

V Lynn Harvey

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6189448/v-lynn-harvey-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

86
papers

3,064
citations

29
h-index

54
g-index

104
ext. papers

3,435
ext. citations

4.2
avg, IF

4.62
L-index

#	Paper	IF	Citations
86	Impact of Strong and Weak Stratospheric Polar Vortices on the Mesosphere and Lower Thermosphere. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
85	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> , 2021 , 126, e2021JA029734	2.6	0
84	Tidal Variations in the Mesosphere and Lower Thermosphere Before, During, and After the 2009 Sudden Stratospheric Warming. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028827	2.6	1
83	Sudden Stratospheric Warming Impacts on the Ionosphere-Thermosphere System. <i>Geophysical Monograph Series</i> , 2021 , 369-400	1.1	5
82	Residual temperature bias effects in stratospheric species distributions from LIMS. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2185-2199	4	2
81	Transport of Nitric Oxide Via Lagrangian Coherent Structures Into the Top of the Polar Vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034523	4.4	4
80	Impact of September 2019 Antarctic Sudden Stratospheric Warming on Mid-Latitude Ionosphere and Thermosphere Over North America and Europe. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094517	4.9	0
79	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> , 2021 , 21, 14059-14077	6.8	3
78	Lower Thermospheric Material Transport via Lagrangian Coherent Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028834	2.6	1
77	Intercomparison of middle atmospheric meteorological analyses for the Northern Hemisphere winter 2009/2010. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 17577-17605	6.8	1
76	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	6.8	
75	Longitudinally Dependent Low-Latitude Ionospheric Disturbances Linked to the Antarctic Sudden Stratospheric Warming of September 2019. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028199	2.6	14
74	Observations of Stratospheric Gravity Waves Over Europe on 12 January 2016: The Role of the Polar Night Jet. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032893	4.4	4
73	First Lidar Observations of Quasi-Biennial Oscillation-Induced Interannual Variations of Gravity Wave Potential Energy Density at McMurdo via a Modulation of the Antarctic Polar Vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032866	4.4	2
72	Beware of Inertial Instability Masquerading as Gravity Waves in Stratospheric Temperature Perturbations. <i>Geophysical Research Letters</i> , 2019 , 46, 1740-1745	4.9	5
71	Atmospheric Effects of >30-keV Energetic Electron Precipitation in the Southern Hemisphere Winter During 2003. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8138-8153	2.6	12
70	Evaluation of the Mesospheric Polar Vortices in WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 10626-10645	4.4	4

69	Lidar Observations of Stratospheric Gravity Waves From 2011 to 2015 at McMurdo (77.84°S, 166.69°E), Antarctica: 2. Potential Energy Densities, Lognormal Distributions, and Seasonal Variations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7910-7934	4.4	20
68	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> , 2018 , 123, 5747-5763	2.6	6
67	Local and Remote Planetary Wave Effects on Polar Mesospheric Clouds in the Northern Hemisphere in 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5149-5162	4.4	19
66	On the consistency of HNO and NO in the Aleutian High region from the Nimbus 7 LIMS Version 6 data set. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 3611-3626	4	1
65	On the Upward Extension of the Polar Vortices Into the Mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9171-9191	4.4	11
64	Observations of Reduced Turbulence and Wave Activity in the Arctic Middle Atmosphere Following the January 2015 Sudden Stratospheric Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13259-13276	4.4	7
63	Stratospheric Aerosols, Polar Stratospheric Clouds, and Polar Ozone Depletion After the Mount Calbuco Eruption in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,308	4.4	19
62	Deep Ionospheric Hole Created by Sudden Stratospheric Warming in the Nighttime Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7621-7633	2.6	17
61	New AIM/CIPS global observations of gravity waves near 50°S. <i>Geophysical Research Letters</i> , 2017 , 44, 7044-7052	4.9	11
60	Introduction to the SPARC Reanalysis Intercomparison Project (S-RIP) and overview of the reanalysis systems. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1417-1452	6.8	201
59	HEPPA-II model-measurement intercomparison project: EPP indirect effects during the dynamically perturbed NH winter 2008/2009. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3573-3604	6.8	41
58	Role of Wind Filtering and Unbalanced Flow Generation in Middle Atmosphere Gravity Wave Activity at Chatanika Alaska. <i>Atmosphere</i> , 2017 , 8, 27	2.7	6
57	Effects of polar stratospheric clouds in the Nimbus 7 LIMS Version 6 data set. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 2927-2946	4	1
56	Introduction to the SPARC Reanalysis Intercomparison Project (S-RIP) and overview of the reanalysis systems 2016 ,		2
55	Simulated solar cycle effects on the middle atmosphere: WACCM3 Versus WACCM4. <i>Journal of Advances in Modeling Earth Systems</i> , 2015 , 7, 806-822	7.1	8
54	A climatology of planetary wave-driven mesospheric inversion layers in the extratropical winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 399-413	4.4	13
53	Is a high-altitude meteorological analysis necessary to simulate thermosphere-stratosphere coupling?. <i>Geophysical Research Letters</i> , 2015 , 42, 8225-8230	4.9	27
52	Modeling and mechanisms of polar winter upper stratosphere/lower mesosphere disturbances in WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7635-7647	4.4	2

51	Chemical definition of the mesospheric polar vortex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 10,166	4.4	8
50	Simulation of energetic particle precipitation effects during the 2003–2004 Arctic winter. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5035-5048	2.6	45
49	Extreme stratospheric springs and their consequences for the onset of polar mesospheric clouds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 132, 74-81	2	5
48	Stratosphere-mesosphere coupling during stratospheric sudden warming events. <i>Advances in Space Research</i> , 2014 , 53, 1265-1289	2.4	63
47	A multi tracer analysis of thermosphere to stratosphere descent triggered by the 2013 Stratospheric Sudden Warming. <i>Geophysical Research Letters</i> , 2014 , 41, 5216-5222	4.9	33
46	Middle atmospheric changes caused by the January and March 2012 solar proton events. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1025-1038	6.8	35
45	A climatology of polar winter stratopause warmings and associated planetary wave breaking. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 4168-4180	4.4	15
44	Satellite observations of ozone in the upper mesosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5803-5821	4.4	55
43	The solar proton events in 2012 as observed by MIPAS. <i>Geophysical Research Letters</i> , 2013 , 40, 2339-2343	4.9	37
42	A climatology of elevated stratopause events in the whole atmosphere community climate model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1234-1246	4.4	50
41	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> , 2013 , 118, 11,636-11,646	4.4	36
40	Nighttime secondary ozone layer during major stratospheric sudden warmings in specified-dynamics WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 8346-8358	4.4	34
39	A climatology of the stratopause in WACCM and the zonally asymmetric elevated stratopause. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2241-2254	4.4	15
38	Atmospheric effects of energetic particle precipitation in the Arctic winter 1978–1979 revisited. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		11
37	A climatology of stratopause temperature and height in the polar vortex and anticyclones. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
36	On the onset of polar mesospheric cloud seasons as observed by SBUV. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		20
35	High Resolution Dynamics Limb Sounder observations of the gravity wave-driven elevated stratopause in 2006. <i>Journal of Geophysical Research</i> , 2012 , 117,		20
34	Front-like behavior in the Arctic wintertime upper stratosphere and lower mesosphere. <i>Journal of Geophysical Research</i> , 2011 , 116,		10

33	A climatology of cold air outbreaks over North America: WACCM and ERA-40 comparison and analysis. <i>Journal of Geophysical Research</i> , 2011 , 116,		18
32	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> , 2011 , 116,		28
31	Modelling the effect of denitrification on polar ozone depletion for Arctic winter 2004/2005. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 6559-6573	6.8	28
30	Rayleigh lidar observations of reduced gravity wave activity during the formation of an elevated stratopause in 2004 at Chatanika, Alaska (65°N, 147°W). <i>Journal of Geophysical Research</i> , 2010 , 115,		27
29	Gravity wave activity in the Arctic stratosphere and mesosphere during the 2007–2008 and 2008–2009 stratospheric sudden warming events. <i>Journal of Geophysical Research</i> , 2010 , 115,		34
28	NO _x descent in the Arctic middle atmosphere in early 2009. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	130
27	Intra-seasonal variability of polar mesospheric clouds due to inter-hemispheric coupling. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	34
26	Breakdown of potential vorticity-based equivalent latitude as a vortex-centered coordinate in the polar winter mesosphere. <i>Journal of Geophysical Research</i> , 2009 , 114,		30
25	Global observations of HNO ₃ from the High Resolution Dynamics Limb Sounder (HIRDLS): First results. <i>Journal of Geophysical Research</i> , 2008 , 113,		12
24	High Resolution Dynamics Limb Sounder: Experiment overview, recovery, and validation of initial temperature data. <i>Journal of Geophysical Research</i> , 2008 , 113,		98
23	Initial validation of ozone measurements from the High Resolution Dynamics Limb Sounder. <i>Journal of Geophysical Research</i> , 2008 , 113,		30
22	Low-ozone pockets observed by EOS-MLS. <i>Journal of Geophysical Research</i> , 2008 , 113,		11
21	Numerical simulations of the three-dimensional distribution of meteoric dust in the mesosphere and upper stratosphere. <i>Journal of Geophysical Research</i> , 2008 , 113,		136
20	Quantifying Arctic ozone loss during the 2004–2005 winter using satellite observations and a chemical transport model. <i>Journal of Geophysical Research</i> , 2007 , 112,		33
19	Energetic particle precipitation effects on the Southern Hemisphere stratosphere in 1992–2005. <i>Journal of Geophysical Research</i> , 2007 , 112,		153
18	Sensitivity of chemical tracers to meteorological parameters in the MOZART-3 chemical transport model. <i>Journal of Geophysical Research</i> , 2007 , 112,		338
17	Solar occultation satellite data and derived meteorological products: Sampling issues and comparisons with Aura Microwave Limb Sounder. <i>Journal of Geophysical Research</i> , 2007 , 112,		132
16	Southern tropical upper tropospheric zonal ozone wave-1 from SAGE II observations (1985–2002). <i>Journal of Geophysical Research</i> , 2006 , 111,		4

15	Validation of Polar Ozone and Aerosol Measurement (POAM) III version 4 stratospheric water vapor. <i>Journal of Geophysical Research</i> , 2006 , 111,		23
14	Enhanced NO _x in 2006 linked to strong upper stratospheric Arctic vortex. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	132
13	Stratospheric effects of energetic particle precipitation in 2003-2004. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	200
12	Global climatology of inertial instability and Rossby wave breaking in the stratosphere. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a		26
11	2002-2003 Arctic ozone loss deduced from POAM III satellite observations and the SLIMCAT chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 597-609	6.8	43
10	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	2.1	39
9	On the distribution of ozone in stratospheric anticyclones. <i>Journal of Geophysical Research</i> , 2004 , 109,		24
8	SAGE III observations of Arctic polar stratospheric clouds (December 2002). <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	12
7	On the verification of the quality of SABER temperature, geopotential height, and wind fields by comparison with Met Office assimilated analyses. <i>Journal of Geophysical Research</i> , 2003 , 108,		92
6	Large-scale chemical evolution of the Arctic vortex during the 1999/2000 winter: HALOE/POAM III Lagrangian photochemical modeling for the SAGE III Ozone Loss and Validation Experiment (SOLVE) campaign. <i>Journal of Geophysical Research</i> , 2002 , 107, SOL 60-1-SOL 60-26		12
5	A climatology of stratospheric polar vortices and anticyclones. <i>Journal of Geophysical Research</i> , 2002 , 107, ACL 10-1		102
4	Tropical aerosol in the Aleutian High. <i>Journal of Geophysical Research</i> , 1999 , 104, 6281-6290		25
3	Mean winds in the tropical stratosphere and mesosphere during January 1993, March 1994, and August 1994. <i>Journal of Geophysical Research</i> , 1997 , 102, 26033-26052		15
2	A Climatology of the Aleutian High. <i>Journals of the Atmospheric Sciences</i> , 1996 , 53, 2088-2102	2.1	56
1	Middle atmospheric changes caused by the January and March 2012 solar proton events		1