Monika Ewa SzelÄg

List of Publications by Year
in descending order

26	964	567144 15	580701 25
papers	citations	h-index	g-index

26	26	26	1671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heppa III Intercomparison Experiment on Electron Precipitation Impacts: 2. Modelâ€Measurement Intercomparison of Nitric Oxide (NO) During a Geomagnetic Storm in April 2010. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	10
2	Synergy of Using Nadir and Limb Instruments for Tropospheric Ozone Monitoring (SUNLIT). Atmospheric Measurement Techniques, 2022, 15, 3193-3212.	1.2	2
3	Measurement report: regional trends of stratospheric ozone evaluated using the MErged GRIdded Dataset of Ozone Profiles (MEGRIDOP). Atmospheric Chemistry and Physics, 2021, 21, 6707-6720.	1.9	14
4	Sensitivity of Middle Atmospheric Ozone to Solar Proton Events: A Comparison Between a Climate Model and Satellites. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034549.	1.2	2
5	Simulated seasonal impact on middle atmospheric ozone from high-energy electron precipitation related to pulsating aurorae. Annales Geophysicae, 2021, 39, 883-897.	0.6	8
6	Seasonal stratospheric ozone trends over 2000â€“2018 derived from several merged data sets. Atmospheric Chemistry and Physics, 2020, 20, 7035-7047.	1.9	19
7	Is there a direct solar proton impact on lower-stratospheric ozone?. Atmospheric Chemistry and Physics, 2020, 20, 14969-14982.	1.9	6
8	Statistical response of middle atmosphere composition to solar proton events in WACCM-D simulations: the importance of lower ionospheric chemistry. Atmospheric Chemistry and Physics, 2020, 20, 8923-8938.	1.9	6
9	Odd hydrogen response thresholds for indication of solar proton and electron impact in the mesosphere and stratosphere. Annales Geophysicae, 2020, 38, 1299-1312.	0.6	4
10	Middle atmospheric ozone, nitrogen dioxide and nitrogen trioxide inÂ2002â€“2011: SD-WACCM simulations compared to GOMOS observations. Atmospheric Chemistry and Physics, 2018, 18, 5001-5019.	1.9	2
11	Polar Ozone Response to Energetic Particle Precipitation Over Decadal Time Scales: The Role of Mediumâ€Energy Electrons. Journal of Geophysical Research D: Atmospheres, 2018, 123, 607-622.	1.2	38
12	Observations and Modeling of Increased Nitric Oxide in the Antarctic Polar Middle Atmosphere Associated With Geomagnetic Stormâ€Driven Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 6009-6025.	0.8	22
13	Solar forcing for CMIP6 (v3.2). Geoscientific Model Development, 2017, 10, 2247-2302.	1.3	293
14	<i>D</i>-region ionâ€“neutral coupled chemistry (SodankylÃ Ion Chemistry,) Tj ETQq0 0 0 rgBT /Overlock WACCM-rSIC. Geoscientific Model Development, 2016, 9, 3123-3136.	1.3	16
15	Transport versus energetic particle precipitation: Northern polar stratospheric NO x and ozone in January-March 2012. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6085-6100.	1.2	21
16	WACCMâ€Dâ€”Whole Atmosphere Community Climate Model with Dâ€region ion chemistry. Journal of Advances in Modeling Earth Systems, 2016, 8, 954-975.	1.3	86
17	WACCMâ€Dâ€”Improved modeling of nitric acid and active chlorine during energetic particle precipitation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,328.	1.2	32
18	Linkages Between the Radiation Belts, Polar Atmosphere and Climate: Electron Precipitation Through Wave Particle Interactions. , 2016, , 354-376.		9

#	Article	IF	Citations
19	Substormâ€induced energetic electron precipitation: Impact on atmospheric chemistry. Geophysical Research Letters, 2015, 42, 8172-8176.	1.5	51
20	Contribution of proton and electron precipitation to the observed electron concentration in Octoberâ€“November 2003 and September 2005. Annales Geophysicae, 2015, 33, 381-394.	0.6	17
21	Missing driver in the Sunâ€“Earth connection from energetic electron precipitation impacts mesospheric ozone. Nature Communications, 2014, 5, 5197.	5.8	148
22	Longitudinal hotspots in the mesospheric OH variations due to energetic electron precipitation. Atmospheric Chemistry and Physics, 2014, 14, 1095-1105.	1.9	40
23	The link between springtime total ozone and summer UV radiation in Northern Hemisphere extratropics. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8649-8661.	1.2	16
24	Observed effects of solar proton events and sudden stratospheric warmings on odd nitrogen and ozone in the polar middle atmosphere. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6837-6848.	1.2	27
25	Comparison of modeled and observed effects of radiation belt electron precipitation on mesospheric hydroxyl and ozone. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,419.	1.2	21
26	Precipitating radiation belt electrons and enhancements of mesospheric hydroxyl during 2004â€“2009. Journal of Geophysical Research, 2012, 117, .	3.3	54