

Ellis E Remsberg

List of Publications by Year in descending order

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38
papers

1,374
citations

471061

17
h-index

344852

36
g-index

64
all docs

64
docs citations

64
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	The Area of the Stratospheric Polar Vortex as a Diagnostic for Tracer Transport on an Isentropic Surface. <i>Journals of the Atmospheric Sciences</i> , 1986, 43, 1319-1339.	0.6	342
2	Ground-based microwave observations of ozone in the upper stratosphere and mesosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 16757.	3.3	126
3	Implications of the Stratospheric Water Vapor Distribution as Determined from the Nimbus 7 LIMS Experiment. <i>Journals of the Atmospheric Sciences</i> , 1984, 41, 2934-2948.	0.6	106
4	The validation of NIMBUS 7 LIMS measurements of ozone. <i>Journal of Geophysical Research</i> , 1984, 89, 5161-5178.	3.3	89
5	Validation of nitrogen dioxide results measured by the Limb Infrared Monitor of the Stratosphere (LIMS) Experiment on NIMBUS 7. <i>Journal of Geophysical Research</i> , 1984, 89, 5099-5107.	3.3	77
6	Validation of temperature retrievals obtained by the Limb Infrared Monitor of the Stratosphere (LIMS) Experiment on NIMBUS 7. <i>Journal of Geophysical Research</i> , 1984, 89, 5147-5160.	3.3	63
7	An evaluation of the quality of Halogen Occultation Experiment ozone profiles in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 9261-9275.	3.3	50
8	Seasonal and longer-term variations in middle atmosphere temperature from HALOE on UARS. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 18-1.	3.3	48
9	The Nimbus 7 LIMS version 6 radiance conditioning and temperature retrieval methods and results. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2004, 86, 395-424.	1.1	45
10	Estimates of the water vapor budget of the stratosphere from UARS HALOE data. <i>Journal of Geophysical Research</i> , 1996, 101, 6749-6766.	3.3	42
11	Trends and solar cycle effects in temperature versus altitude from the Halogen Occultation Experiment for the mesosphere and upper stratosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	39
12	Improved mesospheric temperature, water vapor and polar mesospheric cloud extinctions from HALOE. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	37
13	Observed seasonal to decadal scale responses in mesospheric water vapor. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	24
14	Ozone temperature correlations in the upper stratosphere as a measure of chlorine content. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
15	Methane as a diagnostic tracer of changes in the Brewer-Dobson circulation of the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3739-3754.	1.9	22
16	Estimation of Synoptic Fields of Middle Atmosphere Parameters from Nimbus-7 LIMS Profile Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 1990, 7, 689-705.	0.5	21
17	Observed Responses of Mesospheric Water Vapor to Solar Cycle and Dynamical Forcings. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3830-3843.	1.2	21
18	On the quality of the Nimbus 7 LIMS version 6 ozone for studies of the middle atmosphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 105, 492-518.	1.1	20

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19	A reanalysis for the seasonal and longer-period cycles and the trends in middle-atmosphere temperature from the Halogen Occultation Experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	16
20	Ozone changes in the lower stratosphere from the Halogen Occultation Experiment for 1991 through 1999. <i>Journal of Geophysical Research</i> , 2001, 106, 1639-1653.	3.3	15
21	Decadal-scale responses in middle and upper stratospheric ozone from SAGE II version 7 data. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1039-1053.	1.9	15
22	Analysis of near-global trends and variability in Halogen Occultation Experiment HF and HCl data in the middle atmosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 24297-24308.	3.3	14
23	Trend differences in lower stratospheric water vapour between Boulder and the zonal mean and their role in understanding fundamental observational discrepancies. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8331-8351.	1.9	14
24	Overview and update of the SPARC Data Initiative: comparison of stratospheric composition measurements from satellite limb sounders. <i>Earth System Science Data</i> , 2021, 13, 1855-1903.	3.7	14
25	The SPARC water vapour assessment II: profile-to-profile comparisons of stratospheric and lower mesospheric water vapour data sets obtained from satellites. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2693-2732.	1.2	13
26	Ozone budget in the upper stratosphere: Model studies using the reprocessed LIMS and the HALOE datasets. <i>Geophysical Research Letters</i> , 2002, 29, 56-1.	1.5	12
27	The impact of nonuniform sampling on stratospheric ozone trends derived from occultation instruments. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 535-554.	1.9	12
28	Effect of the HITRAN 92 spectral data on the retrieval of NO ₂ mixing ratios from Nimbus 7 LIMS. <i>Journal of Geophysical Research</i> , 1994, 99, 22965.	3.3	11
29	Radiometric Stability of the SABER Instrument. <i>Earth and Space Science</i> , 2020, 7, e2019EA001011.	1.1	9
30	Zonal variance of nitric acid vapor as an indicator of meridional mixing in the subtropical lower stratosphere. <i>Journal of Geophysical Research</i> , 1996, 101, 29523-29530.	3.3	7
31	Impact of non-LTE processes on middle atmospheric water vapor retrievals from simulated measurements of 6.8 μ m Earth limb emission. <i>Geophysical Research Letters</i> , 2002, 29, 2-1-2-4.	1.5	7
32	Observation and Attribution of Temperature Trends Near the Stratopause From HALOE. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6600-6611.	1.2	7
33	The response of mesospheric H ₂ O and CO to solar irradiance variability in models and observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 201-216.	1.9	6
34	On the consistency of HNO ₃ and NO ₂ in the Aleutian High region from the Nimbus 7 LIMS Version 6 data set. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3611-3626.	1.2	2
35	Residual temperature bias effects in stratospheric species distributions from LIMS. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2185-2199.	1.2	2
36	Effects of polar stratospheric clouds in the Nimbus 7 LIMS Version 6 data set. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2927-2946.	1.2	1

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37	Technical note: LIMS observations of lower stratospheric ozone in the southern polar springtime of 1978. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3663-3668.	1.9	0
38	Variations of Arctic winter ozone from the LIMS Level 3 dataset. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1521-1535.	1.2	0