

# Cora E Randall

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

6,394  
citations

45  
h-index

70  
g-index

181  
ext. papers

7,008  
ext. citations

4.4  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
170	Troposphere-Mesosphere Coupling by Convectively Forced Gravity Waves During Southern Hemisphere Monsoon Season as Viewed by AIM/CIPS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029734	2.6	0
169	Transport of Nitric Oxide Via Lagrangian Coherent Structures Into the Top of the Polar Vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD034523	4.4	4
168	Two- and three-dimensional structures of the descent of mesospheric trace constituents after the 2013 sudden stratospheric warming elevated stratopause event. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 14059-14077	6.8	3
167	Intercomparison of middle atmospheric meteorological analyses for the Northern Hemisphere winter 2009/2010. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 17577-17605	6.8	1
166	The AEPEX mission: Imaging energetic particle precipitation in the atmosphere through its bremsstrahlung X-ray signatures. <i>Advances in Space Research</i> , <b>2020</b> , 66, 66-82	2.4	6
165	Albedo-Ice Regression method for determining ice water content of polar mesospheric clouds using ultraviolet observations from space. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 1755-1766	4	5
164	PMC Turbo: Studying Gravity Wave and Instability Dynamics in the Summer Mesosphere Using Polar Mesospheric Cloud Imaging and Profiling From a Stratospheric Balloon. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6423-6443	4.4	17
163	Common volume satellite studies of polar mesospheric clouds with Odin/OSIRIS tomography and AIM/CIPS nadir imaging. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12455-12475	6.8	3
162	Atmospheric Effects of >30-keV Energetic Electron Precipitation in the Southern Hemisphere Winter During 2003. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8138-8153	2.6	12
161	Evaluation of the Mesospheric Polar Vortices in WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10626-10645	4.4	4
160	Making limb and nadir measurements comparable: A common volume study of PMC brightness observed by Odin OSIRIS and AIM CIPS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 167, 66-73	2	5
159	Universal power law of the gravity wave manifestation in the AIM CIPS polar mesospheric cloud images. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 883-899	6.8	4
158	Simulations of the Boreal Winter Upper Mesosphere and Lower Thermosphere With Meteorological Specifications in SD-WACCM-X. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 3791-3811	4.4	9
157	Effects of the September 2005 Solar Flares and Solar Proton Events on the Middle Atmosphere in WACCM. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5747-5763	2.6	6
156	Local and Remote Planetary Wave Effects on Polar Mesospheric Clouds in the Northern Hemisphere in 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 5149-5162	4.4	19
155	On the Upward Extension of the Polar Vortices Into the Mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9171-9191	4.4	11
154	Understanding the Effects of Polar Mesospheric Clouds on the Environment of the Upper Mesosphere and Lower Thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 11705-11719	4.4	11

153	New AIM/CIPS global observations of gravity waves near 5085 km. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7044-7052	4.9	11
152	Solar-induced 27-day variations of polar mesospheric clouds from the AIM SOFIE and CIPS experiments. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2017</b> , 162, 122-135	2	10
151	HEPPA-II model measurement intercomparison project: EPP indirect effects during the dynamically perturbed NH winter 2008-2009. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3573-3604	6.8	41
150	Persistence of upper stratospheric wintertime tracer variability into the Arctic spring and summer. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7957-7967	6.8	2
149	Comment on Atmospheric ionization by high-fluence, hard spectrum solar proton events and their probable appearance in the ice core archive by A. L. Melott et al.. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 12,484-12,489	4.4	1
148	Validation of ACE-FTS version 3.5 NO <sub>2</sub> and O <sub>3</sub> species profiles using correlative satellite measurements. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 5781-5810	4	19
147	Impact of the January 2012 solar proton event on polar mesospheric clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9165-9173	4.4	2
146	Nitrate ion spikes in ice cores not suitable as proxies for solar proton events. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2994-3016	4.4	22
145	The fractal perimeter dimension of noctilucent clouds: Sensitivity analysis of the area-perimeter method and results on the seasonal and hemispheric dependence of the fractal dimension. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2015</b> , 127, 66-72	2	3
144	Comparing nadir and limb observations of polar mesospheric clouds: The effect of the assumed particle size distribution. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2015</b> , 127, 51-65	2	14
143	Investigating seasonal gravity wave activity in the summer polar mesosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2015</b> , 127, 8-20	2	13
142	Simulated solar cycle effects on the middle atmosphere: WACCM3 Versus WACCM4. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2015</b> , 7, 806-822	7.1	8
141	A climatology of planetary wave-driven mesospheric inversion layers in the extratropical winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 399-413	4.4	13
140	POES MEPED differential flux retrievals and electron channel contamination correction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4596-4612	2.6	29
139	Is a high-altitude meteorological analysis necessary to simulate thermosphere-stratosphere coupling?. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8225-8230	4.9	27
138	Horizontal winds derived from the polar mesospheric cloud images as observed by the CIPS instrument on the AIM satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 5564-5584	4.4	6
137	Chemical definition of the mesospheric polar vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 10,166	4.4	8
136	Simulation of energetic particle precipitation effects during the 2003-2004 Arctic winter. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5035-5048	2.6	45

135	Extreme stratospheric springs and their consequences for the onset of polar mesospheric clouds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2015</b> , 132, 74-81	2	5
134	A multi tracer analysis of thermosphere to stratosphere descent triggered by the 2013 Stratospheric Sudden Warming. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5216-5222	4.9	33
133	Concentric gravity waves in polar mesospheric clouds from the Cloud Imaging and Particle Size experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 5115-5127	4.4	21
132	Northern PMC brightness zonal variability and its correlation with temperature and water vapor. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 2390-2408	4.4	13
131	Middle atmospheric changes caused by the January and March 2012 solar proton events. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 1025-1038	6.8	35
130	Nitrate deposition to surface snow at Summit, Greenland, following the 9 November 2000 solar proton event. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6938-6957	4.4	14
129	Hemispheric distributions and interannual variability of NO <sub>y</sub> produced by energetic particle precipitation in 2002-2012. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 13,565-13,582	4.4	34
128	What is the solar influence on climate? Overview of activities during CAUSES-II. <i>Progress in Earth and Planetary Science</i> , <b>2014</b> , 1,	3.9	47
127	Space shuttle exhaust plumes in the lower thermosphere: Advective transport and diffusive spreading. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2014</b> , 108, 50-60	2	7
126	Understanding uncertainties in the retrieval of polar mesospheric clouds from the cloud imaging and particle size experiment in the presence of a bright Rayleigh background. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 104, 197-212	2	12
125	Retrieval of polar mesospheric cloud properties from CIPS: Algorithm description, error analysis and cloud detection sensitivity. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 104, 167-196	2	47
124	Morphology of polar mesospheric clouds as seen from space. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 104, 234-243	2	18
123	Case study of an ice void structure in polar mesospheric clouds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 104, 224-233	2	9
122	Satellite observations of ozone in the upper mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5803-5821	4.4	55
121	The influence of major sudden stratospheric warming and elevated stratopause events on the effects of energetic particle precipitation in WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 11,636-11,646	4.4	36
120	Evaluation of Whole Atmosphere Community Climate Model simulations of ozone during Arctic winter 2004-2005. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2673-2688	4.4	48
119	Nighttime secondary ozone layer during major stratospheric sudden warmings in specified-dynamics WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8346-8358	4.4	34
118	Recent observations of high mass density polar mesospheric clouds: A link to space traffic?. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2813-2817	4.9	18

117	On the horizontal and temporal structure of noctilucent clouds as observed by satellite and lidar at ALOMAR (69N). <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	32
116	Atmospheric effects of energetic particle precipitation in the Arctic winter 1978-1979 revisited. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		11
115	A climatology of stratopause temperature and height in the polar vortex and anticyclones. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		16
114	On the onset of polar mesospheric cloud seasons as observed by SBUV. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		20
113	Bright polar mesospheric clouds formed by main engine exhaust from the space shuttle's final launch. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		14
112	High Resolution Dynamics Limb Sounder observations of the gravity wave-driven elevated stratopause in 2006. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		20
111	Investigation of double tropopause spatial and temporal global variability utilizing High Resolution Dynamics Limb Sounder temperature observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
110	First determination of the fractal perimeter dimension of noctilucent clouds. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	8
109	On the seasonal onset of polar mesospheric clouds and the breakdown of the stratospheric polar vortex in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		28
108	Northern Hemisphere atmospheric influence of the solar proton events and ground level enhancement in January 2005. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6153-6166	6.8	60
107	Modelling the effect of denitrification on polar ozone depletion for Arctic winter 2004/2005. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6559-6573	6.8	28
106	Evaluation of AIM CIPS measurements of Polar Mesospheric Clouds by comparison with SBUV data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2011</b> , 73, 2065-2072	2	18
105	Numerical simulations of the three-dimensional distribution of polar mesospheric clouds and comparisons with Cloud Imaging and Particle Size (CIPS) experiment and the Solar Occultation For Ice Experiment (SOFIE) observations. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		42
104	Seasonal variation of the quasi 5 day planetary wave: Causes and consequences for polar mesospheric cloud variability in 2007. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		46
103	Tidally induced variations of polar mesospheric cloud altitudes and ice water content using a data assimilation system. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		43
102	Parameterization of monoenergetic electron impact ionization. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	62
101	The cloud imaging and particle size experiment on the aeronomy of ice in the mesosphere mission: Cloud morphology for the northern 2007 season. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 356-364	2	57
100	Comparison of polar mesospheric cloud measurements from the Cloud Imaging and Particle Size experiment and the solar backscatter ultraviolet instrument in 2007. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 365-372	2	36

99	The Aeronomy of Ice in the Mesosphere (AIM) mission: Overview and early science results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 289-299	2	151
98	Phase functions of polar mesospheric cloud ice as observed by the CIPS instrument on the AIM satellite. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 373-380	2	56
97	NO <sub>x</sub> descent in the Arctic middle atmosphere in early 2009. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	130
96	Intra-seasonal variability of polar mesospheric clouds due to inter-hemispheric coupling. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	34
95	Breakdown of potential vorticity based equivalent latitude as a vortex-centered coordinate in the polar winter mesosphere. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		30
94	Long-term middle atmospheric influence of very large solar proton events. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		87
93	Geomagnetic activity and polar surface air temperature variability. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		117
92	Validation of ozone measurements from the Atmospheric Chemistry Experiment (ACE). <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 287-343	6.8	112
91	Global observations of HNO <sub>3</sub> from the High Resolution Dynamics Limb Sounder (HIRDLS): First results. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		12
90	High Resolution Dynamics Limb Sounder: Experiment overview, recovery, and validation of initial temperature data. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		98
89	Initial validation of ozone measurements from the High Resolution Dynamics Limb Sounder. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		30
88	Low-ozone pockets observed by EOS-MLS. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		11
87	Electron impact ionization: A new parameterization for 100 eV to 1 MeV electrons. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		60
86	Validation of ACE-FTS v2.2 methane profiles from the upper troposphere to the lower mesosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 2421-2435	6.8	72
85	Validation of NO <sub>2</sub> and NO from the Atmospheric Chemistry Experiment (ACE). <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 5801-5841	6.8	54
84	Short- and medium-term atmospheric constituent effects of very large solar proton events. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 765-785	6.8	133
83	Validation of ACE-FTS v2.2 measurements of HCl, HF, CCl <sub>3</sub> F and CCl <sub>2</sub> F <sub>2</sub> using space-, balloon- and ground-based instrument observations. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 6199-6221	6.8	69
82	Technical Note: Validation of Odin/SMR limb observations of ozone, comparisons with OSIRIS, POAM III, ground-based and balloon-borne instruments. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 3385-3409 <sup>27</sup>	6.8	27

81	Quantifying Arctic ozone loss during the 2004–2005 winter using satellite observations and a chemical transport model. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		33
80	Validation of Odin/OSIRIS stratospheric NO <sub>2</sub> profiles. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		24
79	Energetic particle precipitation effects on the Southern Hemisphere stratosphere in 1992–2005. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		153
78	Sensitivity of chemical tracers to meteorological parameters in the MOZART-3 chemical transport model. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		338
77	Initial comparison of ozone and NO <sub>2</sub> profiles from ACE-MAESTRO with balloon and satellite data. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		23
76	On recent interannual variability of the Arctic winter mesosphere: Implications for tracer descent. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	114
75	Arctic and Antarctic polar winter NO <sub>x</sub> and energetic particle precipitation in 2002–2006. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	84
74	SAGE III aerosol extinction validation in the Arctic winter: comparisons with SAGE II and POAM III. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 1423-1433	6.8	16
73	Ozone profiles in the high-latitude stratosphere and lower mesosphere measured by the Improved Limb Atmospheric Spectrometer (ILAS)-II: Comparison with other satellite sensors and ozonesondes. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		23
72	Intercomparison of ILAS-II version 1.4 aerosol extinction coefficient at 780 nm with SAGE II, SAGE III, and POAM III. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		7
71	Validation of Polar Ozone and Aerosol Measurement (POAM) III version 4 stratospheric water vapor. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		23
70	Enhanced NO <sub>x</sub> in 2006 linked to strong upper stratospheric Arctic vortex. <i>Geophysical Research Letters</i> , <b>2006</b> , 33, n/a-n/a	4.9	132
69	Comparison of high-latitude line-of-sight ozone column density with derived ozone fields and the effects of horizontal inhomogeneity. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1843-1852	6.8	6
68	Response of the Upper/Middle Atmosphere to Coronal Holes and Powerful High-Speed Solar Wind Streams in 2003. <i>Geophysical Monograph Series</i> , <b>2006</b> , 319-340	1.1	29
67	Simulations of Dynamics and Transport during the September 2002 Antarctic Major Warming. <i>Journals of the Atmospheric Sciences</i> , <b>2005</b> , 62, 690-707	2.1	69
66	An Observational Study of the Final Breakdown of the Southern Hemisphere Stratospheric Vortex in 2002. <i>Journals of the Atmospheric Sciences</i> , <b>2005</b> , 62, 735-747	2.1	22
65	An upper stratospheric layer of enhanced HNO <sub>3</sub> following exceptional solar storms. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	60
64	Stratospheric effects of energetic particle precipitation in 2003–2004. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	200

63	Initial validation comparisons for the Atmospheric Chemistry Experiment (ACE-FTS). <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	52
62	Aerosol optical depth measurements by airborne sun photometer in SOLVE II: Comparisons to SAGE III, POAM III and airborne spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 1311-1339	6.8	31
61	Retrieval of ozone column content from airborne Sun photometer measurements during SOLVE II: comparison with coincident satellite and aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 2035-2054	6.8	18
60	2002-2003 Arctic ozone loss deduced from POAM III satellite observations and the SLIMCAT chemical transport model. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 597-609	6.8	43
59	Diagnostic Comparison of Meteorological Analyses during the 2002 Antarctic Winter. <i>Monthly Weather Review</i> , <b>2005</b> , 133, 1261-1278	2.4	43
58	Reconstruction and Simulation of Stratospheric Ozone Distributions during the 2002 Austral Winter. <i>Journals of the Atmospheric Sciences</i> , <b>2005</b> , 62, 748-764	2.1	31
57	Comet nucleus size distributions from HST and Keck telescopes. <i>Icarus</i> , <b>2004</b> , 170, 463-491	3.8	117
56	On the distribution of ozone in stratospheric anticyclones. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		24
55	Antarctic air over New Zealand following vortex breakdown in 1998. <i>Annales Geophysicae</i> , <b>2003</b> , 21, 2175-2183		9
54	Validation of POAM III ozone: Comparisons with ozonesonde and satellite data. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		67
53	POAM III observations of the anomalous 2002 Antarctic ozone hole. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	65
52	Unusual stratospheric transport and mixing during the 2002 Antarctic winter. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	104
51	Reconstruction of three-dimensional ozone fields using POAM III during SOLVE. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 42-1		25
50	Comparison of POAM III ozone measurements with correlative aircraft and balloon data during SOLVE. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 59-1-SOL 59-21		28
49	POAM III observations of arctic ozone loss for the 1999/2000 winter. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 5-1		33
48	Observations and analysis of polar stratospheric clouds detected by POAM III during the 1999/2000 Northern Hemisphere winter. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 24-1		23
47	Validation of POAM III NO <sub>2</sub> measurements. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 6-1		27
46	POAM III retrieval algorithm and error analysis. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 5-1-ACH 5-32		74



45	Validation of POAM III aerosols: Comparison to SAGE II and HALOE. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 27525-27536		38
44	Stratospheric NOx enhancements in the Southern Hemisphere Vortex in winter/spring of 2000. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2385-2388	4.9	61
43	An assessment of southern hemisphere stratospheric NOx enhancements due to transport from the upper atmosphere. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 329-332	4.9	82
42	Comparison of Polar Ozone and Aerosol Measurement (POAM) II and Stratospheric Aerosol and Gas Experiment (SAGE) II aerosol measurements from 1994 to 1996. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 3929-3942		24
41	A new inversion for Stratospheric Aerosol and Gas Experiment II data. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 8465-8475		8
40	Polar Ozone and Aerosol Measurement (POAM) II stratospheric NO <sub>2</sub> , 1993-1996. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 28361-28371		83
39	Validation of POAM ozone measurements with coincident MLS, HALOE, and SAGE II observations. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 23615-23627		21
38	POAM II retrieval algorithm and error analysis. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 23593-23614		47
37	POAM II ozone observations in the Antarctic ozone hole in 1994, 1995, and 1996. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 23643-23657		29
36	A comparative study of POAM II and electrochemical concentration cell ozonesonde measurements obtained over northern Europe. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 23629-23642		15
35	An analysis of POAM II solar occultation observations of polar mesospheric clouds in the southern hemisphere. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 1971-1981		44
34	Microwave observations and modeling of O <sub>2</sub> (1 $\mu$ ) and O <sub>3</sub> diurnal variation in the mesosphere. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 9013-9028		20
33	Observations of 3C273 with the Goddard High Resolution Spectrograph on the Hubble Space Telescope. II.. <i>Astronomical Journal</i> , <b>1997</b> , 114, 554	4.9	8
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5	Northern Hemisphere atmospheric influence of the solar proton events and ground level enhancement in January 2005		1
4	Middle atmospheric changes caused by the January and March 2012 solar proton events		1
3	Short- and medium-term atmospheric effects of very large solar proton events		5
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