frontiers in Built Environment</i> , 2019, 5, . | 1.2 | 18 |
| 18 | Monitoring Earthquake through MEMS Sensors (MEMS project) in the town of Acireale (Italy). , 2018, , . | | 10 |

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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. | 2.1 | 11 |
| 20 | Integrated Geophysical Investigations at the Greek Kamarina Site (Southern Sicily, Italy). <i>Surveys in Geophysics</i> , 2018, 39, 1181-1200. | 2.1 | 14 |
| 21 | MEMS technology in seismology: A short review. , 2018, , . | | 20 |
| 22 | Bandwidth extension of a 4.5 Hz geophone for seismic monitoring purpose. , 2018, , . | | 7 |
| 23 | Real-time urban seismic network and structural monitoring by means of accelerometric sensors: Application to the historic buildings of Catania (Italy). , 2018, , . | | 5 |
| 24 | Seismo-stratigraphic model of "La Bandita" area in the Palermo Plain (Sicily, Italy) through HVSR inversion constrained by stratigraphic data. <i>Italian Journal of Geosciences</i> , 2018, 137, 73-86. | 0.4 | 13 |
| 25 | Contribution of HVSR measures for seismic microzonation studies. <i>Annals of Geophysics</i> , 2018, 61, . | 0.5 | 22 |
| 26 | The shallow magma chamber of Stromboli Volcano (Italy). <i>Geophysical Research Letters</i> , 2017, 44, 6589-6596. | 1.5 | 26 |
| 27 | Assessment of a geological model by surface wave analyses. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 159-172. | 0.7 | 14 |
| 28 | Comparison of different sets of array configurations for multichannel 2D ERT acquisition. <i>Journal of Applied Geophysics</i> , 2017, 137, 34-48. | 0.9 | 39 |
| 29 | Spatial pattern analysis using hybrid models: an application to the Hellenic seismicity. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1633-1648. | 1.9 | 15 |
| 30 | Mechanical aspects in a tide gauge station design. , 2017, , . | | 0 |
| 31 | Characterization of MEMS accelerometer self-noise by means of PSD and Allan Variance analysis. , 2017, , . | | 21 |
| 32 | Low-cost underwater navigation systems by multi-pressure measurements and AHRS data. , 2017, , . | | 2 |
| 33 | Micro-ROV instrumental customization and canister design under pressure. , 2017, , . | | 0 |
| 34 | 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. | 1.5 | 17 |
| 35 | A Low Cost Customizable Micro-ROV for Environmental Research - Applications, Advances and Challenges. , 2016, , . | | 3 |
| 36 | Evidence for serpentinitization of the Ionian upper mantle from simultaneous inversion of P- and S-wave arrival times. <i>Journal of Geodynamics</i> , 2016, 102, 115-120. | 0.7 | 13 |

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|----|---|------|-----------|
| 37 | Selection of Time Windows in the Horizontal to Vertical Noise Spectral Ratio by Means of Cluster Analysis. Bulletin of the Seismological Society of America, 2016, 106, 560-574. | 1.1 | 21 |
| 38 | Tiny Accelerometers Create Europe's First Urban Seismic Network. Eos, 2016, 97, . | 0.1 | 9 |
| 39 | Exploring the submarine Graham Bank in the Sicily Channel. Annals of Geophysics, 2016, 59, . | 0.5 | 10 |
| 40 | The marine activities performed within the TOMO-ETNA experiment. Annals of Geophysics, 2016, 59, . | 0.5 | 10 |
| 41 | SISMIKO: emergency network deployment and data sharing for the 2016 central Italy seismic sequence. Annals of Geophysics, 2016, 59, . | 0.5 | 19 |
| 42 | Drones - New Technologies for Geophysics?. , 2015, , . | | 2 |
| 43 | Cluster Analysis to Support Microzonation Studies. , 2015, , . | | 3 |
| 44 | Study of the seismicity temporal variation for the current seismic hazard evaluation in Val d'Agri, Italy. Natural Hazards and Earth System Sciences, 2014, 14, 3169-3174. | 1.5 | 2 |
| 45 | Integration of onshore and offshore seismic arrays to study the seismicity of the Calabrian Region: a two steps automatic procedure for the identification of the best stations geometry. Advances in Geosciences, 2014, 36, 69-75. | 12.0 | 2 |
| 46 | Time-Frequency Filtering for Seismic Waves Clustering. Studies in Classification, Data Analysis, and Knowledge Organization, 2014, , 1-9. | 0.1 | 0 |
| 47 | Location Performance and Detection Threshold of the Spanish National Seismic Network. Pure and Applied Geophysics, 2013, 170, 1859-1880. | 0.8 | 19 |
| 48 | Waveforms clustering and single-station location of microearthquake multiplets recorded in the northern Sicilian offshore region. Geophysical Journal International, 2013, 194, 1789-1809. | 1.0 | 18 |
| 49 | Suitability of Low-Cost Three-Axis MEMS Accelerometers in Strong-Motion Seismology: Tests on the LIS331DLH (iPhone) Accelerometer. Bulletin of the Seismological Society of America, 2013, 103, 2906-2913. | 1.1 | 42 |
| 50 | Montana Seismic Network Performance: An Evaluation through the SNES Method. Bulletin of the Seismological Society of America, 2012, 102, 73-87. | 1.1 | 18 |
| 51 | Evaluation of Location Performance and Magnitude of Completeness of the Alaska Regional Seismic Network by the SNES Method. Bulletin of the Seismological Society of America, 2012, 102, 2098-2115. | 1.1 | 19 |
| 52 | Location Performance and Detection Magnitude Threshold of the Romanian National Seismic Network. Pure and Applied Geophysics, 2012, 169, 2149-2164. | 0.8 | 17 |
| 53 | Simultaneous seismic wave clustering and registration. Computers and Geosciences, 2012, 44, 60-69. | 2.0 | 26 |
| 54 | Evidence of persistent seismo-volcanic activity at Marsili seamount. Annals of Geophysics, 2012, 55, . | 0.5 | 8 |

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|----|--|------|-----------|
| 55 | Seismic Network Evaluation through Simulation: An Application to the Italian National Seismic Network. Bulletin of the Seismological Society of America, 2011, 101, 1213-1232. | 1.1 | 51 |
| 56 | Hellenic Unified Seismological Network: an evaluation of its performance through SNES method. Geophysical Journal International, 2011, 185, 1417-1430. | 1.0 | 46 |
| 57 | Long term underwater monitoring of seismic areas: Design of an Ocean Bottom Seismometer with Hydrophone and its performance evaluation. , 2011, , . | | 17 |
| 58 | The INGV's new OBS/H: Analysis of the signals recorded at the Marsili submarine volcano. Journal of Volcanology and Geothermal Research, 2009, 183, 17-29. | 0.8 | 33 |
| 59 | Evolution and strengthening of the Calabrian Regional Seismic Network. Advances in Geosciences, 0, 36, 11-16. | 12.0 | 8 |
| 60 | Planning the improvement of a seismic network for monitoring active volcanic areas: the experience on Mt. Etna. Advances in Geosciences, 0, 36, 39-47. | 12.0 | 5 |
| 61 | Urban MEMS based seismic network for post-earthquakes rapid disaster assessment. Advances in Geosciences, 0, 40, 1-9. | 12.0 | 30 |
| 62 | Retrieval of Ocean Bottom and Downhole Seismic sensors orientation using integrated MEMS gyroscope and direct rotation measurements. Advances in Geosciences, 0, 40, 11-17. | 12.0 | 10 |
| 63 | A new picking algorithm based on the variance piecewise constant models. Stochastic Environmental Research and Risk Assessment, 0, , 1. | 1.9 | 3 |