

Silvia Becagli

List of Publications by Year in descending order

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135
papers

6,390
citations

81743

39
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79541

73
g-index

179
all docs

179
docs citations

179
times ranked

6126
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006, 444, 195-198. | 13.7 | 1,111 |
| 2 | Southern Ocean sea-ice extent, productivity and iron flux over the past eight glacial cycles. <i>Nature</i> , 2006, 440, 491-496. | 13.7 | 482 |
| 3 | AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five southern European cities. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3289-3309. | 1.9 | 267 |
| 4 | Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica. <i>Earth and Planetary Science Letters</i> , 2007, 260, 340-354. | 1.8 | 193 |
| 5 | Changes in environment over the last 800,000 years from chemical analysis of the EPICA Dome C ice core. <i>Quaternary Science Reviews</i> , 2010, 29, 285-295. | 1.4 | 183 |
| 6 | Evidence for heavy fuel oil combustion aerosols from chemical analyses at the island of Lampedusa: a possible large role of ships emissions in the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3479-3492. | 1.9 | 135 |
| 7 | New estimations of precipitation and surface sublimation in East Antarctica from snow accumulation measurements. <i>Climate Dynamics</i> , 2004, 23, 803-813. | 1.7 | 117 |
| 8 | Spatial and temporal variability of snow accumulation in East Antarctica from traverse data. <i>Journal of Glaciology</i> , 2005, 51, 113-124. | 1.1 | 113 |
| 9 | Holocene volcanic history as recorded in the sulfate stratigraphy of the European Project for Ice Coring in Antarctica Dome C (EDC96) ice core. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a. | 3.3 | 102 |
| 10 | The impact of long-range-transport on PM1 and PM2.5 at a Central Mediterranean site. <i>Atmospheric Environment</i> , 2013, 71, 176-186. | 1.9 | 101 |
| 11 | Arctic sea ice melt leads to atmospheric new particle formation. <i>Scientific Reports</i> , 2017, 7, 3318. | 1.6 | 101 |
| 12 | Sea spray aerosol in central Antarctica. Present atmospheric behaviour and implications for paleoclimatic reconstructions. <i>Atmospheric Environment</i> , 2012, 52, 109-120. | 1.9 | 97 |
| 13 | A review of Holocene solar-linked climatic variation on centennial to millennial timescales: Physical processes, interpretative frameworks and a new multiple cross-wavelet transform algorithm. <i>Earth-Science Reviews</i> , 2014, 134, 1-15. | 4.0 | 97 |
| 14 | Snow chemistry across Antarctica. <i>Annals of Glaciology</i> , 2005, 41, 167-179. | 2.8 | 90 |
| 15 | Annual variability of ice-nucleating particle concentrations at different Arctic locations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5293-5311. | 1.9 | 86 |
| 16 | Saharan dust aerosol over the central Mediterranean Sea: PM ₁₀ ; chemical composition and concentration versus optical columnar measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2039-2054. | 1.9 | 85 |
| 17 | Seasonality of sulfur species (dimethyl sulfide, sulfate, and methanesulfonate) in Antarctica: Inland versus coastal regions. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 81 |
| 18 | Saharan dust impact in central Italy: An overview on three years elemental data records. <i>Atmospheric Environment</i> , 2012, 60, 444-452. | 1.9 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Synchronisation of the EDML and EDC ice cores for the last 52 kyr by volcanic signature matching. <i>Climate of the Past</i> , 2007, 3, 367-374. | 1.3 | 73 |
| 20 | A synthesis of the Antarctic surface mass balance during the last 800 yr. <i>Cryosphere</i> , 2013, 7, 303-319. | 1.5 | 68 |
| 21 | Relationships linking primary production, sea ice melting, and biogenic aerosol in the Arctic. <i>Atmospheric Environment</i> , 2016, 136, 1-15. | 1.9 | 66 |
| 22 | Sulfate source apportionment in the Ny-Ålesund (Svalbard Islands) Arctic aerosol. <i>Rendiconti Lincei</i> , 2016, 27, 85-94. | 1.0 | 66 |
| 23 | An improved flow analysis-ion chromatography method for determination of cationic and anionic species at trace levels in Antarctic ice cores. <i>Analytica Chimica Acta</i> , 2007, 603, 190-198. | 2.6 | 62 |
| 24 | Vertical profiles of aerosol and black carbon in the Arctic: a seasonal phenomenology along 2 years (2011-2012) of field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12601-12629. | 1.9 | 62 |
| 25 | Sea-spray deposition in Antarctic coastal and plateau areas from ITASE traverses. <i>Annals of Glaciology</i> , 2005, 41, 32-40. | 2.8 | 61 |
| 26 | Atmosphere-snow interaction by a comparison between aerosol and uppermost snow-layers composition at Dome C, East Antarctica. <i>Annals of Glaciology</i> , 2004, 39, 53-61. | 2.8 | 60 |
| 27 | MBAS (Methylene Blue Active Substances) and LAS (Linear Alkylbenzene Sulphonates) in Mediterranean coastal aerosols: Sources and transport processes. <i>Atmospheric Environment</i> , 2011, 45, 6788-6801. | 1.9 | 59 |
| 28 | Constraining the ship contribution to the aerosol of the central Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2067-2084. | 1.9 | 59 |
| 29 | Holocene electrical and chemical measurements from the EPICA-Dome C ice core. <i>Annals of Glaciology</i> , 2000, 30, 20-26. | 2.8 | 57 |
| 30 | Volcanic eruption frequency over the last 45 ky as recorded in Epica-Dome C ice core (East Antarctica) and its relationship with climatic changes. <i>Global and Planetary Change</i> , 2004, 42, 195-205. | 1.6 | 54 |
| 31 | Biomass burning contributions estimated by synergistic coupling of daily and hourly aerosol composition records. <i>Science of the Total Environment</i> , 2015, 511, 11-20. | 3.9 | 53 |
| 32 | Volcanic synchronisation of the EPICA-DC and TALDICE ice cores for the last 42 kyr BP. <i>Climate of the Past</i> , 2012, 8, 509-517. | 1.3 | 51 |
| 33 | Nitrate in Polar Ice: A New Tracer of Solar Variability. <i>Solar Physics</i> , 2012, 280, 237-254. | 1.0 | 47 |
| 34 | Characterization of PM ₁₀ sources in the central Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13939-13955. | 1.9 | 47 |
| 35 | Analysis of the chemical composition of ultrafine particles from two domestic solid biomass fired room heaters under simulated real-world use. <i>Atmospheric Environment</i> , 2017, 150, 87-97. | 1.9 | 45 |
| 36 | Chemical and isotopic snow variability along the 1998 ITASE traverse from Terra Nova Bay to Dome C, East Antarctica. <i>Annals of Glaciology</i> , 2002, 35, 187-194. | 2.8 | 44 |

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|----|---|-----|-----------|
| 37 | PM10 oxidative potential at a Central Mediterranean Site: Association with chemical composition and meteorological parameters. <i>Atmospheric Environment</i> , 2018, 188, 97-111. | 1.9 | 44 |
| 38 | Stratigraphic correlations between the European Project for Ice Coring in Antarctica (EPICA) Dome C and Vostok ice cores showing the relative variations of snow accumulation over the past 45 kyr. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 43 |
| 39 | Snow accumulation rates in northern Victoria Land, Antarctica, by firn-core analysis. <i>Journal of Glaciology</i> , 2000, 46, 541-552. | 1.1 | 42 |
| 40 | Chemical composition and physical features of summer aerosol at Terra Nova Bay and Dome C, Antarctica. <i>Journal of Environmental Monitoring</i> , 2005, 7, 1265. | 2.1 | 42 |
| 41 | Chemical and isotopic snow variability in East Antarctica along the 2001/02 ITASE traverse. <i>Annals of Glaciology</i> , 2004, 39, 473-482. | 2.8 | 40 |
| 42 | The June 2007 Saharan dust event in the central Mediterranean: Observations and radiative effects in marine, urban, and sub-urban environments. <i>Atmospheric Environment</i> , 2011, 45, 5385-5393. | 1.9 | 38 |
| 43 | Aerosol optical properties in the Arctic: The role of aerosol chemistry and dust composition in a closure experiment between Lidar and tethered balloon vertical profiles. <i>Science of the Total Environment</i> , 2019, 686, 452-467. | 3.9 | 38 |
| 44 | Study of present-day sources and transport processes affecting oxidised sulphur compounds in atmospheric aerosols at Dome C (Antarctica) from year-round sampling campaigns. <i>Atmospheric Environment</i> , 2012, 52, 98-108. | 1.9 | 37 |
| 45 | Methanesulphonic acid (MSA) stratigraphy from a Talos Dome ice core as a tool in depicting sea ice changes and southern atmospheric circulation over the previous 140 years. <i>Atmospheric Environment</i> , 2009, 43, 1051-1058. | 1.9 | 35 |
| 46 | Ecotoxicity, genotoxicity, and oxidative potential tests of atmospheric PM10 particles. <i>Atmospheric Environment</i> , 2020, 221, 117085. | 1.9 | 35 |
| 47 | On the radiative impact of aerosols on photolysis rates: comparison of simulations and observations in the Lampedusa island during the ChArMEx/ADRIMED campaign. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1219-1244. | 1.9 | 34 |
| 48 | High-resolution fast ion chromatography (FIC) measurements of chloride, nitrate and sulphate along the EPICA Dome C ice core. <i>Annals of Glaciology</i> , 2002, 35, 291-298. | 2.8 | 33 |
| 49 | The chemical composition of ultrafine particles and associated biological effects at an alpine town impacted by wood burning. <i>Science of the Total Environment</i> , 2017, 587-588, 223-231. | 3.9 | 33 |
| 50 | Morphochemical characteristics and mixing state of long range transported wildfire particles at Ny-Å...lesund (Svalbard Islands). <i>Atmospheric Environment</i> , 2017, 156, 135-145. | 1.9 | 32 |
| 51 | Influence of Biogenic Organics on the Chemical Composition of Arctic Aerosols. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1238-1250. | 1.9 | 32 |
| 52 | Equal abundance of summertime natural and wintertime anthropogenic Arctic organic aerosols. <i>Nature Geoscience</i> , 2022, 15, 196-202. | 5.4 | 31 |
| 53 | Spatial and temporal distribution of environmental markers from Coastal to Plateau areas in Antarctica by firn core chemical analysis. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 457-470. | 1.8 | 30 |
| 54 | Sulfate Spikes in the Deep Layers of EPICA-Dome C Ice Core: Evidence of Glaciological Artifacts. <i>Environmental Science & Technology</i> , 2009, 43, 8737-8743. | 4.6 | 30 |

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|----|---|-----|-----------|
| 55 | Relationship between methanesulfonate (MS ⁺) in atmospheric particulate and remotely sensed phytoplankton activity in oligo-mesotrophic central Mediterranean Sea. <i>Atmospheric Environment</i> , 2013, 79, 681-688. | 1.9 | 29 |
| 56 | A comparison between PIXE and ICP-AES measurements of metals in aerosol particulate collected in urban and marine sites in Italy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 318, 130-134. | 0.6 | 29 |
| 57 | Vertical Profiles and Chemical Properties of Aerosol Particles upon Ny-Ålesund (Svalbard Islands). <i>Advances in Meteorology</i> , 2015, 2015, 1-11. | 0.6 | 29 |
| 58 | Source assessment of atmospheric lead measured at Ny-Ålesund, Svalbard. <i>Atmospheric Environment</i> , 2015, 113, 20-26. | 1.9 | 29 |
| 59 | Size distribution and ion composition of aerosol collected at Ny-Ålesund in the spring-summer field campaign 2013. <i>Rendiconti Lincei</i> , 2016, 27, 47-58. | 1.0 | 29 |
| 60 | Chemical Composition of Aerosol over the Arctic Ocean from Summer Arctic Expedition (AREX) 2011-2012 Cruises: Ions, Amines, Elemental Carbon, Organic Matter, Polycyclic Aromatic Hydrocarbons, n-Alkanes, Metals, and Rare Earth Elements. <i>Atmosphere</i> , 2019, 10, 54. | 1.0 | 29 |
| 61 | Source identification and temporal evolution of trace elements in PM10 collected near to Ny-Ålesund (Norwegian Arctic). <i>Atmospheric Environment</i> , 2019, 203, 153-165. | 1.9 | 28 |
| 62 | Study of Dome C site (East Antarctica) variability by comparing chemical stratigraphies. <i>Microchemical Journal</i> , 2009, 92, 7-14. | 2.3 | 27 |
| 63 | Local vs. long-range sources of aerosol particles upon Ny-Ålesund (Svalbard Islands): mineral chemistry and geochemical records. <i>Rendiconti Lincei</i> , 2016, 27, 115-127. | 1.0 | 27 |
| 64 | Simultaneous measurements of aerosol size distributions at three sites in the European high Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7377-7395. | 1.9 | 26 |
| 65 | Sea-spray and marine biogenic seasonal contribution to snow composition at Terra Nova Bay, Antarctica. <i>Annals of Glaciology</i> , 1999, 29, 77-83. | 2.8 | 25 |
| 66 | Chemical composition of PM1 and PM2.5 at a suburban site in southern Italy. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 127-150. | 1.8 | 25 |
| 67 | Airborne bacteria structure and chemical composition relationships in winter and spring PM10 samples over southeastern Italy. <i>Science of the Total Environment</i> , 2020, 730, 138899. | 3.9 | 25 |
| 68 | Ultrafine particles (UFPs) from domestic wood stoves: genotoxicity in human lung carcinoma A549 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 820, 39-46. | 0.9 | 24 |
| 69 | Prominent features in isotopic, chemical and dust stratigraphies from coastal East Antarctic ice sheet (Eastern Wilkes Land). <i>Chemosphere</i> , 2017, 176, 273-287. | 4.2 | 24 |
| 70 | Insights on wood combustion generated proinflammatory ultrafine particles (UFP). <i>Toxicology Letters</i> , 2017, 266, 74-84. | 0.4 | 24 |
| 71 | Atmospheric deposition of organic matter at a remote site in the central Mediterranean Sea: implications for the marine ecosystem. <i>Biogeosciences</i> , 2020, 17, 3669-3684. | 1.3 | 24 |
| 72 | Spatial distribution of biogenic sulphur compounds (MSA, nssSO ₄ ²⁻) in the northern Victoria Land-Wilkes Land area, East Antarctica. <i>Annals of Glaciology</i> , 2005, 41, 23-31. | 2.8 | 22 |

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|----|---|-----|-----------|
| 73 | 2014 iAREA campaign on aerosol in Spitsbergen – Part 2: Optical properties from Raman-lidar and in-situ observations at Ny-Ålesund. <i>Atmospheric Environment</i> , 2016, 141, 1-19. | 1.9 | 22 |
| 74 | Thirty years of snow deposition at Talos Dome (Northern Victoria Land, East Antarctica): Chemical profiles and climatic implications. <i>Microchemical Journal</i> , 2009, 92, 15-20. | 2.3 | 21 |
| 75 | New particle formation events observed at the King Sejong Station, Antarctic Peninsula – Part 2: Link with the oceanic biological activities. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7595-7608. | 1.9 | 21 |
| 76 | Dimethyl Sulfide-Induced Increase in Cloud Condensation Nuclei in the Arctic Atmosphere. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006969. | 1.9 | 20 |
| 77 | Sea-salt aerosol forecasts compared with daily measurements at the island of Lampedusa (Central Tyrrhenian Sea). <i>Journal of Geophysical Research</i> , 2019, 124, 11843-11857. | 1.8 | 19 |
| 78 | Insights on nitrate sources at Dome C (East Antarctic Plateau) from multi-year aerosol and snow records. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 66, 22550. | 0.8 | 19 |
| 79 | Year-round record of dissolved and particulate metals in surface snow at Dome Concordia (East Antarctica). <i>Journal of Geophysical Research</i> , 2018, 123, 11843-11857. | 4.2 | 18 |
| 80 | Recovering Paleo-Records from Antarctic Ice-Cores by Coupling a Continuous Melting Device and Fast Ion Chromatography. <i>Analytical Chemistry</i> , 2015, 87, 11441-11447. | 3.2 | 18 |
| 81 | Weekly cycle assessment of PM mass concentrations and sources, and impacts on temperature and wind speed in Southern Italy. <i>Atmospheric Research</i> , 2019, 218, 129-144. | 1.8 | 18 |
| 82 | Radiative impact of an extreme Arctic biomass-burning event. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8829-8848. | 1.9 | 17 |
| 83 | Biogenic Aerosol in the Arctic from Eight Years of MSA Data from Ny-Ålesund (Svalbard Islands) and Thule (Greenland). <i>Atmosphere</i> , 2019, 10, 349. | 1.0 | 17 |
| 84 | Spatial distribution and seasonal pattern of biogenic sulphur compounds in snow from northern Victoria Land, Antarctica. <i>Annals of Glaciology</i> , 1998, 27, 535-542. | 2.8 | 16 |
| 85 | Source Apportionment of PM _{2.5} in Florence (Italy) by PMF Analysis of Aerosol Composition Records. <i>Atmosphere</i> , 2020, 11, 484. | 1.0 | 16 |
| 86 | Potential Source Contribution Function Analysis of High Latitude Dust Sources over the Arctic: Preliminary Results and Prospects. <i>Atmosphere</i> , 2021, 12, 347. | 1.0 | 16 |
| 87 | Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5775-5828. | 1.9 | 15 |
| 88 | Sensitivity of chemical species to climatic changes in the last 45 kyr as revealed by high-resolution Dome C (East Antarctica) ice-core analysis. <i>Annals of Glaciology</i> , 2004, 39, 457-466. | 2.8 | 14 |
| 89 | Chemical characterization of the last 250 years of snow deposition at Talos Dome (East Antarctica). <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 523-536. | 1.8 | 14 |
| 90 | Desert Dust Outbreaks over Mediterranean Basin: A Modeling, Observational, and Synoptic Analysis Approach. <i>Advances in Meteorology</i> , 2012, 2012, 1-14. | 0.6 | 14 |

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|-----|---|-----|-----------|
| 91 | Multi-seasonal ultrafine aerosol particle number concentration measurements at the Gruvebadet observatory, Ny-Ålesund, Svalbard Islands. <i>Rendiconti Lincei</i> , 2016, 27, 59-71. | 1.0 | 14 |
| 92 | Elemental and lead isotopic composition of atmospheric particulate measured in the Arctic region (Ny-Ålesund, Svalbard Islands). <i>Rendiconti Lincei</i> , 2016, 27, 73-84. | 1.0 | 14 |
| 93 | Spatial and temporal variability of snow chemical composition and accumulation rate at Talos Dome site (East Antarctica). <i>Science of the Total Environment</i> , 2016, 550, 418-430. | 3.9 | 14 |
| 94 | Individual Particle Characteristics, Optical Properties and Evolution of an Extreme Long-Range Transported Biomass Burning Event in the European Arctic (Ny-Ålesund, Svalbard Islands). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031535. | 1.2 | 14 |
| 95 | Determination of Rare Earth Elements in multi-year high-resolution Arctic aerosol record by double focusing Inductively Coupled Plasma Mass Spectrometry with desolvation nebulizer inlet system. <i>Science of the Total Environment</i> , 2018, 613-614, 1284-1294. | 3.9 | 13 |
| 96 | Preliminary evidence of a biomass-burning event from a 60 year-old firn core from Antarctica by ion chromatographic determination of carboxylic acids. <i>Annals of Glaciology</i> , 1998, 27, 391-397. | 2.8 | 12 |
| 97 | PIXE-PIGE analysis of size-segregated aerosol samples from remote areas. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 318, 125-129. | 0.6 | 12 |
| 98 | Use of proton elastic scattering techniques to determine carbonaceous fractions in atmospheric aerosols collected on Teflon filters. <i>Journal of Aerosol Science</i> , 2015, 89, 85-95. | 1.8 | 12 |
| 99 | Multi-year record of atmospheric and snow surface nitrate in the central Antarctic plateau. <i>Chemosphere</i> , 2017, 172, 341-354. | 4.2 | 12 |
| 100 | Combined use of daily and hourly data sets for the source apportionment of particulate matter near a waste incinerator plant. <i>Environmental Pollution</i> , 2019, 247, 802-811. | 3.7 | 12 |
| 101 | 70 years of northern Victoria Land (Antarctica) accumulation rate. <i>Annals of Glaciology</i> , 1998, 27, 215-219. | 2.8 | 11 |
| 102 | Sea salt sodium record from Talos Dome (East Antarctica) as a potential proxy of the Antarctic past sea ice extent. <i>Chemosphere</i> , 2017, 177, 266-274. | 4.2 | 11 |
| 103 | Large seasonal and interannual variations of biogenic sulfur compounds in the Arctic atmosphere (Svalbard; 78.9°N, 11.9°E). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9761-9777. | 1.9 | 11 |
| 104 | Ultra-sensitive Flow Injection Analysis (FIA) determination of calcium in ice cores at ppt level. <i>Analytica Chimica Acta</i> , 2007, 594, 219-225. | 2.6 | 10 |
| 105 | A Novel Fast Ion Chromatographic Method for the Analysis of Fluoride in Antarctic Snow and Ice. <i>Environmental Science & Technology</i> , 2014, 48, 1795-1802. | 4.6 | 10 |
| 106 | 2014 iAREA campaign on aerosol in Spitsbergen – Part 1: Study of physical and chemical properties. <i>Atmospheric Environment</i> , 2016, 140, 150-166. | 1.9 | 10 |
| 107 | Potential source contribution function analysis of long-range transported aerosols in the Central Mediterranean: a comparative study of two background sites in Italy. <i>Rendiconti Lincei</i> , 2019, 30, 337-349. | 1.0 | 10 |
| 108 | Seasonality of aerosol chemical composition at King Sejong Station (Antarctic Peninsula) in 2013. <i>Atmospheric Environment</i> , 2020, 223, 117185. | 1.9 | 10 |

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|-----|---|-----|-----------|
| 109 | New insights on metals in the Arctic aerosol in a climate changing world. <i>Science of the Total Environment</i> , 2020, 741, 140511. | 3.9 | 10 |
| 110 | On the Radiative Impact of Biomass-Burning Aerosols in the Arctic: The August 2017 Case Study. <i>Remote Sensing</i> , 2022, 14, 313. | 1.8 | 10 |
| 111 | The Laschamp geomagnetic excursion featured in nitrate record from EPICA-Dome C ice core. <i>Scientific Reports</i> , 2016, 6, 20235. | 1.6 | 9 |
| 112 | Volcanic Fluxes Over the Last Millennium as Recorded in the Gv7 Ice Core (Northern Victoria Land,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 347 Td (nssSO | 1.0 | 9 |
| 113 | Elucidating the present-day chemical composition, seasonality and source regions of climate-relevant aerosols across the Arctic land surface. <i>Environmental Research Letters</i> , 2022, 17, 034032. | 2.2 | 9 |
| 114 | Study of air pollution in the proximity of a waste incinerator. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 363, 112-118. | 0.6 | 8 |
| 115 | Overview of Aerosol Properties in the European Arctic in Spring 2019 Based on In Situ Measurements and Lidar Data. <i>Atmosphere</i> , 2021, 12, 271. | 1.0 | 8 |
| 116 | Ice-nucleating particle concentration measurements from Ny-Å...lesund during the Arctic spring&€“summer in 2018. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14725-14748. | 1.9 | 8 |
| 117 | Biogenic aerosol in central East Antarctic Plateau as a proxy for the ocean-atmosphere interaction in the Southern Ocean. <i>Science of the Total Environment</i> , 2022, 810, 151285. | 3.9 | 8 |
| 118 | Differentiation of coarse-mode anthropogenic, marine and dust particles in the High Arctic islands of Svalbard. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11317-11335. | 1.9 | 7 |
| 119 | Factors controlling atmospheric DMS and its oxidation products (MSA and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (nssSO Chemistry and Physics, 2022, 22, 9245-9263. | 1.9 | 6 |
| 120 | Formaldehyde determination in seawater. Preliminary application to coastal samples at Terra Nova Bay (Antarctica). <i>Journal of Environmental Monitoring</i> , 2005, 7, 1299. | 2.1 | 5 |
| 121 | One-million year Rare Earth Element stratigraphies along an Antarctic marine sediment core. <i>Microchemical Journal</i> , 2015, 122, 164-171. | 2.3 | 5 |
| 122 | Source apportionment of sulphate in the High Arctic by a 10 yr-long record from Gruvebadet Observatory (Ny-Å...lesund, Svalbard Islands). <i>Atmospheric Environment</i> , 2022, 270, 118890. | 1.9 | 5 |
| 123 | Oxidative Potential Sensitivity to Metals, Br, P, S, and Se in PM10 Samples: New Insights from a Monitoring Campaign in Southeastern Italy. <i>Atmosphere</i> , 2020, 11, 367. | 1.0 | 4 |
| 124 | Arctic Aerosols. <i>Springer Polar Sciences</i> , 2020, , 209-329. | 0.0 | 4 |
| 125 | High Resolution Chemical Stratigraphies of Atmospheric Depositions from a 4 m Depth Snow Pit at Dome C (East Antarctica). <i>Atmosphere</i> , 2021, 12, 909. | 1.0 | 3 |
| 126 | Dating of the GV7 East Antarctic ice core by high-resolution chemical records and focus on the accumulation rate variability in the last millennium. <i>Climate of the Past</i> , 2021, 17, 2073-2089. | 1.3 | 3 |

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|-----|--|-----|-----------|
| 127 | Aerosol optical properties calculated from size distributions, filter samples and absorption photometer data at Dome C, Antarctica, and their relationships with seasonal cycles of sources. Atmospheric Chemistry and Physics, 2022, 22, 5033-5069. | 1.9 | 3 |
| 128 | Sea-Salt Aerosol Mass Concentration Oscillations after Rainfall, Derived from Long-Term Measurements in Lampedusa (Central Mediterranean). , 2012, 2012, 1-8. | | 2 |
| 129 | Carbonaceous Aerosol in Polar Areas: First Results and Improvements of the Sampling Strategies. Atmosphere, 2021, 12, 320. | 1.0 | 2 |
| 130 | Erratum to "Reconstruction of millennial changes in dust emission, transport and regional sea ice coverage using the deep EPICA ice cores from the Atlantic and Indian Ocean sector of Antarctica" [Earth Planet. Sci. Lett. 260 (2007) 340-354]. Earth and Planetary Science Letters, 2007, 262, 635-636. | 1.8 | 1 |
| 131 | Determination of Photosynthetically Active Radiation from multi-filter rotating shadowband measurements: Method and validation based on observations at Lampedusa (35.5°N, 12.6°E). AIP Conference Proceedings, 2017, , . | 0.3 | 1 |
| 132 | Daytime and nighttime chemical and optical properties of fine and coarse particles at a central Mediterranean coastal site. Environmental Science and Pollution Research, 2022, 29, 43401-43420. | 2.7 | 1 |
| 133 | Intercomparison Experiment of Water-Insoluble Carbonaceous Particles in Snow in a High-Mountain Environment (1598 m a.s.l.). Geosciences (Switzerland), 2022, 12, 197. | 1.0 | 1 |
| 134 | Atmospheric aerosol at the Svalbard Islands in year 2010. Modal structure, elemental composition and time dependence of the crustal aerosol component. , 2013, , . | | 0 |
| 135 | Sea-Salt Aerosol Forecasts Over the Mediterranean Sea Evaluated by Daily Measurements in Lampedusa from 2006 to 2010. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 321-325. | 0.1 | 0 |