# Angelo De Santis

List of Publications by Year
in descending order

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|---|---|---|---|
| 102 papers | 2,518 citations | 186265 28 h-index | 243625 44 g-index |
| 138 all docs | 138 docs citations | 138 times ranked | 1735 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structure, Materials and Processes in the Earthâ€™s Core and Mantle. Surveys in Geophysics, 2022, 43, 263-302. | 4.6 | 10 |
| 2 | Swarm-TEC Satellite Measurements as a Potential Earthquake Precursor Together With Other Swarm and CSES Data: The Case of Mw7.6 2019 Papua New Guinea Seismic Event. Frontiers in Earth Science, 2022, 10, . | 1.8 | 16 |
| 3 | Developing a Deep Learning-Based Detector of Magnetic, Ne, Te and TEC Anomalies from Swarm Satellites: The Case of Mw 7.1 2021 Japan Earthquake. Remote Sensing, 2022, 14, 1582. | 4.0 | 14 |
| 4 | Worldwide Statistical Correlation of Eight Years of Swarm Satellite Data with M5.5+ Earthquakes: New Hints about the Preseismic Phenomena from Space. Remote Sensing, 2022, 14, 2649. | 4.0 | 24 |
| 5 | Is the Apparent Correlation between Solar-Geomagnetic Activity and Occurrence of Powerful Earthquakes a Casual Artifact?. Atmosphere, 2022, 13, 1131. | 2.3 | 7 |
| 6 | South Atlantic Anomaly Areal Extent as a Possible Indicator of Geomagnetic Jerks in the Satellite Era. Frontiers in Earth Science, 2021, 8, . | 1.8 | 4 |
| 7 | Integrating Pre-Earthquake Signatures From Different Precursor Tools. IEEE Access, 2021, 9, 33268-33283. | 4.2 | 33 |
| 8 | Ionospheric Response Over Brazil to the August 2018 Geomagnetic Storm as Probed by CSESâ€01 and Swarm Satellites and by Local Groundâ€Based Observations. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028368. | 2.4 | 45 |
| 9 | Characteristic periods of the paleosecular variation of the Earth's magnetic field during the Holocene from global paleoreconstructions. Physics of the Earth and Planetary Interiors, 2021, 312, 106656. | 1.9 | 5 |
| 10 | Initial scalar lithospheric magnetic anomaly map of China and surrounding regions derived from CSES satellite data. Science China Technological Sciences, 2021, 64, 1118-1126. | 4.0 | 5 |
| 11 | Pre-Earthquake Ionospheric Perturbation Identification Using CSES Data via Transfer Learning. Frontiers in Environmental Science, 2021, 9, . | 3.3 | 11 |
| 12 | SafeNet: SwArm for Earthquake Perturbations Identification Using Deep Learning Networks. Remote Sensing, 2021, 13, 5033. | 4.0 | 10 |
| 13 | Editorial of Special Issue â€œDetecting Geospace Perturbations Caused by Earthâ€. Geosciences (Switzerland), 2021, 11, 496. | 2.2 | 0 |
| 14 | Magnetic Field and Electron Density Anomalies from Swarm Satellites Preceding the Major Earthquakes of the 2016â€“2017 Amatrice-Norcia (Central Italy) Seismic Sequence. Pure and Applied Geophysics, 2020, 177, 305-319. | 1.9 | 31 |
| 15 | Possible Lithosphere-Atmosphere-Ionosphere Coupling effects prior to the 2018 Mwâ€¯=â€¯7.5 Indonesia earthquake from seismic, atmospheric and ionospheric data. Journal of Asian Earth Sciences, 2020, 188, 104097. | 2.3 | 57 |
| 16 | Ionosonde Data Analysis in Relation to the 2016 Central Italian Earthquakes. Geosciences (Switzerland), 2020, 10, 354. | 2.2 | 6 |
| 17 | A Multiparametric Approach to Study the Preparation Phase of the 2019 M7.1 Ridgecrest (California,) Tj ETQq1 1 0.784314 rgBT /Ove | 1.8 | 31 |
| 18 | The First Pi2 Pulsation Observed by China Seismo-Electromagnetic Satellite. Remote Sensing, 2020, 12, 2300. | 4.0 | 7 |

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| 19 | Swarm Satellite Magnetic Field Data Analysis Prior to 2019 Mw = 7.1 Ridgecrest (California, USA) Earthquake. Geosciences (Switzerland), 2020, 10, 502. | 2.2 | 11 |
| 20 | Multi-Parametric Climatological Analysis Reveals the Involvement of Fluids in the Preparation Phase of the 2008 Ms 8.0 Wenchuan and 2013 Ms 7.0 Lushan Earthquakes. Remote Sensing, 2020, 12, 1663. | 4.0 | 11 |
| 21 | Revised Accelerated Moment Release Under Test: Fourteen Worldwide Real Case Studies in 2014â€“2018 and Simulations. Pure and Applied Geophysics, 2020, 177, 4057-4087. | 1.9 | 13 |
| 22 | Co-Seismic Magnetic Field Perturbations Detected by Swarm Three-Satellite Constellation. Remote Sensing, 2020, 12, 1166. | 4.0 | 12 |
| 23 | Magnetic Field and Electron Density Data Analysis from Swarm Satellites Searching for Ionospheric Effects by Great Earthquakes: 12 Case Studies from 2014 to 2016. Atmosphere, 2019, 10, 371. | 2.3 | 46 |
| 24 | Geosystemics View of Earthquakes. Entropy, 2019, 21, 412. | 2.2 | 29 |
| 25 | Pre-earthquake chain processes detected from ground to satellite altitude in preparation of the 2016â€“2017 seismic sequence in Central Italy. Remote Sensing of Environment, 2019, 229, 93-99. | 11.0 | 37 |
| 26 | Anomalous seismo-LAI variations potentially associated with the 2017 Mwâ€¯=â€¯7.3 Sarpol-e Zahab (Iran) earthquake from Swarm satellites, GPS-TEC and climatological data. Advances in Space Research, 2019, 64, 143-158. | 2.6 | 43 |
| 27 | Multi-Parametric Climatological Analysis Associated with Global Significant Volcanic Eruptions During 2002â€“2017. Pure and Applied Geophysics, 2019, 176, 3629-3647. | 1.9 | 19 |
| 28 | Precursory worldwide signatures of earthquake occurrences on Swarm satellite data. Scientific Reports, 2019, 9, 20287. | 3.3 | 85 |
| 29 | Multi precursors analysis associated with the powerful Ecuador (MW= 7.8) earthquake of 16 April 2016 using Swarm satellites data in conjunction with other multi-platform satellite and ground data. Advances in Space Research, 2018, 61, 248-263. | 2.6 | 64 |
| 30 | New perspectives in the study of the Earthâ€™s magnetic field and climate connection: The use of transfer entropy. PLoS ONE, 2018, 13, e0207270. | 2.5 | 22 |
| 31 | Statistical analysis of the oceanic magnetic anomaly data. Physics of the Earth and Planetary Interiors, 2018, 284, 28-35. | 1.9 | 2 |
| 32 | Ionospheric anomalies detected by ionosonde and possibly related to crustal earthquakes in Greece. Annales Geophysicae, 2018, 36, 361-371. | 1.6 | 19 |
| 33 | Potential earthquake precursory pattern from space: The 2015 Nepal event as seen by magnetic Swarm satellites. Earth and Planetary Science Letters, 2017, 461, 119-126. | 4.4 | 73 |
| 34 | A Multi-parametric Climatological Approach to Study the 2016 Amatriceâ€“Norcia (Central Italy) Earthquake Preparatory Phase. Pure and Applied Geophysics, 2017, 174, 3673-3688. | 1.9 | 41 |
| 35 | Long-term variations of the upper atmosphere parameters on Rome ionosonde observations and their interpretation. Journal of Space Weather and Space Climate, 2017, 7, A21. | 3.3 | 7 |
| 36 | Geosphere coupling and hydrothermal anomalies before the 2009 <i>M</i><sub>w</sub>Â6.3 L'Aquila earthquake in Italy. Natural Hazards and Earth System Sciences, 2016, 16, 1859-1880. | 3.6 | 34 |

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| 37 | The South Atlantic Anomaly: The Key for a Possible Geomagnetic Reversal. Frontiers in Earth Science, 2016, 4, . | 1.8 | 67 |
| 38 | Observing Volcanoes from the Seafloor in the Central Mediterranean Area. Remote Sensing, 2016, 8, 298. | 4.0 | 8 |
| 39 | Insights into pre-reversal paleosecular variation from stochastic models. Frontiers in Earth Science, 2015, 3, . | 1.8 | 3 |
| 40 | Geospace perturbations induced by the Earth: The state of the art and future trends. Physics and Chemistry of the Earth, 2015, 85-86, 17-33. | 2.9 | 56 |
| 41 | Geosystemics: A Systemic View of the Earthâ€™s Magnetic Field and the Possibilities for an Imminent Geomagnetic Transition. Pure and Applied Geophysics, 2015, 172, 75-89. | 1.9 | 6 |
| 42 | Using â€œdominoâ€•model to study the secular variation of the geomagnetic dipolar moment. Physics of the Earth and Planetary Interiors, 2015, 242, 9-23. | 1.9 | 6 |
| 43 | Accelerating moment release revisited: Examples of application to Italian seismic sequences. Tectonophysics, 2015, 639, 82-98. | 2.2 | 22 |
| 44 | The Marsili Volcanic Seamount (Southern Tyrrhenian Sea): A Potential Offshore Geothermal Resource. Energies, 2014, 7, 4068-4086. | 3.1 | 19 |
| 45 | A geomagnetic field model for the Holocene based on archaeomagnetic and lava flow data. Earth and Planetary Science Letters, 2014, 388, 98-109. | 4.4 | 280 |
| 46 | Underwater geophysical monitoring for European Multidisciplinary Seafloor and water column Observatories. Journal of Marine Systems, 2014, 130, 12-30. | 2.1 | 28 |
| 47 | Magnetoreception: an unavoidable step for plant evolution?. Trends in Plant Science, 2014, 19, 1-4. | 8.8 | 51 |
| 48 | Is there a one-to-one correspondence between ionospheric anomalies and large earthquakes along Longmenshan faults?. Annales Geophysicae, 2014, 32, 187-196. | 1.6 | 19 |
| 49 | Geosystemics, Entropy and Criticality of Earthquakes: A Vision of Our Planet and a Key of Access. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 3-20. | 0.2 | 4 |
| 50 | A few earthquake conundrums resolved. Journal of Asian Earth Sciences, 2013, 62, 501-509. | 2.3 | 14 |
| 51 | Antarctic geomagnetic reference model updated to 2010 and provisionally to 2012. Tectonophysics, 2013, 585, 13-25. | 2.2 | 4 |
| 52 | Geomagnetic jerks as chaotic fluctuations of the Earth's magnetic field. Geochemistry, Geophysics, Geosystems, 2013, 14, 839-850. | 2.5 | 20 |
| 53 | NEMO-SN1 Abyssal Cabled Observatory in the Western Ionian Sea. IEEE Journal of Oceanic Engineering, 2013, 38, 358-374. | 3.8 | 45 |
| 54 | Toward a possible next geomagnetic transition?. Natural Hazards and Earth System Sciences, 2013, 13, 3395-3403. | 3.6 | 24 |

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| 55 | Repeat-station surveys: implications from chaos and ergodicity of the recent geomagnetic field. Annals of Geophysics, 2013, 56, . | 1.0 | 2 |
| 56 | Geomagnetic jerks characterization via spectral analysis. Solid Earth, 2012, 3, 131-148. | 2.8 | 10 |
| 57 | Power-law frequency distribution of H/V spectral ratio of seismic signals: Evidence for a critical crust. Earth, Planets and Space, 2012, 64, 49-54. | 2.5 | 3 |
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| 59 | Magnetic transfer function entropy and the 2009 <i>M</i><sub>w</sub> = 6.3 L'Aquila earthquake (Central Italy). Nonlinear Processes in Geophysics, 2012, 19, 401-409. | 1.3 | 7 |
| 60 | Geomagnetic South Atlantic Anomaly and global sea level rise: A direct connection?. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 74, 129-135. | 1.6 | 16 |
| 61 | Ergodicity of the recent geomagnetic field. Physics of the Earth and Planetary Interiors, 2011, 186, 103-110. | 1.9 | 10 |
| 62 | The Gutenberg-Richter Law and Entropy of Earthquakes: Two Case Studies in Central Italy. Bulletin of the Seismological Society of America, 2011, 101, 1386-1395. | 2.3 | 85 |
| 63 | The Role of Geomagnetic Cues in Green Turtle Open Sea Navigation. PLoS ONE, 2011, 6, e26672. | 2.5 | 31 |
| 64 | Surface latent heat flux anomalies before the M S 7.1 New Zealand earthquake 2010. Science Bulletin, 2011, 56, 3273. | 1.7 | 23 |
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| 66 | The 2009 L'Aquila (Central Italy) seismic sequence as a chaotic process. Tectonophysics, 2010, 496, 44-52. | 2.2 | 38 |
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| 68 | Two geomagnetic regional models for Albania and south-east Italy from 1990 to 2010 with prediction to 2012 and comparison with IGRF-11. Earth, Planets and Space, 2010, 62, 833-841. | 2.5 | 6 |
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| 72 | New model alternatives for improving the representation of the core magnetic field of Antarctica. Antarctic Science, 2006, 18, 101-109. | 0.9 | 18 |

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| 73 | Information content and K-entropy of the present geomagnetic field. Earth and Planetary Science Letters, 2004, 218, 269-275. | 4.4 | 22 |
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| 80 | Geomagnetic depth sounding in the Northern Apennines (Italy). Earth, Planets and Space, 2001, 53, 385-396. | 2.5 | 14 |
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| 83 | Inherent powerâ€law behavior of magnetic field power spectra from a Spector and Grant ensemble. Geophysics, 1997, 62, 1143-1150. | 2.6 | 132 |
| 84 | A direct divider method for self-affine fractal profiles and surfaces. Geophysical Research Letters, 1997, 24, 2099-2102. | 4.0 | 7 |
| 85 | Some possible evidence for a chaotic geomagnetic field from observational data. Physics of the Earth and Planetary Interiors, 1997, 99, 207-220. | 1.9 | 22 |
| 86 | SHA vs. SCHA for Modelling Secular Variation in a Small Region Such as Italy. Journal of Geomagnetism and Geoelectricity, 1997, 49, 359-371. | 0.9 | 11 |
| 87 | A Fractal Interpretation of the Topography of the Geomagnetic Scalar Potential at the Core-mantle Boundary. Pure and Applied Geophysics, 1997, 149, 747-759. | 1.9 | 7 |
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| 91 | A simple approach to the transformation of spherical harmonic models under coordinate system rotation. Geophysical Journal International, 1996, 126, 263-270. | 2.4 | 12 |
| 92 | Regional spherical modeling of 2-D functions: The case of the critical frequency of the F2 ionospheric layer. Computers and Geosciences, 1994, 20, 849-871. | 4.2 | 10 |
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| 94 | A Geomagnetic Reference Field for Spain at 1990.. Journal of Geomagnetism and Geoelectricity, 1993, 45, 573-588. | 0.9 | 12 |
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