

Audrey Gaudel

List of Publications by Year in descending order

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18
papers

1,214
citations

687363

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888059

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docs citations

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times ranked

2053
citing authors

#	ARTICLE	IF	CITATIONS
1	On the use of MOZAIC-IGOS data to assess the ability of the MACC reanalysis to reproduce the distribution of ozone and CO in the UTLS over Europe. Tellus, Series B: Chemical and Physical Meteorology, 2022, 67, 27955.	1.6	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. AGU Advances, 2022, 3, .	5.4	9
3	A step forward to mitigate ozone. Nature Geoscience, 2022, 15, 513-514.	12.9	6
4	Contributions of World Regions to the Global Tropospheric Ozone Burden Change From 1980 to 2010. Geophysical Research Letters, 2021, 48, .	4.0	22
5	Recent ozone trends in the Chinese free troposphere: role of the local emission reductions and meteorology. Atmospheric Chemistry and Physics, 2021, 21, 16001-16025.	4.9	10
6	Aircraft observations since the 1990s reveal increases of tropospheric ozone at multiple locations across the Northern Hemisphere. Science Advances, 2020, 6, .	10.3	64
7	Multi-decadal surface ozone trends at globally distributed remote locations. Elementa, 2020, 8, .	3.2	54
8	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. Atmospheric Chemistry and Physics, 2020, 20, 10611-10635.	4.9	31
9	Statistical regularization for trend detection: an integrated approach for detecting long-term trends from sparse tropospheric ozone profiles. Atmospheric Chemistry and Physics, 2020, 20, 9915-9938.	4.9	15
10	Tropospheric Ozone Assessment Report: Tropospheric ozone from 1877 to 2016, observed levels, trends and uncertainties. Elementa, 2019, 7, .	3.2	103
11	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. Elementa, 2018, 6, .	3.2	240
12	Comparison of Long Term Tropospheric Ozone Trends Measured by Lidar and ECC Ozonesondes from 1991 to 2010 in Southern France. EPJ Web of Conferences, 2016, 119, 20002.	0.3	0
13	Tropospheric ozone change from 1980 to 2010 dominated by equatorward redistribution of emissions. Nature Geoscience, 2016, 9, 875-879.	12.9	140
14	Data assimilation of satellite-retrieved ozone, carbon monoxide and nitrogen dioxide with ECMWF's Composition-IFS. Atmospheric Chemistry and Physics, 2015, 15, 5275-5303.	4.9	109
15	Validation of reactive gases and aerosols in the MACC global analysis and forecast system. Geoscientific Model Development, 2015, 8, 3523-3543.	3.6	49
16	Tropospheric chemistry in the Integrated Forecasting System of ECMWF. Geoscientific Model Development, 2015, 8, 975-1003.	3.6	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. Atmospheric Environment, 2015, 113, 78-89.	4.1	46
18	On the wintertime low bias of Northern Hemisphere carbon monoxide found in global model simulations. Atmospheric Chemistry and Physics, 2014, 14, 9295-9316.	4.9	101