

# Daniel Marsh

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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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.

178  
papers

9,744  
citations

47  
h-index

95  
g-index

206  
ext. papers

11,111  
ext. citations

4.5  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
178	A revised lower estimate of ozone columns during Earth's oxygenated history.. <i>Royal Society Open Science</i> , <b>2022</b> , 9, 211165	3.3	1
177	Predictability of variable solar-terrestrial coupling. <i>Annales Geophysicae</i> , <b>2021</b> , 39, 1013-1035	2	3
176	Self-consistent global transport of metallic ions with WACCM-X. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 15619-15630	6.8	0
175	Estimating the Impacts of Radiation Belt Electrons on Atmospheric Chemistry Using FIREBIRD II and Van Allen Probes Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033098	4.4	6
174	Termination of Solar Cycles and Correlated Tropospheric Variability. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2020EA001223	3.1	4
173	Tropical Stratospheric Circulation and Ozone Coupled to Pacific Multi-Decadal Variability. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092162	4.9	3
172	IMK/IAA MIPAS temperature retrieval version 8: nominal measurements. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 4111-4138	4	3
171	Global climate disruption and regional climate shelters after the Toba supereruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
170	Effects of enhanced downwelling of NO <sub>x</sub> on Antarctic upper-stratospheric ozone in the 21st century. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11041-11052	6.8	2
169	Simultaneous Retrievals of Nighttime O(3P) and Total OH Densities From Satellite Observations of Meinel Band Emissions. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
168	The response of mesospheric H <sub>2</sub> O and CO to solar irradiance variability in models and observations. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 201-216	6.8	2
167	Interhemispheric transport of metallic ions within ionospheric sporadic E layers by the lower thermospheric meridional circulation. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 4219-4230	6.8	7
166	Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): a retrospective and prospective view. <i>Progress in Earth and Planetary Science</i> , <b>2021</b> , 8,	3.9	6
165	Impacts of Lower Thermospheric Atomic Oxygen on Thermospheric Dynamics and Composition Using the Global Ionosphere Thermosphere Model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027877	2.6	1
164	Long-Term Variability and Tendencies in Middle Atmosphere Temperature and Zonal Wind From WACCM6 Simulations During 1850-2014. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033579	4.4	1
163	Spatial Distributions of Nitric Oxide in the Antarctic Wintertime Middle Atmosphere During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027846	2.6	2
162	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001882	7.1	78

161	Will Climate Change Impact Polar NO <sub>x</sub> Produced by Energetic Particle Precipitation?. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087041	4.9	5
160	The Multi-Scale Infrastructure for Chemistry and Aerosols (MUSICA). <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1743-E1760	6.1	10
159	Statistical response of middle atmosphere composition to solar proton events in WACCM-D simulations: the importance of lower ionospheric chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 8923-8938	6.8	5
158	Magnetic-local-time dependency of radiation belt electron precipitation: impact on ozone in the polar middle atmosphere. <i>Annales Geophysicae</i> , <b>2020</b> , 38, 833-844	2	4
157	WACCM simulations: Decadal winter-to-spring climate impact on middle atmosphere and troposphere from medium energy electron precipitation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2020</b> , 209, 105382	2	3
156	Long-Term Variability and Tendencies in Migrating Diurnal Tide From WACCM6 Simulations During 1850-2014. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033644	4.4	2
155	An Evaluation of the Large-Scale Atmospheric Circulation and Its Variability in CESM2 and Other CMIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032835	4.4	21
154	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 12380-12403	4.4	126
153	Error growth in the Mesosphere and Lower Thermosphere Based on Hindcast Experiments in a Whole Atmosphere Model. <i>Space Weather</i> , <b>2019</b> , 17, 1442-1460	3.7	6
152	Future Directions for Whole Atmosphere Modeling: Developments in the Context of Space Weather. <i>Space Weather</i> , <b>2019</b> , 17, 1342-1350	3.7	11
151	The response of the ozone layer to quadrupled CO concentrations. <i>Journal of Climate</i> , <b>2019</b> , 32, 7629-7642	4.4	6
150	The Upper Stratospheric Solar Cycle Ozone Response. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1831-1841	4.9	10
149	The 27-Day Solar Rotational Cycle Response in the Mesospheric Metal Layers at Low Latitudes. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7199-7206	4.9	3
148	Solar Cycle Variability of Nonmigrating Tides in the 5.3 and 15 <sup>th</sup> Infrared Cooling of the Thermosphere (100-500km) from SABER. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 2338-2356	2.6	9
147	Whole Atmosphere Climate Change: Dependence on Solar Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 3799-3809	2.6	20
146	On the relative roles of dynamics and chemistry governing the abundance and diurnal variation of low-latitude thermospheric nitric oxide. <i>Annales Geophysicae</i> , <b>2019</b> , 37, 37-48	2	6
145	Photochemistry on the bottom side of the mesospheric Na layer. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 3769-3777	6.8	3
144	The Atmospheric Coupling and Dynamics Across the Mesopause (ACaDAME) mission. <i>Advances in Space Research</i> , <b>2019</b> , 64, 1915-1925	2.4	2

143	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
142	Middle atmospheric ozone, nitrogen dioxide and nitrogen trioxide in 2002-2011: SD-WACCM simulations compared to GOMOS observations. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5001-5019	6.8	2
141	First Results From the Ionospheric Extension of WACCM-X During the Deep Solar Minimum Year of 2008. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1534-1553	2.6	32
140	Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1006-1017	2.6	13
139	Whole Atmosphere Simulation of Anthropogenic Climate Change. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1567-1576	4.9	44
138	Polar Ozone Response to Energetic Particle Precipitation Over Decadal Time Scales: The Role of Medium-Energy Electrons. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 607-622	4.4	30
137	Development and Validation of the Whole Atmosphere Community Climate Model With Thermosphere and Ionosphere Extension (WACCM-X 2.0). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2018</b> , 10, 381-402	7.1	133
136	Observations and Modeling of Increased Nitric Oxide in the Antarctic Polar Middle Atmosphere Associated With Geomagnetic Storm-Driven Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 6009-6025	2.6	16
135	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
134	Simulation of the 21 August 2017 Solar Eclipse Using the Whole Atmosphere Community Climate Model-eXtended. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3793-3800	4.9	15
133	The representation of solar cycle signals in stratospheric ozone (Part 2): Analysis of global models. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11323-11343	6.8	14
132	Nitric Oxide Response to the April 2010 Electron Precipitation Event: Using WACCM and WACCM-D With and Without Medium-Energy Electrons. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 5232-5245	2.6	21
131	The Response of the Ozone Layer to Quadrupled CO <sub>2</sub> Concentrations. <i>Journal of Climate</i> , <b>2018</b> , 31, 3893-3907	4.1	21
130	Atomic Oxygen Retrieved From the SABER 2.0- and 1.6- $\mu$ m Radiances Using New First-Principles Nighttime OH( $\nu$ ) Model. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5798-5803	4.9	16
129	Production and transport mechanisms of NO in the polar upper mesosphere and lower thermosphere in observations and models. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9075-9089	6.8	12
128	Mesospheric Nitric Acid Enhancements During Energetic Electron Precipitation Events Simulated by WACCM-D. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 6984-6998	4.4	11
127	Analysis and Hindcast Experiments of the 2009 Sudden Stratospheric Warming in WACCMX+DART. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 3131-3153	2.6	34
126	Production and transport mechanisms of NO in observations and models <b>2018</b> ,		4

125	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, 11,705-11,719	4.4	19
124	Climatology of mesopause region nocturnal temperature, zonal wind and sodium density observed by sodium lidar over Hefei, China (32°N, 117°E). <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11683-11695	6.8	7
123	On the Dynamical Control of the Mesosphere-Lower Thermosphere by the Lower and Middle Atmosphere. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 933-947	2.1	38
122	Quantification of the SF6 lifetime based on mesospheric loss measured in the stratospheric polar vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 4626-4638	4.4	54
121	Impacts of a sudden stratospheric warming on the mesospheric metal layers. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2017</b> , 162, 162-171	2	10
120	Comparison of global datasets of sodium densities in the mesosphere and lower thermosphere from GOMOS, SCIAMACHY and OSIRIS measurements and WACCM model simulations from 2008 to 2012. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2989-3006	4	6
119	The representation of solar cycle signals in stratospheric ozone. Part II: Analysis of global models <b>2017</b> ,		3
118	Solar forcing for CMIP6 (v3.2). <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 2247-2302	6.3	199
117	Relative Importance of Nitric Oxide Physical Drivers in the Lower Thermosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,081	4.9	9
116	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
115	Determination of the atmospheric lifetime and global warming potential of sulfur hexafluoride using a three-dimensional model. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 883-898	6.8	30
114	WACCM-D Improved modeling of nitric acid and active chlorine during energetic particle precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 10,328-10,341	4.4	24
113	Stratospheric ozone chemistry feedbacks are not critical for the determination of climate sensitivity in CESM1(WACCM). <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3928-3934	4.9	27
112	On the secular trend of COx and CO2 in the lower thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3634-3644	4.4	19
111	Atmospheric changes caused by galactic cosmic rays over the period 1960-2010. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5853-5866	6.8	20
110	Global volcanic aerosol properties derived from emissions, 1990-2014, using CESM1(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2332-2348	4.4	135
109	Wintertime Northern Hemisphere Response in the Stratosphere to the Pacific Decadal Oscillation Using the Whole Atmosphere Community Climate Model. <i>Journal of Climate</i> , <b>2016</b> , 29, 1031-1049	4.4	33
108	Solar Forcing for CMIP6 (v3.1) <b>2016</b> ,		19

107	&lt;i>D&lt;/i>-region ionospheric coupled chemistry (Sodankyl&lt;/i> Ion Chemistry, SIC) within the Whole Atmosphere Community Climate Model (WACCM 4) [WACCM-SIC and WACCM-rSIC. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 3123-3136	6.3	7
106	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry-Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 1853-1890	6.3	94
105	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
104	Solar cycle response and long-term trends in the mesospheric metal layers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 7153-7165	2.6	10
103	WACCM-D&lt;/i> Whole Atmosphere Community Climate Model with D-region ion chemistry. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2016</b> , 8, 954-975	7.1	52
102	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
101	Simulation of energetic particle precipitation effects during the 2003&lt;/i>2004 Arctic winter. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5035-5048	2.6	45
100	Global investigation of the Mg atom and ion layers using SCIAMACHY/Envisat observations between 70 and 150 km altitude and WACCM-Mg model results. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 273-295	6.8	30
99	Diurnal variation of the potassium layer in the upper atmosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3619-3626	4.9	9
98	Mesospheric temperatures and sodium properties measured with the ALOMAR Na lidar compared with WACCM. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2015</b> , 127, 111-119	2	9
97	NOx production due to energetic particle precipitation in the MLT region: Results from ion chemistry model studies. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2137-2148	2.6	18
96	On the distribution of CO2 and CO in the mesosphere and lower thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 5700-5718	4.4	74
95	Atomic hydrogen in the mesopause region derived from SABER: Algorithm theoretical basis, measurement uncertainty, and results. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 3516-3526	4.4	27
94	Storm-time behaviors of O/N2 and NO variations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2014</b> , 114, 42-49	2	28
93	Northern winter climate change: Assessment of uncertainty in CMIP5 projections related to stratosphere-troposphere coupling. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 7979-7998	4.4	104
92	Inferring the global cosmic dust influx to the Earth's atmosphere from lidar observations of the vertical flux of mesospheric Na. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 7870-7879	2.6	39
91	On the detection of the solar signal in the tropical stratosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 5251-5269	6.8	47
90	Examining the stratospheric response to the solar cycle in a coupled WACCM simulation with an internally generated QBO. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4843-4856	6.8	12

89	Resolving the strange behavior of extraterrestrial potassium in the upper atmosphere. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4753-4760	4.9	36
88	Solar cycle dependence of middle atmosphere temperatures. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9615-9625	4.4	13
87	Biases in southern hemisphere climate trends induced by coarsely specifying the temporal resolution of stratospheric ozone. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 8602-8610	4.9	28
86	Atmospheric Tides in the Latest Generation of Climate Models*. <i>Journals of the Atmospheric Sciences</i> , <b>2014</b> , 71, 1905-1913	2.1	11
85	Response of the mesosphere-thermosphere-ionosphere system to global change - CAWSES-II contribution. <i>Progress in Earth and Planetary Science</i> , <b>2014</b> , 1,	3.9	9
84	The Specified Chemistry Whole Atmosphere Community Climate Model (SC-WACCM). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2014</b> , 6, 883-901	7.1	50
83	Effect of trends of middle atmosphere gases on the mesosphere and thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3846-3855	2.6	24
82	The Community Earth System Model: A Framework for Collaborative Research. <i>Bulletin of the American Meteorological Society</i> , <b>2013</b> , 94, 1339-1360	6.1	1412
81	The importance of time-varying forcing for QBO modulation of the atmospheric 11 year solar cycle signal. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 4435-4447	4.4	27
80	Could a future Grand Solar Minimum like the Maunder Minimum stop global warming?. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1789-1793	4.9	31
79	Climate Change from 1850 to 2005 Simulated in CESM1(WACCM). <i>Journal of Climate</i> , <b>2013</b> , 26, 7372-7394	4.4	561
78	A climatology of elevated stratopause events in the whole atmosphere community climate model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 1234-1246	4.4	50
77	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
76	A global atmospheric model of meteoric iron. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9456-9474	4.4	91
75	Agreement in late twentieth century Southern Hemisphere stratospheric temperature trends in observations and CCMVal-2, CMIP3, and CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 605-613	4.4	24
74	A global model of meteoric sodium. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 11,442-11,452	4.4	76
73	The hydrological impact of geoengineering in the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 11,036-11,058	4.4	161
72	Long-term ozone changes and associated climate impacts in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5029-5060	4.4	200

71	Mesospheric intrusion and anomalous chemistry during and after a major stratospheric sudden warming. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2012</b> , 78-79, 116-124	2	24
70	Reconciling modeled and observed temperature trends over Antarctica. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	15
69	World avoided simulations with the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		19
68	Mitigation of 21st century Antarctic sea ice loss by stratospheric ozone recovery. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	39
67	Impact of January 2005 solar proton events on chlorine species. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 4159-4179	6.8	17
66	The 11 year solar cycle signal in transient simulations from the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		30
65	A case study of an elevated stratopause generated in the Whole Atmosphere Community Climate Model. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	36
64	Seasonal variations of the mesospheric Fe layer at Rothera, Antarctica (67.5°S, 68.0°W). <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		22
63	The combined effects of ENSO and the 11 year solar cycle on the Northern Hemisphere polar stratosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		23
62	The impact of solar spectral irradiance variability on middle atmospheric ozone. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	64
61	WACCM simulations of the mean circulation and trace species transport in the winter mesosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		98
60	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
59	Composition changes after the 'Halloween' solar proton event: the High Energy Particle Precipitation in the Atmosphere (HEPPA) model versus MIPAS data intercomparison study. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 9089-9139	6.8	113
58	Chemical-Dynamical Coupling in the Mesosphere and Lower Thermosphere <b>2011</b> , 3-17		48
57	The Surface-Pressure Signature of Atmospheric Tides in Modern Climate Models. <i>Journals of the Atmospheric Sciences</i> , <b>2011</b> , 68, 495-514	2.1	14
56	SABER Observations of Daytime Atomic Oxygen and Ozone Variability in the Mesosphere <b>2011</b> , 75-82		4
55	The Role of the Middle Atmosphere in Simulations of the Troposphere during Northern Hemisphere Winter: Differences between High- and Low-Top Models. <i>Journals of the Atmospheric Sciences</i> , <b>2010</b> , 67, 3048-3064	2.1	15
54	Dynamical Mechanism for the Increase in Tropical Upwelling in the Lowermost Tropical Stratosphere during Warm ENSO Events. <i>Journals of the Atmospheric Sciences</i> , <b>2010</b> , 67, 2331-2340	2.1	124



53	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
52	Rocket-borne in situ measurements of meteor smoke: Charging properties and implications for seasonal variation. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		27
51	Role of the QBO in modulating the influence of the 11 year solar cycle on the atmosphere using constant forcings. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		81
50	Temporal variations of atomic oxygen in the upper mesosphere from SABER. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		115
49	Simulations of the response of mesospheric circulation and temperature to the Antarctic ozone hole. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4-9	23
48	Ozone perturbation from medium-size asteroid impacts in the ocean. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 299, 263-272	5-3	22
47	Thermosphere extension of the Whole Atmosphere Community Climate Model. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		113
46	Momentum balance and gravity wave forcing in the mesosphere and lower thermosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4-9	21
45	ENSO influence on zonal mean temperature and ozone in the tropical lower stratosphere. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4-9	144
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