

Deriving an atmospheric budget of total organic bromine
measurements from the western Pacific area during SH

Atmospheric Chemistry and Physics

14, 6903-6923

DOI: 10.5194/acp-14-6903-2014

Citation Report

#	ARTICLE	IF	CITATIONS
1	Bromine partitioning in the tropical tropopause layer: implications for stratospheric injection. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13391-13410.	1.9	90
2	Long-term halocarbon observations from a coastal and an inland site in Sabah, Malaysian Borneo. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8369-8388.	1.9	19
3	Growth in stratospheric chlorine from short-lived chemicals not controlled by the Montreal Protocol. <i>Geophysical Research Letters</i> , 2015, 42, 4573-4580.	1.5	42
4	Modelling marine emissions and atmospheric distributions of halocarbons and dimethyl sulfide: the influence of prescribed water concentration vs. prescribed emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11753-11772.	1.9	28
5	Oceanic bromoform emissions weighted by their ozone depletion potential. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13647-13663.	1.9	34
6	ICON-ART 1.0 "a new online-coupled model system from the global to regional scale. <i>Geoscientific Model Development</i> , 2015, 8, 1659-1676.	1.3	40
7	Tropospheric Halogen Chemistry: Sources, Cycling, and Impacts. <i>Chemical Reviews</i> , 2015, 115, 4035-4062.	23.0	344
8	An airborne perfluorocarbon tracer system and its first application for a Lagrangian experiment. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 69-80.	1.2	5
9	Comparison of GC/time-of-flight MS with GC/quadrupole MS for halocarbon trace gas analysis. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2195-2206.	1.2	18
10	Airborne measurements of organic bromine compounds in the Pacific tropical tropopause layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13789-13793.	3.3	47
11	An automated gas chromatography time-of-flight mass spectrometry instrument for the quantitative analysis of halocarbons in air. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 179-194.	1.2	13
12	A versatile, refrigerant- and cryogen-free cryofocusing "thermodesorption unit for preconcentration of traces gases in air. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5265-5279.	1.2	8
13	Evidence for strong, widespread chlorine radical chemistry associated with pollution outflow from continental Asia. <i>Scientific Reports</i> , 2016, 6, 36821.	1.6	21
14	The contribution of oceanic halocarbons to marine and free tropospheric air over the tropical West Pacific. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7569-7585.	1.9	29
15	A multi-model intercomparison of halogenated very short-lived substances (TransCom-VSLS): linking oceanic emissions and tropospheric transport for a reconciled estimate of the stratospheric source gas injection of bromine. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9163-9187.	1.9	51
16	Halocarbon emissions from marine phytoplankton and climate change. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1355-1370.	1.8	40
17	The increasing threat to stratospheric ozone from dichloromethane. <i>Nature Communications</i> , 2017, 8, 15962.	5.8	147
18	Probing the subtropical lowermost stratosphere and the tropical upper troposphere and tropopause layer for inorganic bromine. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1161-1186.	1.9	25

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19	A growing threat to the ozone layer from short-lived anthropogenic chlorocarbons. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11929-11941.	1.9	58
20	An improved, automated whole air sampler and gas chromatography mass spectrometry analysis system for volatile organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 291-313.	1.2	54
21	A new Differential Optical Absorption Spectroscopy instrument to study atmospheric chemistry from a high-altitude unmanned aircraft. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1017-1042.	1.2	20
22	An aircraft gas chromatograph-mass spectrometer System for Organic Fast Identification Analysis (SOFIA): design, performance and a case study of Asian monsoon pollution outflow. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 5089-5105.	1.2	22
23	Atmospheric bromoform at Cape Point, South Africa: an initial fixed-point data set on the African continent. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5785-5797.	1.9	2
24	Mixing and ageing in the polar lower stratosphere in winter 2015-2016. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6057-6073.	1.9	17
26	Stratospheric Injection of Brominated Very Short-Lived Substances: Aircraft Observations in the Western Pacific and Representation in Global Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5690-5719.	1.2	36
27	Long-term high-frequency measurements of dibromomethane in the atmosphere at algae-rich and algae-poor coastal sites. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 171-180.	1.4	4
28	Evidence of convective transport in tropical West Pacific region during SHIVA experiment. <i>Atmospheric Science Letters</i> , 2018, 19, e798.	0.8	7
29	Chlorine partitioning in the lowermost Arctic vortex during the cold winter 2015/2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10757-10772.	1.9	8
31	Recent Trends in Stratospheric Chlorine From Very Short-Lived Substances. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2318-2335.	1.2	34
32	Non-methane hydrocarbon (C ₂ -C ₈) sources and sinks around the Arabian Peninsula. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7209-7232.	1.9	35
33	Rapid increase in ozone-depleting chloroform emissions from China. <i>Nature Geoscience</i> , 2019, 12, 89-93.	5.4	92
34	Surprising chiral composition changes over the Amazon rainforest with height, time and season. <i>Communications Earth & Environment</i> , 2020, 1, .	2.6	18
35	Transport of short-lived halocarbons to the stratosphere over the Pacific Ocean. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1163-1181.	1.9	5
36	Bromine from short-lived source gases in the extratropical northern hemispheric upper troposphere and lower stratosphere (UTLS). <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4105-4132.	1.9	19
37	Stability of halocarbons in air samples stored in stainless- steel canisters. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 73-84.	1.2	0
38	Extremely rapid self-reactions of hydrochlorofluoromethanes and hydrochlorofluoroethanes and implications in destruction of ozone. <i>Chemical Physics Letters</i> , 2021, 779, 138867.	1.2	2

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41	Organic and inorganic bromine measurements around the extratropical tropopause and lowermost stratosphere: insights into the transport pathways and total bromine. Atmospheric Chemistry and Physics, 2021, 21, 15375-15407.	1.9	6
47	Cloud-scale modelling of the impact of deep convection on the fate of oceanic bromoform in the troposphere: a case study over the west coast of Borneo. Atmospheric Chemistry and Physics, 2021, 21, 16955-16984.	1.9	1
48	Comparison of inorganic chlorine in the Antarctic and Arctic lowermost stratosphere by separate late winter aircraft measurements. Atmospheric Chemistry and Physics, 2021, 21, 17225-17241.	1.9	4
50	Global seasonal distribution of CH ₂ Br ₂ and CHBr ₃ in the upper troposphere and lower stratosphere. Atmospheric Chemistry and Physics, 2022, 22, 15049-15070.	1.9	3
51	An autonomous remotely operated gas chromatograph for chemically resolved monitoring of atmospheric volatile organic compounds. Environmental Science Atmospheres, 0, , .	0.9	0