

# Kimberly Strong

## List of Publications by Year in descending order

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220  
papers

8,796  
citations

53939

47  
h-index

78623

77  
g-index

349  
all docs

349  
docs citations

349  
times ranked

5776  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Atmospheric OCS Trend Analysis From 22 NDACC Stations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	12
2	An 11-year record of XCO <sub>2</sub> estimates derived from GOSAT measurements using the NASA ACOS version 9 retrieval algorithm. <i>Earth System Science Data</i> , 2022, 14, 325-360.	3.7	17
3	Tropospheric and Surface Nitrogen Dioxide Changes in the Greater Toronto Area during the First Two Years of the COVID-19 Pandemic. <i>Remote Sensing</i> , 2022, 14, 1625.	1.8	7
4	Nitrous Oxide Profiling from Infrared Radiances (NOPIR): Algorithm Description, Application to 10 Years of IASI Observations and Quality Assessment. <i>Remote Sensing</i> , 2022, 14, 1810.	1.8	0
5	Ground-based validation of the MetOp-A and MetOp-B GOME-2 OCIO measurements. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3439-3463.	1.2	0
6	Retrieval of greenhouse gases from GOSAT and GOSAT-2 using the FOCAL algorithm. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3401-3437.	1.2	10
7	Ground-based validation of the Copernicus Sentinel-5P TROPOMI NO <sub>2</sub> measurements with the NDACC ZSL-DOAS, MAX-DOAS and Pandonia global networks. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 481-510.	1.2	142
8	First retrievals of peroxyacetyl nitrate (PAN) from ground-based FTIR solar spectra recorded at remote sites, comparison with model and satellite data. <i>Elementa</i> , 2021, 9, .	1.1	7
9	Multiscale observations of NH <sub>3</sub> around Toronto, Canada. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 905-921.	1.2	7
10	Characterization and potential for reducing optical resonances in Fourier transform infrared spectrometers of the Network for the Detection of Atmospheric Composition Change (NDACC). <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1239-1252.	1.2	9
11	COVID-19 Crisis Reduces Free Tropospheric Ozone Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091987.	1.5	51
12	Retrieval of atmospheric CO <sub>2</sub> vertical profiles from ground-based near-infrared spectra. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3087-3118.	1.2	14
13	Unprecedented Spring 2020 Ozone Depletion in the Context of 20 Years of Measurements at Eureka, Canada. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034365.	1.2	7
14	Atmospheric trace gas trends obtained from FTIR column measurements in Toronto, Canada from 2002-2019. <i>Environmental Research Communications</i> , 2021, 3, 051002.	0.9	1
15	Ubiquitous atmospheric production of organic acids mediated by cloud droplets. <i>Nature</i> , 2021, 593, 233-237.	13.7	71
16	Absorption cross-sections, radiative efficiency and global warming potential of HFE-347pcf2 (1,1,2,2-tetrafluoroethyl 2,2,2-trifluoroethyl ether). <i>Journal of Molecular Spectroscopy</i> , 2021, 379, 111494.	0.4	1
17	Quantifying the Impact of the COVID-19 Pandemic Restrictions on CO, CO <sub>2</sub> , and CH <sub>4</sub> in Downtown Toronto Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere</i> , 2021, 12, 848.	1.0	5
18	Characterizing model errors in chemical transport modeling of methane: using GOSAT XCH <sub>4</sub> data with weak-constraint four-dimensional variational data assimilation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9545-9572.	1.9	14

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19	The Adaptable 4A Inversion (5A1): description and first retrievals from Orbiting Carbon Observatory-2 (OCO-2) observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4689-4706.	1.2	1
20	Validation of methane and carbon monoxide from Sentinel-5 Precursor using TCCON and NDACC-IRWG stations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6249-6304.	1.2	57
21	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1-35.	1.2	32
22	Ammonia and PM <sub>2.5</sub> Air Pollution in Paris during the 2020 COVID Lockdown. <i>Atmosphere</i> , 2021, 12, 160.	1.0	32
23	Assessing the feasibility of using a neural network to filter Orbiting Carbon Observatory-2 (OCO-2) retrievals at northern high latitudes. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7511-7524.	1.2	4
24	Intercomparison of CO measurements from TROPOMI, ACE-FTS, and a high-Arctic ground-based Fourier transform spectrometer. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7707-7728.	1.2	1
25	Radiative efficiency and global warming potential of the hydrofluoroether HFE-356mec3 (CH <sub>3</sub> OCHF <sub>2</sub> CHFCF <sub>3</sub> ) from experimental and theoretical infrared absorption cross-sections. <i>Journal of Molecular Spectroscopy</i> , 2020, 367, 111241.	0.4	5
26	Collision-Induced Absorption of CH <sub>4</sub> -CO <sub>2</sub> and H <sub>2</sub> -CO <sub>2</sub> Complexes and Their Effect on the Ancient Martian Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006357.	1.5	8
27	Measurements of Tropospheric Bromine Monoxide Over Four Halogen Activation Seasons in the Canadian High Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033015.	1.2	8
28	Arctic Surface Properties and Their Impact on Microwave Satellite Water Vapor Column Retrievals. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 8332-8344.	2.7	1
29	Detection of HCOOH, CH <sub>3</sub> OH, CO, HCN, and C <sub>2</sub> H <sub>6</sub> in Wildfire Plumes Transported Over Toronto Using Ground-Based FTIR Measurements From 2002-2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031924.	1.2	8
30	Evaluating different methods for elevation calibration of MAX-DOAS (Multi AXis Differential Optical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Techniques, 2020, 13, 685-712.	1.2	11
31	Improved Constraints on Northern Extratropical CO <sub>2</sub> Fluxes Obtained by Combining Surface-Based and Space-Based Atmospheric CO <sub>2</sub> Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032029.	1.2	26
32	Fourier transform infrared time series of tropospheric HCN in eastern China: seasonality, interannual variability, and source attribution. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5437-5456.	1.9	17
33	Assessment of the quality of TROPOMI high-spatial-resolution NO <sub>2</sub> data products in the Greater Toronto Area. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2131-2159.	1.2	69
34	Spaceborne Measurements of Formic and Acetic Acids: A Global View of the Regional Sources. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086239.	1.5	21
35	Ensemble-based satellite-derived carbon dioxide and methane column-averaged dry-air mole fraction data sets (2003-2018) for carbon and climate applications. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 789-819.	1.2	22
36	Monitoring Urban Greenhouse Gases Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere - Ocean</i> , 2020, 58, 25-45.	0.6	10

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37	Trace Gases in the Arctic Atmosphere. Springer Polar Sciences, 2020, , 153-207.	0.0	1
38	Detection and attribution of wildfire pollution in the Arctic and northern midlatitudes using a network of Fourier-transform infrared spectrometers and GEOS-Chem. Atmospheric Chemistry and Physics, 2020, 20, 12813-12851.	1.9	26
39	Pan-Arctic surface ozone: modelling vs. measurements. Atmospheric Chemistry and Physics, 2020, 20, 15937-15967.	1.9	14
40	Intercomparison of NO <sub>2</sub> , O <sub>3</sub> , and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. Atmospheric Measurement Techniques, 2020, 13, 2169-2208.	1.2	52
41	TROPOMI Sentinel-5 Precursor formaldehyde validation using an extensive network of ground-based Fourier-transform infrared stations. Atmospheric Measurement Techniques, 2020, 13, 3751-3767.	1.2	66
42	A decade of GOSAT Proxy satellite CH <sub>4</sub> observations. Earth System Science Data, 2020, 12, 3383-3412.	3.7	53
43	Characterizing model errors in chemical transport modeling of methane: impact of model resolution in versions v9-02 of GEOS-Chem and v35j of its adjoint model. Geoscientific Model Development, 2020, 13, 3839-3862.	1.3	27
44	Unprecedented Atmospheric Ammonia Concentrations Detected in the High Arctic From the 2017 Canadian Wildfires. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8178-8202.	1.2	25
45	Comparison of ground-based and satellite measurements of water vapour vertical profiles over Ellesmere Island, Nunavut. Atmospheric Measurement Techniques, 2019, 12, 4039-4063.	1.2	4
46	Updated validation of ACE and OSIRIS ozone and NO <sub>2</sub> measurements in the Arctic using ground-based instruments at Eureka, Canada. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 238, 106571.	1.1	11
47	Conformational analysis and global warming potentials of 1,1,1,2,3,3-hexafluoropropane and 1,1,2,2,3-pentafluoropropane from absorption spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 337-350.	1.1	2
48	Characterization of aerosol growth events over Ellesmere Island during the summers of 2015 and 2016. Atmospheric Chemistry and Physics, 2019, 19, 5589-5604.	1.9	20
49	Assessing the impact of clouds on ground-based UV-visible total column ozone measurements in the high Arctic. Atmospheric Measurement Techniques, 2019, 12, 2463-2483.	1.2	7
50	Using a speed-dependent Voigt line shape to retrieve O <sub>2</sub> from Total Carbon Column Observing Network solar spectra to improve measurements of XCO <sub>2</sub> . Atmospheric Measurement Techniques, 2019, 12, 35-50.	1.2	20
51	On what scales can GOSAT flux inversions constrain anomalies in terrestrial ecosystems?. Atmospheric Chemistry and Physics, 2019, 19, 13017-13035.	1.9	13
52	Evaluation of MOPITT Version 7 joint TIR-NIR XCO <sub>2</sub> retrievals with TCCON. Atmospheric Measurement Techniques, 2019, 12, 5547-5572.	1.2	21
53	A scientific algorithm to simultaneously retrieve carbon monoxide and methane from TROPOMI onboard Sentinel-5 Precursor. Atmospheric Measurement Techniques, 2019, 12, 6771-6802.	1.2	71
54	The Atmospheric Imaging Mission for Northern Regions: AIM-North. Canadian Journal of Remote Sensing, 2019, 45, 423-442.	1.1	14

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55	Atmospheric Implications of Large C <sub>2</sub> -C <sub>5</sub> Alkane Emissions From the U.S. Oil and Gas Industry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1148-1169.	1.2	12
56	Infrared absorption cross-sections, radiative efficiency and global warming potential of HFC-43-10mee. <i>Journal of Molecular Spectroscopy</i> , 2018, 348, 64-67.	0.4	8
57	Improved retrievals of carbon dioxide from Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6539-6576.	1.2	188
58	Evaluating GPP and Respiration Estimates Over Northern Midlatitude Ecosystems Using Solar-Induced Fluorescence and Atmospheric CO <sub>2</sub> Measurements. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2976-2997.	1.3	21
59	NDACC harmonized formaldehyde time series from 21 FTIR stations covering a wide range of column abundances. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5049-5073.	1.2	37
60	Recent Arctic ozone depletion: Is there an impact of climate change?. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 347-353.	0.4	22
61	Global land mapping of satellite-observed CO <sub>2</sub> total columns using spatio-temporal geostatistics. <i>International Journal of Digital Earth</i> , 2017, 10, 426-456.	1.6	33
62	Cis- and trans-perfluorodecalin: Infrared spectra, radiative efficiency and global warming potential. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 203, 538-541.	1.1	3
63	Using high-resolution laboratory and ground-based solar spectra to assess CH <sub>4</sub> absorption coefficient calculations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 190, 48-59.	1.1	9
64	Sensitivity of CO <sub>2</sub> surface flux constraints to observational coverage. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6672-6694.	1.2	24
65	Revisiting global fossil fuel and biofuel emissions of ethane. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2493-2512.	1.2	43
66	Conformational analysis and global warming potentials of 1,1,1,3,3,3-hexafluoro-2-propanol from absorption spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 203, 522-529.	1.1	10
67	A study of the temperature dependence of the infrared absorption cross-sections of 2,2,3,3,3-pentafluoropropanol in the range of 298-362 K. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 150-157.	1.1	10
68	Cyclone-induced surface ozone and HDO depletion in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14955-14974.	1.9	11
69	Consistent regional fluxes of CH <sub>4</sub> and CO <sub>2</sub> inferred from GOSAT proxy XCH <sub>4</sub> -XCO <sub>2</sub> retrievals, 2010-2014. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4781-4797.	1.9	52
70	Study of the footprints of short-term variation in XCO <sub>2</sub> observed by TCCON sites using NIES and FLEXPART atmospheric transport models. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 143-157.	1.9	10
71	The recent increase of atmospheric methane from 10 years of ground-based NDACC FTIR observations since 2005. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2255-2277.	1.9	33
72	Investigating differences in DOAS retrieval codes using MAD-CAT campaign data. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 955-978.	1.2	20

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73	Intercomparison of atmospheric water vapour measurements at a Canadian High Arctic site. Atmospheric Measurement Techniques, 2017, 10, 2851-2880.	1.2	16
74	Multi-year comparisons of ground-based and space-borne Fourier transform spectrometers in the high Arctic between 2006 and 2013. Atmospheric Measurement Techniques, 2017, 10, 3273-3294.	1.2	9
75	Comparison of the GOSAT TANSO-FTS TIR CH <sub>4</sub> volume mixing ratio vertical profiles with those measured by ACE-FTS, ESA MIPAS, IMK-IAA MIPAS, and 16 NDACC stations. Atmospheric Measurement Techniques, 2017, 10, 3697-3718.	1.2	10
76	Validation of the CrIS fast physical NH <sub>3</sub> retrieval with ground-based FTIR. Atmospheric Measurement Techniques, 2017, 10, 2645-2667.	1.2	52
77	Comparisons of the Orbiting Carbon Observatory-2 (OCO-2) CO <sub>2</sub> measurements with TCCON. Atmospheric Measurement Techniques, 2017, 10, 2209-2238.	1.2	10
78	Validation of MOPITT carbon monoxide using ground-based Fourier transform infrared spectrometer data from NDACC. Atmospheric Measurement Techniques, 2017, 10, 1927-1956.	1.2	44
79	Tropospheric water vapour isotopologue data (H <sub>2</sub> O, H <sub>2</sub> <sup>18</sup> O, H <sub>2</sub> <sup>16</sup> O) Tj ETQq1 1 0.784314 rgBT /Overlock <a href="#">Earth System Science Data, 2017, 9, 15-29</a>	3.7	26
80	Methane cross-validation between three Fourier transform spectrometers: SCISAT ACE-FTS, GOSAT TANSO-FTS, and ground-based FTS measurements in the Canadian high Arctic. Atmospheric Measurement Techniques, 2016, 9, 1961-1980.	1.2	12
81	New temperature and pressure retrieval algorithm for high-resolution infrared solar occultation spectroscopy: analysis and validation against ACE-FTS and COSMIC. Atmospheric Measurement Techniques, 2016, 9, 1063-1082.	1.2	3
82	Consistent evaluation of ACOS-GOSAT, BESD-SCIAMACHY, CarbonTracker, and MACC through comparisons to TCCON. Atmospheric Measurement Techniques, 2016, 9, 683-709.	1.2	80
83	Toward a chemical reanalysis in a coupled chemistry–climate model: An evaluation of MOPITT CO assimilation and its impact on tropospheric composition. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7310-7343.	1.2	37
84	A case study of a transported bromine explosion event in the Canadian high arctic. Journal of Geophysical Research D: Atmospheres, 2016, 121, 457-477.	1.2	38
85	Temperature-dependent absorption cross-sections of perfluorotributylamine. Journal of Molecular Spectroscopy, 2016, 323, 53-58.	0.4	12
86	Simulation of source intensity variations from atmospheric dust for solar occultation Fourier transform infrared spectroscopy at Mars. Journal of Molecular Spectroscopy, 2016, 323, 78-85.	0.4	0
87	Long-range transport of NH <sub>3</sub> , CO, HCN, and C <sub>2</sub> H <sub>6</sub> from the 2014 Canadian Wildfires. Geophysical Research Letters, 2016, 43, 8286-8297.	1.5	44
88	An exemplary case of a bromine explosion event linked to cyclone development in the Arctic. Atmospheric Chemistry and Physics, 2016, 16, 1773-1788.	1.9	29
89	Towards understanding the variability in biospheric CO <sub>2</sub> fluxes: using FTIR spectrometry and a chemical transport model to investigate the sources and sinks of carbonyl sulfide and its link to CO <sub>2</sub> . Atmospheric Chemistry and Physics, 2016, 16, 2123-2138.	1.9	20
90	An evaluation of IASI-NH <sub>3</sub> with ground-based Fourier transform infrared spectroscopy measurements. Atmospheric Chemistry and Physics, 2016, 16, 10351-10368.	1.9	56



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91	Greenhouse gas simulations with a coupled meteorological and transport model: the predictability of CO <sub>2</sub> . Atmospheric Chemistry and Physics, 2016, 16, 12005-12038.	1.9	17
92	Distributions of Downwelling Radiance at 10 and 20 µm in the High Arctic. Atmosphere - Ocean, 2016, 54, 529-540.	0.6	0
93	Evaluating ethane and methane emissions associated with the development of oil and natural gas extraction in North America. Environmental Research Letters, 2016, 11, 044010.	2.2	82
94	Improving atmospheric CO <sub>2</sub> retrievals using line mixing and speed-dependence when fitting high-resolution ground-based solar spectra. Journal of Molecular Spectroscopy, 2016, 323, 15-27.	0.4	10
95	Accuracy, precision, and temperature dependence of Pandora total ozone measurements estimated from a comparison with the Brewer triad in Toronto. Atmospheric Measurement Techniques, 2016, 9, 5747-5761.	1.2	12
96	Identifying fire plumes in the Arctic with tropospheric FTIR measurements and transport models. Atmospheric Chemistry and Physics, 2015, 15, 2227-2246.	1.9	28
97	Comparison of the CMAM30 data set with ACE-FTS and OSIRIS: polar regions. Atmospheric Chemistry and Physics, 2015, 15, 12465-12485.	1.9	12
98	Toronto area ozone: Long-term measurements and modeled sources of poor air quality events. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,368.	1.2	15
99	Using XCO <sub>2</sub> retrievals for assessing the long-term consistency of NDACC/FTIR data sets. Atmospheric Measurement Techniques, 2015, 8, 1555-1573.	1.2	39
100	Mars methane analogue mission: Mission simulation and rover operations at Jeffrey Mine and Norbestos Mine Quebec, Canada. Advances in Space Research, 2015, 55, 2414-2426.	1.2	11
101	Five years of CO, HCN, C <sub>2</sub> H <sub>6</sub> , C <sub>2</sub> H <sub>2</sub> , CH <sub>3</sub> OH, HCOOH and H <sub>2</sub> CO total columns measured in the Canadian high Arctic. Atmospheric Measurement Techniques, 2014, 7, 1547-1570.	1.2	37
102	Tropospheric CH <sub>4</sub> signals as observed by NDACC FTIR at globally distributed sites and comparison to GAW surface in situ measurements. Atmospheric Measurement Techniques, 2014, 7, 2337-2360.	1.2	38
103	OH Meinel band nightglow profiles from OSIRIS observations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,417.	1.2	15
104	Inferring regional sources and sinks of atmospheric CO <sub>2</sub> from GOSAT XCO <sub>2</sub> data. Atmospheric Chemistry and Physics, 2014, 14, 3703-3727.	1.9	120
105	New nitric oxide (NO) nightglow measurements with SPICAM/MEx as a tracer of Mars upper atmosphere circulation and comparison with LMD-MGCM model prediction: Evidence for asymmetric hemispheres. Journal of Geophysical Research E: Planets, 2013, 118, 2172-2179.	1.5	37
106	Improvement of the retrieval algorithm for GOSAT SWIR XCO <sub>2</sub> and XCH <sub>4</sub> and their validation using TCCON data. Atmospheric Measurement Techniques, 2013, 6, 1533-1547.	1.2	261
107	Year-round retrievals of trace gases in the Arctic using the Extended-range Atmospheric Emitted Radiance Interferometer. Atmospheric Measurement Techniques, 2013, 6, 1549-1565.	1.2	6
108	MAX-DOAS formaldehyde slant column measurements during CINDI: intercomparison and analysis improvement. Atmospheric Measurement Techniques, 2013, 6, 167-185.	1.2	78

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109	Measurements of CO, HCN, and C <sub>2</sub> H <sub>6</sub> Total Columns in Smoke Plumes Transported from the 2010 Russian Boreal Forest Fires to the Canadian High Arctic. <i>Atmosphere - Ocean</i> , 2013, 51, 522-531.	0.6	19
110	The spring 2011 final stratospheric warming above Eureka: anomalous dynamics and chemistry. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 611-624.	1.9	13
111	Quantifying the impact of Boreal forest fires on Tropospheric oxidants over the Atlantic using Aircraft and Satellites (BORTAS) experiment: design, execution and science overview. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6239-6261.	1.9	52
112	Investigation of CO, C <sub>2</sub> H <sub>6</sub> , and aerosols in a boreal fire plume over eastern Canada during BORTAS 2011 using ground- and satellite-based observations and model simulations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10227-10241.	1.9	16
113	Odin observations of Antarctic nighttime NO densities in the mesosphere—lower thermosphere and observations of a lower NO layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7414-7425.	1.2	23
114	Using FTIR measurements of stratospheric composition to identify midlatitude polar vortex intrusions over Toronto. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,766.	1.2	6
115	Probing Atmospheric Composition over Canada using Ground-based FTIR Spectroscopy. , 2013, , .		0
116	Infrared measurements in the Arctic using two Atmospheric Emitted Radiance Interferometers. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 329-344.	1.2	24
117	OSIRIS: A Decade of Scattered Light. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1845-1863.	1.7	28
118	Ground-based remote sensing of tropospheric water vapour isotopologues within the project MUSICA. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 3007-3027.	1.2	69
119	Validation of ACE and OSIRIS ozone and NO <sub>2</sub> measurements using ground-based instruments at 80° N. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 927-953.	1.2	28
120	The Cabauw Intercomparison campaign for Nitrogen Dioxide measuring Instruments (CINDI): design, execution, and early results. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 457-485.	1.2	83
121	Analysis of ozone and nitric acid in spring and summer Arctic pollution using aircraft, ground-based, satellite observations and MOZART-4 model: source attribution and partitioning. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 237-259.	1.9	96
122	Technical Note: Latitude-time variations of atmospheric column-average dry air mole fractions of CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7767-7777.	1.9	25
123	Observed and simulated time evolution of HCl, ClONO <sub>2</sub> , and HF total column abundances. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3527-3556.	1.9	72
124	Unusually low ozone, HCl, and HNO <sub>3</sub> column measurements at Eureka, Canada during winter/spring 2011. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3821-3835.	1.9	34
125	Infrared measurements throughout polar night using two AERIs in the Arctic. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
126	Severe 2011 ozone depletion assessed with 11 years of ozone, NO <sub>2</sub> , and OCIO measurements at 80°N. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	30



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127	Processâ€evaluation of tropospheric humidity simulated by general circulation models using water vapor isotopologues: 1. Comparison between models and observations. Journal of Geophysical Research, 2012, 117, .	3.3	114
128	Modeled O <sub>2</sub> airglow distributions in the Martian atmosphere. Journal of Geophysical Research, 2012, 117, .	3.3	8
129	Small-scale methane dispersion modelling for possible plume sources on the surface of Mars. Geophysical Research Letters, 2012, 39, .	1.5	4
130	Modeled O <sub>2</sub> nightglow distributions in the Venusian atmosphere. Journal of Geophysical Research, 2012, 117, .	3.3	19
131	Assessment of the quality of OSIRIS mesospheric temperatures using satellite and ground-based measurements. Atmospheric Measurement Techniques, 2012, 5, 2993-3006.	1.2	13
132	Measurements of the infrared absorption cross-sections of HCFC-141b (CH <sub>3</sub> CFCl <sub>2</sub> ). Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1913-1919.	1.1	11
133	A global inventory of stratospheric NO <sub>y</sub> from ACE-FTS. Journal of Geophysical Research, 2011, 116, .	3.3	17
134	Nighttime nitric oxide densities in the Southern Hemisphere mesosphereâ€lower thermosphere. Geophysical Research Letters, 2011, 38, .	1.5	20
135	Global CO <sub>2</sub> fluxes inferred from surface air-sample measurements and from TCCON retrievals of the CO <sub>2</sub> total column. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	85
136	A method for evaluating bias in global measurements of CO <sub>2</sub> total columns from space. Atmospheric Chemistry and Physics, 2011, 11, 12317-12337.	1.9	279
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