

# Audrey Gaudel

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

1,214  
citations

687220

13  
h-index

887953

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2053  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the use of MOZAIC-IAGOS data to assess the ability of the MACC reanalysis to reproduce the distribution of ozone and CO in the UTLS over Europe. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 27955.	0.8	11
2	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. <i>AGU Advances</i> , 2022, 3, .	2.3	9
3	A step forward to mitigate ozone. <i>Nature Geoscience</i> , 2022, 15, 513-514.	5.4	6
4	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. <i>Geophysical Research Letters</i> , 2021, 48, .	1.5	22
5	Recent ozone trends in the Chinese free troposphere: role of the local emission reductions and meteorology. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16001-16025.	1.9	10
6	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. <i>Science Advances</i> , 2020, 6, .	4.7	64
7	Multi-decadal surface ozone trends at globally distributed remote locations. <i>Elementa</i> , 2020, 8, .	1.1	54
8	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10611-10635.	1.9	31
9	Statistical regularization for trend detection: an integrated approach for detecting long-term trends from sparse tropospheric ozone profiles. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 9915-9938.	1.9	15
10	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. <i>Elementa</i> , 2019, 7, .	1.1	103
11	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. <i>Elementa</i> , 2018, 6, .	1.1	240
12	Comparison of Long Term Tropospheric Ozone Trends Measured by Lidar and ECC Ozonesondes from 1991 to 2010 in Southern France. <i>EPJ Web of Conferences</i> , 2016, 119, 20002.	0.1	0
13	Tropospheric ozone change from 1980 to 2010 dominated by equatorward redistribution of emissions. <i>Nature Geoscience</i> , 2016, 9, 875-879.	5.4	140
14	Data assimilation of satellite-retrieved ozone, carbon monoxide and nitrogen dioxide with ECMWF's Composition-IFS. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5275-5303.	1.9	109
15	Validation of reactive gases and aerosols in the MACC global analysis and forecast system. <i>Geoscientific Model Development</i> , 2015, 8, 3523-3543.	1.3	49
16	Tropospheric chemistry in the Integrated Forecasting System of ECMWF. <i>Geoscientific Model Development</i> , 2015, 8, 975-1003.	1.3	204
17	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. <i>Atmospheric Environment</i> , 2015, 113, 78-89.	1.9	46
18	On the wintertime low bias of Northern Hemisphere carbon monoxide found in global model simulations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 9295-9316.	1.9	101