# Gerard Ancellet

List of Publications by Year
in descending order



| 40 | 1,344 | 20 | 35 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| | | 361413 | 361022 |

| 67 | 67 | 67 | 2372 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. Elementa, 2017, 5, . | 3.2 | 172 |
| 2 | Overview of the Chemistry-Aerosol Mediterranean Experiment/Aerosol Direct Radiative Forcing on the Mediterranean Climate (ChArMEx/ADRIMED) summer 2013 campaign. Atmospheric Chemistry and Physics, 2016, 16, 455-504. | 4.9 | 110 |
| 3 | Arctic Air Pollution: New Insights from POLARCAT-IPY. Bulletin of the American Meteorological Society, 2014, 95, 1873-1895. | 3.3 | 107 |
| 4 | Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. Elementa, 2019, 7, . | 3.2 | 103 |
| 5 | Lidar measurements of ozone vertical profiles. Applied Optics, 1985, 24, 3454. | 2.1 | 87 |
| 6 | Multi-model study of chemical and physical controls on transport of anthropogenic and biomass burning pollution to the Arctic. Atmospheric Chemistry and Physics, 2015, 15, 3575-3603. | 4.9 | 83 |
| 7 | Long-range transport and mixing of aerosol sources during the 2013 North American biomass burning episode: analysis of multiple lidar observations in the western Mediterranean basin. Atmospheric Chemistry and Physics, 2016, 16, 4725-4742. | 4.9 | 54 |
| 8 | Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. Atmospheric Measurement Techniques, 2017, 10, 2455-2475. | 3.1 | 53 |
| 9 | COVIDâ€19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. Geophysical Research Letters, 2021, 48, e2020GL091987. | 4.0 | 51 |
| 10 | Measurements of OH and RO<sub>2</sub> radicals at Dome C, East Antarctica. Atmospheric Chemistry and Physics, 2014, 14, 12373-12392. | 4.9 | 50 |
| 11 | Analysis of 20 years of tropospheric ozone vertical profiles by lidar and ECC at Observatoire de Haute Provence (OHP) at 44Â°N, 6.7Â°E. Atmospheric Environment, 2015, 113, 78-89. | 4.1 | 46 |
| 12 | Compact airborne lidar for tropospheric ozone: description and field measurements. Applied Optics, 1998, 37, 5509. | 2.1 | 42 |
| 13 | Evidence for changes in the ozone concentrations in the free troposphere over southern france from 1976 to 1995. Atmospheric Environment, 1997, 31, 2835-2851. | 4.1 | 37 |
| 14 | Transport of aerosol to the Arctic: analysis of CALIOP and French aircraft data during the spring 2008 POLARCAT campaign. Atmospheric Chemistry and Physics, 2014, 14, 8235-8254. | 4.9 | 33 |
| 15 | Impact of vertical transport processes on the tropospheric ozone layering above Europe.. Atmospheric Environment, 2005, 39, 5423-5435. | 4.1 | 31 |
| 16 | Temporal consistency of lidar observations during aerosol transport events in the framework of the ChArMEx/ADRIMED campaign at Minorca in June 2013. Atmospheric Chemistry and Physics, 2016, 16, 2863-2875. | 4.9 | 30 |
| 17 | Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) â€“ concept and initial results. Atmospheric Chemistry and Physics, 2020, 20, 8551-8592. | 4.9 | 26 |
| 18 | Transport of anthropogenic and biomass burning aerosols from Europe to the Arctic during spring 2008. Atmospheric Chemistry and Physics, 2015, 15, 3831-3850. | 4.9 | 25 |

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|---|---|---|---|
| 19 | Continental pollution in the western Mediterranean basin: vertical profiles of aerosol and trace gases measured over the sea during TRAQA 2012 and SAFMED 2013. Atmospheric Chemistry and Physics, 2015, 15, 9611-9630. | 4.9 | 23 |
| 20 | Influence of vertical mixing and nighttime transport on surface ozone variability in the morning in Paris and the surrounding region. Atmospheric Environment, 2019, 197, 92-102. | 4.1 | 22 |
| 21 | Characterizing the seasonal cycle and vertical structure of ozone in Paris, France using four years of ground based LIDAR measurements in the lowermost troposphere. Atmospheric Environment, 2017, 167, 603-615. | 4.1 | 18 |
| 22 | Continental pollution in the Western Mediterranean basin: large variability of the aerosol single scattering albedo and influence on the direct shortwave radiative effect. Atmospheric Chemistry and Physics, 2016, 16, 10591-10607. | 4.9 | 15 |
| 23 | Integrated airborne investigation of the air composition over the Russian sector of the Arctic. Atmospheric Measurement Techniques, 2022, 15, 3941-3967. | 3.1 | 15 |
| 24 | Ground-based ozone profiles over central Europe: incorporating anomalous observations into the analysis of stratospheric ozone trends. Atmospheric Chemistry and Physics, 2019, 19, 4289-4309. | 4.9 | 12 |
| 25 | Analysis of the latitudinal variability of tropospheric ozone in the Arctic using the large number of aircraft and ozonesonde observations in early summer 2008. Atmospheric Chemistry and Physics, 2016, 16, 13341-13358. | 4.9 | 10 |
| 26 | Station for the comprehensive monitoring of the atmosphere at Fonovaya Observatory, West Siberia: current status and future needs. , 2018, , . | | 10 |
| 27 | Impact of the COVIDâ€19 Economic Downturn on Tropospheric Ozone Trends: An Uncertainty Weighted Data Synthesis for Quantifying Regional Anomalies Above Western North America and Europe. AGU Advances, 2022, 3, . | 5.4 | 9 |
| 28 | Aerosol monitoring in Siberia using an 808â€‰nm automatic compact lidar. Atmospheric Measurement Techniques, 2019, 12, 147-168. | 3.1 | 8 |
| 29 | Intercomparison and evaluation of ground- and satellite-based stratospheric ozone and temperature profiles above Observatoire de Haute-Provence during the Lidar Validation NDACC Experiment (LAVANDE). Atmospheric Measurement Techniques, 2020, 13, 5621-5642. | 3.1 | 8 |
| 30 | Combined UV and IR ozone profile retrieval from TROPOMI and CrIS measurements. Atmospheric Measurement Techniques, 2022, 15, 2955-2978. | 3.1 | 7 |
| 31 | Characterization of Aerosol Sources and Optical Properties in Siberia Using Airborne and Spaceborne Observations. Atmosphere, 2021, 12, 244. | 2.3 | 5 |
| 32 | Optimized Umkehr profile algorithm for ozone trend analyses. Atmospheric Measurement Techniques, 2022, 15, 1849-1870. | 3.1 | 4 |
| 33 | Homogenization of the Observatoire de Haute Provence electrochemical concentration cell (ECC) ozonesonde data record: comparison with lidar and satellite observations. Atmospheric Measurement Techniques, 2022, 15, 3105-3120. | 3.1 | 4 |
| 34 | Improved ozone DIAL retrievals in the upper troposphere and lower stratosphere using an optimal estimation method. Applied Optics, 2019, 58, 1374. | 1.8 | 3 |
| 35 | Ozone Lidar Observations in the City of Paris: Seasonal Variability and Role of The Nocturnal Low Level Jet. EPJ Web of Conferences, 2020, 237, 03022. | 0.3 | 2 |
| 36 | Assessing the benefits of Imaging Infrared Radiometer observations for the CALIOP version 4 cloud and aerosol discrimination algorithm. Atmospheric Measurement Techniques, 2022, 15, 1931-1956. | 3.1 | 2 |

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|---|---|---|---|
| 37 | Late Summer Ozone Variability in the Lower Troposphere of the Eastern Mediterranean. EPJ Web of Conferences, 2016, 119, 05018. | 0.3 | 0 |
| 38 | Lidar observations of the regional transport and formation of aerosol fields in the background and urban areas. , 2018, , . | | 0 |
| 39 | Eye-safe micro-pulse lidar on an 808nm laser diode. , 2019, , . | | 0 |
| 40 | Year-round sensing optical properties of the atmosphere by a micropulse lidar in Tomsk. , 2019, , . | | 0 |