

Barbara Dix

List of Publications by Year in descending order

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21
papers

1,144
citations

567281

15
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying NO _x Emissions from U.S. Oil and Gas Production Regions Using TROPOMI NO ₂ . ACS Earth and Space Chemistry, 2022, 6, 403-414.	2.7	15
2	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. Environmental Science & Technology, 2021, 55, 9129-9139.	10.0	23
3	Measurements of Volatile Organic Compounds During the COVID-19 Lockdown in Changzhou, China. Geophysical Research Letters, 2021, 48, e2021GL095560.	4.0	12
4	Ozone depletion due to dust release of iodine in the free troposphere. Science Advances, 2021, 7, eabj6544.	10.3	5
5	Nitrogen Oxide Emissions from U.S. Oil and Gas Production: Recent Trends and Source Attribution. Geophysical Research Letters, 2020, 47, e2019GL085866.	4.0	31
6	Daily Satellite Observations of Methane from Oil and Gas Production Regions in the United States. Scientific Reports, 2020, 10, 1379.	3.3	76
7	Quantitative detection of iodine in the stratosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1860-1866.	7.1	61
8	Stratospheric Injection of Brominated Very Short-Lived Substances: Aircraft Observations in the Western Pacific and Representation in Global Models. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5690-5719.	3.3	36
9	Formaldehyde in the Tropical Western Pacific: Chemical Sources and Sinks, Convective Transport, and Representation in CAM-Chem and the CCMI Models. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11201-11226.	3.3	32
10	BrO and inferred Br profiles over the western Pacific: relevance of inorganic bromine sources and a minimum in the aged tropical tropopause layer. Atmospheric Chemistry and Physics, 2017, 17, 15245-15270.	4.9	33
11	Maximizing Degrees of Freedom in MAX-DOAS Retrievals of BrO from Remote Tropical Marine Mountaintops. , 2017, , .		1
12	Parameterization retrieval of trace gas volume mixing ratios from Airborne MAX-DOAS. Atmospheric Measurement Techniques, 2016, 9, 5655-5675.	3.1	19
13	Global impacts of tropospheric halogens (Cl, Br, I) on oxidants and composition in GEOS-Chem. Atmospheric Chemistry and Physics, 2016, 16, 12239-12271.	4.9	231
14	Mercury oxidation from bromine chemistry in the free troposphere over the southeastern US. Atmospheric Chemistry and Physics, 2016, 16, 3743-3760.	4.9	33
15	Iodine's impact on tropospheric oxidants: a global model study in GEOS-Chem. Atmospheric Chemistry and Physics, 2016, 16, 1161-1186.	4.9	116
16	Ground-based direct-sun DOAS and airborne MAX-DOAS measurements of the collision-induced oxygen complex, O ₂ O ₂ , absorption with significant pressure and temperature differences. Atmospheric Measurement Techniques, 2015, 8, 793-809.	3.1	26
17	Active and widespread halogen chemistry in the tropical and subtropical free troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9281-9286.	7.1	91
18	Aircraft measurements of BrO, IO, glyoxal, NO ₂ , H ₂ O ₂ , O ₂ O ₂ , and aerosol extinction profiles in the tropics: comparison with aircraft-/ship-based in situ and lidar measurements. Atmospheric Measurement Techniques, 2015, 8, 2121-2148.	3.1	107

#	ARTICLE	IF	CITATIONS
19	The CU Airborne MAX-DOAS instrument: vertical profiling of aerosol extinction and trace gases. Atmospheric Measurement Techniques, 2013, 6, 719-739.	3.1	86
20	Detection of iodine monoxide in the tropical free troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2035-2040.	7.1	88
21	MAX-DOAS observations from ground, ship, and research aircraft: maximizing signal-to-noise to measure 'weak' absorbers. , 2009, , .		20