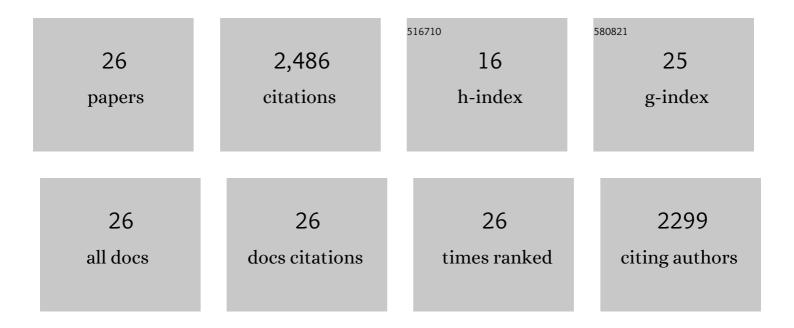
Geoffrey C Toon

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Regional and Urban Column CO Trends and Anomalies as Observed by MOPITT Over 16ÂYears. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033967.	3.3	10
2	Retrieval of atmospheric CO ₂ vertical profiles from ground-based near-infrared spectra. Atmospheric Measurement Techniques, 2021, 14, 3087-3118.	3.1	14
3	Spectrometric measurements of atmospheric propane (C ₃ H ₈). Atmospheric Chemistry and Physics, 2021, 21, 10727-10743.	4.9	2
4	GFIT3: a full physics retrieval algorithm for remote sensing of greenhouse gases in the presence of aerosols. Atmospheric Measurement Techniques, 2021, 14, 6483-6507.	3.1	5
5	Solar Occultation FTIR Spectrometry at Mars for Trace Gas Detection: A Sensitivity Study. Earth and Space Science, 2019, 6, 836-860.	2.6	3
6	Atmospheric carbonyl sulfide (OCS) measured remotely by FTIR solar absorption spectrometry. Atmospheric Chemistry and Physics, 2018, 18, 1923-1944.	4.9	8
7	Measurements of atmospheric ethene by solar absorption FTIR spectrometry. Atmospheric Chemistry and Physics, 2018, 18, 5075-5088.	4.9	6
8	Indirect Influence of Humidity on Atmospheric Spectra Near 4Âμm. Geophysical Research Letters, 2018, 45, 12,593-12,601.	4.0	6
9	Constraining Aerosol Vertical Profile in the Boundary Layer Using Hyperspectral Measurements of Oxygen Absorption. Geophysical Research Letters, 2018, 45, 10,772.	4.0	20
10	Mapping carbon monoxide pollution from space down to city scales with daily global coverage. Atmospheric Measurement Techniques, 2018, 11, 5507-5518.	3.1	75
11	Collisionâ€induced absorption by N ₂ near 2.16 µm: Calculations, model, and consequences for atmospheric remote sensing. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2419-2428.	3.3	19
12	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.	3.1	3
13	HITRAN spectroscopy evaluation using solar occultation FTIR spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 324-336.	2.3	28
14	Quantifying the loss of processed natural gas within California's South Coast Air Basin using long-term measurements of ethane and methane. Atmospheric Chemistry and Physics, 2016, 16, 14091-14105.	4.9	48
15	Near-infrared remote sensing of Los Angeles trace gas distributions from a mountaintop site. Atmospheric Measurement Techniques, 2014, 7, 713-729.	3.1	35
16	The ACOS CO ₂ retrieval algorithm – Part 1: Description and validation against synthetic observations. Atmospheric Measurement Techniques, 2012, 5, 99-121.	3.1	530
17	Disentangling chlorophyll fluorescence from atmospheric scattering effects in O ₂ A-band spectra of reflected sun-light. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	189
18	Revision of spectral parameters for the B- and Î ³ -bands of oxygen and their validation against atmospheric spectra, Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 2310-2322,	2.3	29

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19	The Total Carbon Column Observing Network. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2087-2112.	3.4	884
20	First identification of the electric quadrupole transitions of oxygen in solar and laboratory spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 1174-1183.	2.3	46
21	An FPGA-based data acquisition and processing system for the MATMOS FTIR instrument. , 2009, , .		6
22	Spaceborne measurements of atmospheric CO2by high-resolution NIR spectrometry of reflected sunlight: An introductory study. Geophysical Research Letters, 2002, 29, 11-1-11-4.	4.0	111
23	Ground-based observations of Arctic O3loss during spring and summer 1997. Journal of Geophysical Research, 1999, 104, 26497-26510.	3.3	41
24	Measurements of reactive nitrogen in the stratosphere. Journal of Geophysical Research, 1998, 103, 3571-3585.	3.3	96
25	Balloon-borne observations of midlatitude fluorine abundance. Journal of Geophysical Research, 1996, 101, 9045-9054.	3.3	58
26	The JPL MkIV interferometer. Optics and Photonics News, 1991, 2, 19.	0.5	214