

Gerard Ancellet

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,344
citations

361296

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h-index

360920

35
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67
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67
docs citations

67
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.2	2
2	Optimized Umkehr profile algorithm for ozone trend analyses. Atmospheric Measurement Techniques, 2022, 15, 1849-1870.	1.2	4
3	Impact of the COVID-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, .	2.3	9
4	Combined UV and IR ozone profile retrieval from TROPOMI and CrIS measurements. Atmospheric Measurement Techniques, 2022, 15, 2955-2978.	1.2	7
5	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.	1.2	4
6	Integrated airborne investigation of the air composition over the Russian sector of the Arctic. Atmospheric Measurement Techniques, 2022, 15, 3941-3967.	1.2	15
7	COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. Geophysical Research Letters, 2021, 48, e2020GL091987.	1.5	51
8	Characterization of Aerosol Sources and Optical Properties in Siberia Using Airborne and Spaceborne Observations. Atmosphere, 2021, 12, 244.	1.0	5
9	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.	0.1	2
10	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) – concept and initial results. Atmospheric Chemistry and Physics, 2020, 20, 8551-8592.	1.9	26
11	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.	1.2	8
12	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.	1.9	12
13	Aerosol monitoring in Siberia using an 808nm automatic compact lidar. Atmospheric Measurement Techniques, 2019, 12, 147-168.	1.2	8
14	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.	1.9	22
15	Improved ozone DIAL retrievals in the upper troposphere and lower stratosphere using an optimal estimation method. Applied Optics, 2019, 58, 1374.	0.9	3
16	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. Elementa, 2019, 7, .	1.1	103
17	Eye-safe micro-pulse lidar on an 808nm laser diode. , 2019, , .		0
18	Year-round sensing optical properties of the atmosphere by a micropulse lidar in Tomsk. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Station for the comprehensive monitoring of the atmosphere at Fonovaya Observatory, West Siberia: current status and future needs. , 2018, , .		10
20	Lidar observations of the regional transport and formation of aerosol fields in the background and urban areas. , 2018, , .		0
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.	1.9	18
22	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. Elementa, 2017, 5, .	1.1	172
23	Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. Atmospheric Measurement Techniques, 2017, 10, 2455-2475.	1.2	53
24	Late Summer Ozone Variability in the Lower Troposphere of the Eastern Mediterranean. EPJ Web of Conferences, 2016, 119, 05018.	0.1	0
25	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.	1.9	15
26	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.	1.9	10
27	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.	1.9	30
28	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.	1.9	110
29	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.	1.9	54
30	Transport of anthropogenic and biomass burning aerosols from Europe to the Arctic during spring 2008. Atmospheric Chemistry and Physics, 2015, 15, 3831-3850.	1.9	25
31	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.	1.9	83
32	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.	1.9	23
33	Analysis of 20 years of tropospheric ozone vertical profiles by lidar and ECC at Observatoire de Haute Provence (OHP) at 44°N, 6.7°E. Atmospheric Environment, 2015, 113, 78-89.	1.9	46
34	Arctic Air Pollution: New Insights from POLARCAT-IPY. Bulletin of the American Meteorological Society, 2014, 95, 1873-1895.	1.7	107
35	Measurements of OH and RO ₂ radicals at Dome C, East Antarctica. Atmospheric Chemistry and Physics, 2014, 14, 12373-12392.	1.9	50
36	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.	1.9	33

#	ARTICLE	IF	CITATIONS
37	Impact of vertical transport processes on the tropospheric ozone layering above Europe.. Atmospheric Environment, 2005, 39, 5423-5435.	1.9	31
38	Compact airborne lidar for tropospheric ozone: description and field measurements. Applied Optics, 1998, 37, 5509.	2.1	42
39	Evidence for changes in the ozone concentrations in the free troposphere over southern france from 1976 to 1995. Atmospheric Environment, 1997, 31, 2835-2851.	1.9	37
40	Lidar measurements of ozone vertical profiles. Applied Optics, 1985, 24, 3454.	2.1	87