

David W T Griffith

List of Publications by Year in descending order

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151
papers

11,307
citations

38742

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38395

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all docs

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docs citations

241
times ranked

6639
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculations of carrier gas effects in non-dispersive infrared analyzers I. Theory. <i>Tellus</i> , 2022, 34, 376.	0.8	11
2	Australian Fire Emissions of Carbon Monoxide Estimated by Global Biomass Burning Inventories: Variability and Observational Constraints. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	6
3	Global Atmospheric OCS Trend Analysis From 22 NDACC Stations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	12
4	An 11-year record of XCO ₂ estimates derived from GOSAT measurements using the NASA ACOS version 9 retrieval algorithm. <i>Earth System Science Data</i> , 2022, 14, 325-360.	9.9	17
5	Performance of open-path lasers and Fourier transform infrared spectroscopic systems in agriculture emissions research. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3593-3610.	3.1	12
6	Retrieval of greenhouse gases from GOSAT and GOSAT-2 using the FOCAL algorithm. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3401-3437.	3.1	10
7	Interannual variability in the Australian carbon cycle over 2015–2019, based on assimilation of Orbiting Carbon Observatory-2 (OCO-2) satellite data. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8897-8934.	4.9	5
8	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.	3.1	9
9	Performance of an open-path near-infrared measurement system for measurements of CO ₂ and CH ₄ during extended field trials. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3119-3130.	3.1	2
10	Ubiquitous atmospheric production of organic acids mediated by cloud droplets. <i>Nature</i> , 2021, 593, 233-237.	27.8	71
11	XCO ₂ retrieval for GOSAT and GOSAT-2 based on the FOCAL algorithm. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3837-3869.	3.1	15
12	The Adaptable 4A Inversion (5AI): description and first XCO ₂ retrievals from Orbiting Carbon Observatory-2 (OCO-2) observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4689-4706.	3.1	5
13	2019–20 Australian Bushfires and Anomalies in Carbon Monoxide Surface and Column Measurements. <i>Atmosphere</i> , 2021, 12, 755.	2.3	5
14	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.	3.1	57
15	Was Australia a sink or source of CO ₂ in 2015? Data assimilation using OCO-2 satellite measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17453-17494.	4.9	8
16	The Carbon Cycle of Southeast Australia During 2019–2020: Drought, Fires, and Subsequent Recovery. <i>AGU Advances</i> , 2021, 2, .	5.4	21
17	Bias Correction of the Ratio of Total Column CH ₄ to CO ₂ Retrieved from GOSAT Spectra. <i>Remote Sensing</i> , 2020, 12, 3155.	4.0	2
18	Toward High Precision XCO ₂ Retrievals From TanSat Observations: Retrieval Improvement and Validation Against TCCON Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032794.	3.3	25

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19	Improved Constraints on Northern Extratropical CO ₂ Fluxes Obtained by Combining Surface-Based and Space-Based Atmospheric CO ₂ Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032029.	3.3	26
20	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.	3.1	22
21	Monitoring Urban Greenhouse Gases Using Open-Path Fourier Transform Spectroscopy. <i>Atmosphere - Ocean</i> , 2020, 58, 25-45.	1.6	10
22	Intercomparison of low- and high-resolution infrared spectrometers for ground-based solar remote sensing measurements of total column concentrations of CO ₂ , CH ₄ , and CO. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4791-4839.	3.1	28
23	A decade of GOSAT Proxy satellite CH ₄ observations. <i>Earth System Science Data</i> , 2020, 12, 3383-3412.	9.9	53
24	Composition of Clean Marine Air and Biogenic Influences on VOCs during the MUMBA Campaign. <i>Atmosphere</i> , 2019, 10, 383.	2.3	8
25	Decreasing Trend in Formaldehyde Detected From 20-Year Record at Wollongong, Southeast Australia. <i>Geophysical Research Letters</i> , 2019, 46, 8464-8473.	4.0	6
26	Simultaneous shipborne measurements of CO ₂ , CH ₄ and CO and their application to improving greenhouse-gas flux estimates in Australia. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7055-7072.	4.9	5
27	A decade of CH ₄ , CO and N ₂ O in situ measurements at Lauder, New Zealand: assessing the long-term performance of a Fourier transform infrared trace gas and isotope analyser. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 637-673.	3.1	5
28	Vehicle Ammonia Emissions Measured in An Urban Environment in Sydney, Australia, Using Open Path Fourier Transform Infra-Red Spectroscopy. <i>Atmosphere</i> , 2019, 10, 208.	2.3	19
29	Advances in reference materials and measurement techniques for greenhouse gas atmospheric observations. <i>Metrologia</i> , 2019, 56, 034006.	1.2	24
30	Isotope labeling reveals contribution of newly fixed carbon to carbon storage and monoterpenes production under water deficit and carbon limitation. <i>Environmental and Experimental Botany</i> , 2019, 162, 333-344.	4.2	15
31	Identification of gas-phase pyrolysis products in a prescribed fire: first detections using infrared spectroscopy for naphthalene, methyl nitrite, allene, acrolein and acetaldehyde. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 763-776.	3.1	18
32	Regional CO emission estimated from ground-based remote sensing at Hefei site, China. <i>Atmospheric Research</i> , 2019, 222, 25-35.	4.1	24
33	Evaluation of MOPITT Version 7 joint TIR-NIR XCO ₂ retrievals with TCCON. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 5547-5572.	3.1	21
34	A scientific algorithm to simultaneously retrieve carbon monoxide and methane from TROPOMI onboard Sentinel-5 Precursor. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6771-6802.	3.1	71
35	Satellite and ground-based measurements of XCO ₂ in a remote semi-arid region of Australia. <i>Earth System Science Data</i> , 2019, 11, 935-946.	9.9	18
36	Aerosol optical properties and trace gas emissions by PAX and OP-FTIR for laboratory-simulated western US wildfires during FIREX. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2929-2948.	4.9	103

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37	Characteristics of greenhouse gas concentrations derived from ground-based FTS spectra at Anmyeondo, South Korea. Atmospheric Measurement Techniques, 2018, 11, 2361-2374.	3.1	7
38	Calibration of isotopologue-specific optical trace gas analysers: a practical guide. Atmospheric Measurement Techniques, 2018, 11, 6189-6201.	3.1	20
39	Urban Air Quality in a Coastal City: Wollongong during the MUMBA Campaign. Atmosphere, 2018, 9, 500.	2.3	22
40	Improved retrievals of carbon dioxide from Orbiting Carbon Observatory-2 with the version 8 ACOS algorithm. Atmospheric Measurement Techniques, 2018, 11, 6539-6576.	3.1	188
41	Long open-path measurements of greenhouse gases in air using near-infrared Fourier transform spectroscopy. Atmospheric Measurement Techniques, 2018, 11, 1549-1563.	3.1	27
42	Carbon dioxide retrieval from OCO-2 satellite observations using the RemoTeC algorithm and validation with TCCON measurements. Atmospheric Measurement Techniques, 2018, 11, 3111-3130.	3.1	45
43	The influence of instrumental line shape degradation on NDACC gas retrievals: total column and profile. Atmospheric Measurement Techniques, 2018, 11, 2879-2896.	3.1	21
44	Philippines TCCON Project: One-year Measurement Results and Future. , 2018, , .		0
45	Global land mapping of satellite-observed CO ₂ total columns using spatio-temporal geostatistics. International Journal of Digital Earth, 2017, 10, 426-456.	3.9	33
46	Calibration Strategies for FT-IR and Other Isotope Ratio Infrared Spectrometer Instruments for Accurate $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Measurements of CO ₂ in Air. Analytical Chemistry, 2017, 89, 3648-3655.	6.5	25
47	Emission factors of trace gases and particles from tropical savanna fires in Australia. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6059-6074.	3.3	32
48	Seasonal total methane depletion in limestone caves. Scientific Reports, 2017, 7, 8314.	3.3	30
49	The Orbiting Carbon Observatory (OCO-2) tracks ~ 3 peta-gram increase in carbon release to the atmosphere during the 2014–2016 El Niño. Scientific Reports, 2017, 7, 13567.	3.3	35
50	Validation of GOSAT SWIR XCO ₂ and XCH ₄ Retrieved by PPDF-S Method and Comparison with Full Physics Method. Scientific Online Letters on the Atmosphere, 2017, 13, 168-173.	1.4	6
51	Contributions of the troposphere and stratosphere to CH ₄ model biases. Atmospheric Chemistry and Physics, 2017, 17, 13283-13295.	4.9	7
52	Biomass burning emissions in north Australia during the early dry season: an overview of the 2014 SAFIRED campaign. Atmospheric Chemistry and Physics, 2017, 17, 13681-13697.	4.9	24
53	The recent increase of atmospheric methane from 10 years of ground-based NDACC FTIR observations since 2005. Atmospheric Chemistry and Physics, 2017, 17, 2255-2277.	4.9	33
54	TCCON Philippines: First Measurement Results, Satellite Data and Model Comparisons in Southeast Asia. Remote Sensing, 2017, 9, 1228.	4.0	22

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55	Soil methane oxidation in both dry and wet temperate eucalypt forests shows a near-identical relationship with soil air-filled porosity. <i>Biogeosciences</i> , 2017, 14, 467-479.	3.3	22
56	Comparisons of the Orbiting Carbon Observatory-2 (OCO-2) measurements with TCCON. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2209-2238.	3.1	22
57	Investigating the performance of a greenhouse gas observatory in Hefei, China. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2627-2643.	3.1	44
58	Validation of MOPITT carbon monoxide using ground-based Fourier transform infrared spectrometer data from NDACC. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1927-1956.	3.1	44
59	Tropospheric water vapour isotopologue data (H ₂ O, H ₂ ¹⁸ O, H ₂ ¹⁶ O) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Earth System Science Data</i> , 2017, 9, 15-29.	9.9	26
60	The MUMBA campaign: measurements of urban, marine and biogenic air. <i>Earth System Science Data</i> , 2017, 9, 349-362.	9.9	24
61	Bias corrections of GOSAT SWIR XCO ₂ and XCH ₄ with TCCON data and their evaluation using aircraft measurement data. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3491-3512.	3.1	40
62	Evaluation of column-averaged methane in models and TCCON with a focus on the stratosphere. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4843-4859.	3.1	23
63	Combining two complementary micrometeorological methods to measure CH ₄ and N ₂ O fluxes over pasture. <i>Biogeosciences</i> , 2016, 13, 1309-1327.	3.3	18
64	Comparison of XH ₂ O Retrieved from GOSAT Short-Wavelength Infrared Spectra with Observations from the TCCON Network. <i>Remote Sensing</i> , 2016, 8, 414.	4.0	20
65	Seasonal variability of surface and column carbon monoxide over the megacity Paris, high-altitude Jungfraujoch and Southern Hemispheric Wollongong stations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 10911-10925.	4.9	28
66	Seasonal variability of stratospheric methane: implications for constraining tropospheric methane budgets using total column observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14003-14024.	4.9	24
67	Ability of the 4-D-Var analysis of the GOSAT BESD XCO ₂ retrievals to characterize atmospheric CO ₂ at large and synoptic scales. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1653-1671.	4.9	38
68	Kinetic isotope effects of ¹² CH ₃ D and ¹³ CH ₃ D from 278 to 313 K. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4439-4449.	4.9	7
69	Agricultural gas emissions during the spring thaw: Applying a new measurement technique. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 111-121.	4.8	33
70	Multi-model simulation of CO and HCHO in the Southern Hemisphere: comparison with observations and impact of biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7217-7245.	4.9	31
71	Estimating global and North American methane emissions with high spatial resolution using GOSAT satellite data. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7049-7069.	4.9	225
72	Consistent satellite XCO ₂ retrievals from SCIAMACHY and GOSAT using the BESD algorithm. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 2961-2980.	3.1	45

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73	Assessing 5 years of GOSAT Proxy XCH ₄ data and associated uncertainties. Atmospheric Measurement Techniques, 2015, 8, 4785-4801.	3.1	64
74	First continuous measurements of $\delta^{18}\text{O-CO}_2$ in air with a Fourier transform infrared spectrometer. Atmospheric Measurement Techniques, 2015, 8, 579-592.	3.1	13
75	Using XCO ₂ retrievals for assessing the long-term consistency of NDACC/FTIR data sets. Atmospheric Measurement Techniques, 2015, 8, 1555-1573.	3.1	39
76	The impact of spectral resolution on satellite retrieval accuracy of CO ₂ and CH ₄ . Atmospheric Measurement Techniques, 2014, 7, 1105-1119.	3.1	6
77	Derivation of tropospheric methane from TCCON CH ₄ and HF total column observations. Atmospheric Measurement Techniques, 2014, 7, 2907-2918.	3.1	28
78	Retrieval of tropospheric column-averaged CH ₄ mole fraction by solar absorption FTIR-spectrometry using N ₂ O as a proxy. Atmospheric Measurement Techniques, 2014, 7, 3295-3305.	3.1	23
79	Tropospheric CH ₄ 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.	3.1	38
80	Recent Northern Hemisphere stratospheric HCl increase due to atmospheric circulation changes. Nature, 2014, 515, 104-107.	27.8	110
81	New emission factors for Australian vegetation fires measured using open-path Fourier transform infrared spectroscopy – Part 1: Methods and Australian temperate forest fires. Atmospheric Chemistry and Physics, 2014, 14, 11313-11333.	4.9	59
82	Field measurements of trace gases emitted by prescribed fires in southeastern US pine forests using an open-path FTIR system. Atmospheric Chemistry and Physics, 2014, 14, 199-215.	4.9	81
83	Inferring regional sources and sinks of atmospheric CO ₂ from COSAT XCO ₂ data. Atmospheric Chemistry and Physics, 2014, 14, 3703-3727.	4.9	120
84	Trace gas emissions from combustion of peat, crop residue, domestic biofuels, grasses, and other fuels: configuration and Fourier transform infrared (FTIR) component of the fourth Fire Lab at Missoula Experiment (FLAME-4). Atmospheric Chemistry and Physics, 2014, 14, 9727-9754.	4.9	188
85	Drivers of column-average CO ₂ variability at Southern Hemispheric Total Carbon Column Observing Network sites. Atmospheric Chemistry and Physics, 2014, 14, 9883-9901.	4.9	18
86	Accuracy of micrometeorological techniques for detecting a change in methane emissions from a herd of cattle. Agricultural and Forest Meteorology, 2013, 176, 50-63.	4.8	46
87	First intercalibration of column-averaged methane from the Total Carbon Column Observing Network and the Network for the Detection of Atmospheric Composition Change. Atmospheric Measurement Techniques, 2013, 6, 397-418.	3.1	24
88	Improvement of the retrieval algorithm for GOSAT SWIR XCO ₂ and XCH ₄ and their validation using TCCON data. Atmospheric Measurement Techniques, 2013, 6, 1533-1547.	3.1	261
89	HDO/H ₂ O ratio retrievals from GOSAT. Atmospheric Measurement Techniques, 2013, 6, 599-612.	3.1	45
90	Coupling field and laboratory measurements to estimate the emission factors of identified and unidentified trace gases for prescribed fires. Atmospheric Chemistry and Physics, 2013, 13, 89-116.	4.9	266

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91	Measurements of reactive trace gases and variable O ₃ formation rates in some South Carolina biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1141-1165.	4.9	170
92	Tracking Short-Term Effects of Nitrogen-15 Addition on Nitrous Oxide Fluxes Using Fourier-Transform Infrared Spectroscopy. <i>Journal of Environmental Quality</i> , 2013, 42, 1327-1340.	2.0	16
93	Assessment of a multi-species in situ FTIR for precise atmospheric greenhouse gas observations. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1153-1170.	3.1	55
94	A Fourier transform infrared trace gas and isotope analyser for atmospheric applications. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2481-2498.	3.1	161
95	CH ₄ , CO, and H ₂ O spectroscopy for the Sentinel-5 Precursor mission: an assessment with the Total Carbon Column Observing Network measurements. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1387-1398.	3.1	26
96	Usability of optical spectrum analyzer in measuring atmospheric CO ₂ and CH ₄ column densities: inspection with FTS and aircraft profiles in situ. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2593-2600.	3.1	10
97	Ground-based remote sensing of tropospheric water vapour isotopologues within the project MUSICA. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 3007-3027.	3.1	69
98	Validation of IASI FORLI carbon monoxide retrievals using FTIR data from NDACC. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2751-2761.	3.1	45
99	Satellite evidence for a large source of formic acid from boreal and tropical forests. <i>Nature Geoscience</i> , 2012, 5, 26-30.	12.9	171
100	Atmospheric greenhouse gases retrieved from SCIAMACHY: comparison to ground-based FTS measurements and model results. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1527-1540.	4.9	86
101	Observed and simulated time evolution of HCl, ClONO ₂ , and HF total column abundances. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3527-3556.	4.9	72
102	Methane retrievals from Greenhouse Gases Observing Satellite (GOSAT) shortwave infrared measurements: Performance comparison of proxy and physics retrieval algorithms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	128
103	Long-range correlations in Fourier transform infrared, satellite, and modeled CO in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , 2012, 117, n/a-n/a.	3.3	15
104	Retrieval of atmospheric CO ₂ with enhanced accuracy and precision from SCIAMACHY: Validation with FTS measurements and comparison with model results. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	153
105	Methane observations from the Greenhouse Gases Observing SATellite: Comparison to ground-based TCCON data and model calculations. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	211
106	The Australian methane budget: Interpreting surface and train-borne measurements using a chemistry transport model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	36
107	Airborne and ground-based measurements of the trace gases and particles emitted by prescribed fires in the United States. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12197-12216.	4.9	140
108	A method for evaluating bias in global measurements of CO ₂ total columns from space. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12317-12337.	4.9	279

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109	Importance of secondary sources in the atmospheric budgets of formic and acetic acids. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1989-2013.	4.9	266
110	Daily and 3-hourly variability in global fire emissions and consequences for atmospheric model predictions of carbon monoxide. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	200
111	Transport of NOX Emissions from Sugarcane Fertilisation into the Great Barrier Reef Lagoon. <i>Environmental Modeling and Assessment</i> , 2011, 16, 441-452.	2.2	6
112	The Total Carbon Column Observing Network. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 2087-2112.	3.4	884
113	Preliminary validation of column-averaged volume mixing ratios of carbon dioxide and methane retrieved from GOSAT short-wavelength infrared spectra. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1061-1076.	3.1	217
114	Absolute accuracy and sensitivity analysis of OP-FTIR retrievals of CO ₂ , CH ₄ and CO over concentrations representative of "clean air" and "polluted plumes". <i>Atmospheric Measurement Techniques</i> , 2011, 4, 97-116.	3.1	77
115	Laboratory measurements of trace gas emissions from biomass burning of fuel types from the southeastern and southwestern United States. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11115-11130.	4.9	218
116	An infrared spectral database for detection of gases emitted by biomass burning. <i>Vibrational Spectroscopy</i> , 2010, 53, 97-102.	2.2	83
117	Validation of five years (2003–2007) of SCIAMACHY CO total column measurements using ground-based spectrometer observations. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1457-1471.	3.1	31
118	Total column CO ₂ measurements at Darwin, Australia – site description and calibration against in situ aircraft profiles. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 947-958.	3.1	131
119	Calibration of the Total Carbon Column Observing Network using aircraft profile data. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1351-1362.	3.1	441
120	Train-borne measurements of tropical methane enhancements from ephemeral wetlands in Australia. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	8
121	Trace gas emissions from savanna fires in northern Australia. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
122	Absolute Calibration of the Intramolecular Site Preference of ¹⁵ N Fractionation in Tropospheric N ₂ O by FT-IR Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 2227-2234.	6.5	15
123	Measurement of methanol emissions from Australian wildfires by ground-based solar Fourier transform spectroscopy. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	33
124	Validation of ACE-FTS N ₂ O measurements. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4759-4786.	4.9	76
125	CO measurements from the ACE-FTS satellite instrument: data analysis and validation using ground-based, airborne and spaceborne observations. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2569-2594.	4.9	107
126	Methane Emissions from Free-Ranging Cattle: Comparison of Tracer and Integrated Horizontal Flux Techniques. <i>Journal of Environmental Quality</i> , 2008, 37, 582-591.	2.0	42

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127	Ground-Based Solar Absorption FTIR Spectroscopy: Characterization of Retrievals and First Results from a Novel Optical Design Instrument at a New NDACC Complementary Station. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 432-448.	1.3	55
128	The Tropical Forest and Fire Emissions Experiment: overview and airborne fire emission factor measurements. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5175-5196.	4.9	212
129	The tropical forest and fire emissions experiment: Trace gases emitted by smoldering logs and dung from deforestation and pasture fires in Brazil. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	61
130	Real-time field measurements of stable isotopes in water and CO ₂ by Fourier transform infrared spectrometry. <i>Isotopes in Environmental and Health Studies</i> , 2006, 42, 9-20.	1.0	22
131	The ¹³ C and D kinetic isotope effects in the reaction of CH ₄ with Cl. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 110-118.	1.6	49
132	Evidence for altitude-dependent photolysis-induced ¹⁸ O isotopic fractionation in stratospheric ozone. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	19
133	Measurements of trace gas emissions from Australian forest fires and correlations with coincident measurements of aerosol optical depth. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	72
134	Long-term trends of inorganic chlorine from ground-based infrared solar spectra: Past increases and evidence for stabilization. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	86
135	Intercomparison of NDSC Ground-Based Solar FTIR Measurements of Atmospheric Gases at Lauder, New Zealand. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003, 20, 1138-1153.	1.3	33
136	CO ₂ +OH→CO ₂ +H: The relative reaction rate of five CO isotopologues. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4687-4693.	2.8	39
137	Ground-based infrared spectroscopic measurements of carbonyl sulfide: Free tropospheric trends from a 24-year time series of solar absorption measurements. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 24-1.	3.3	37
138	Ground-based measurements of tropospheric CO, C ₂ H ₆ , and HCN from Australia at 34°S latitude during 1997-1998. <i>Journal of Geophysical Research</i> , 2001, 106, 20913-20924.	3.3	36
139	Verifying Inventory Predictions of Animal Methane Emissions with Meteorological Measurements. <i>Boundary-Layer Meteorology</i> , 2000, 96, 187-209.	2.3	28
140	Precision Trace Gas Analysis by FT-IR Spectroscopy. 1. Simultaneous Analysis of CO ₂ , CH ₄ , N ₂ O, and CO in Air. <i>Analytical Chemistry</i> , 2000, 72, 206-215.	6.5	148
141	Precision Trace Gas Analysis by FT-IR Spectroscopy. 2. The ¹³ C/ ¹² C Isotope Ratio of CO ₂ . <i>Analytical Chemistry</i> , 2000, 72, 216-221.	6.5	92
142	Positionally dependent ¹⁵ N fractionation factors in the UV photolysis of N ₂ O determined by high resolution FTIR spectroscopy. <i>Geophysical Research Letters</i> , 2000, 27, 2489-2492.	4.0	47
143	Vertical profiles of nitrous oxide isotopomer fractionation measured in the stratosphere. <i>Geophysical Research Letters</i> , 2000, 27, 2485-2488.	4.0	53
144	Emissions of formaldehyde, acetic acid, methanol, and other trace gases from biomass fires in North Carolina measured by airborne Fourier transform infrared spectroscopy. <i>Journal of Geophysical Research</i> , 1999, 104, 30109-30125.	3.3	291

#	ARTICLE	IF	CITATIONS
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146	FTIR in the Paddock: Trace gas soil flux measurements using FTIR spectroscopy. , 1998, , .		0
147	Emissions from smoldering combustion of biomass measured by open-path Fourier transform infrared spectroscopy. <i>Journal of Geophysical Research</i> , 1997, 102, 18865-18877.	3.3	314
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