

Alain Hauchecorne

List of Publications by Year in descending order

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268
papers

8,991
citations

53939

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73587

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332
docs citations

332
times ranked

4709
citing authors

#	ARTICLE	IF	CITATIONS
1	INSPIRE-SAT 7, a Second CubeSat to Measure the Earth's Energy Budget and to Probe the Ionosphere. Remote Sensing, 2022, 14, 186.	1.8	9
2	Stratospheric Final Warmings fall into two categories with different evolution over the course of the year. Communications Earth & Environment, 2022, 3, .	2.6	8
3	Assessment of ERA-5 Temperature Variability in the Middle Atmosphere Using Rayleigh LiDAR Measurements between 2005 and 2020. Atmosphere, 2022, 13, 242.	1.0	4
4	Evolution of the intensity and duration of the Southern Hemisphere stratospheric polar vortex edge for the period 1979-2020. Atmospheric Chemistry and Physics, 2022, 22, 4187-4200.	1.9	5
5	Updated Climatology of Mesospheric Temperature Inversions Detected by Rayleigh Lidar above Observatoire de Haute Provence, France, Using a K-Mean Clustering Technique. Atmosphere, 2022, 13, 814.	1.0	4
6	Observation of Gravity Wave Vertical Propagation through a Mesospheric Inversion Layer. Atmosphere, 2022, 13, 1003.	1.0	3
7	Classification of Stratosphere Winter Evolutions Into Four Different Scenarios in the Northern Hemisphere. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1
8	Middle-Atmosphere Temperature Monitoring Addressed with a Constellation of CubeSats Dedicated to Climate Issues. Journal of Atmospheric and Oceanic Technology, 2021, 38, 685-693.	0.5	3
9	Using a network of temperature lidars to identify temperature biases in the upper stratosphere in ECMWF reanalyses. Atmospheric Chemistry and Physics, 2021, 21, 6079-6092.	1.9	12
10	The UVSQ-SAT/INSPIRESat-5 CubeSat Mission: First In-Orbit Measurements of the Earth's Outgoing Radiation. Remote Sensing, 2021, 13, 1449.	1.8	12
11	SOLAR-v: A new solar spectral irradiance dataset based on SOLAR/SOLSPEC observations during solar cycle 24. Astronomy and Astrophysics, 2021, 645, A2.	2.1	4
12	Gravity Wave Breaking Associated with Mesospheric Inversion Layers as Measured by the Ship-Borne BEM Monge Lidar and ICON-MIGHTI. Atmosphere, 2021, 12, 1386.	1.0	9
13	Impact of the COVID-19 pandemic related to lockdown measures on tropospheric NO ₂ columns over Île-de-France. Atmospheric Chemistry and Physics, 2021, 21, 18303-18317.	1.9	4
14	Investigation of infrasound signatures from microbaroms using OH airglow and ground-based microbarometers. Advances in Space Research, 2020, 65, 902-908.	1.2	4
15	Detection of Aerosols in Antarctica From Long-Range Transport of the 2009 Australian Wildfires. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032542.	1.2	10
16	Comparisons of spectrally resolved nightglow emission locally simulated with space and ground level observations. Journal of Space Weather and Space Climate, 2020, 10, 21.	1.1	7
17	Doppler lidar at Observatoire de Haute-Provence for wind profiling up to 75%km altitude: performance evaluation and observations. Atmospheric Measurement Techniques, 2020, 13, 1501-1516.	1.2	18
18	UVSQ-SAT, a Pathfinder CubeSat Mission for Observing Essential Climate Variables. Remote Sensing, 2020, 12, 92.	1.8	14

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19	A New Version of the SOLAR-ISS Spectrum Covering the 165-3000 nm Spectral Region. <i>Solar Physics</i> , 2020, 295, 1.	1.0	11
20	The use of the 1.27- μm O ₂ absorption band for greenhouse gas monitoring from space and application to MicroCarb. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3329-3374.	1.2	33
21	Intercomparison and evaluation of ground- and satellite-based stratospheric ozone and temperature profiles above Observatoire de Haute-Provence during the Lidar Validation NDACC Experiment (LAVANDE). <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5621-5642.	1.2	8
22	Atmospheric Density and Temperature Vertical Profile Retrieval for Flight-Tests with a Rayleigh Lidar On-Board the French Advanced Test Range Ship Monge. <i>Atmosphere</i> , 2020, 11, 75.	1.0	6
23	Solar-Related Variations of the Cloud Top Circulation Above Aphrodite Terra From VMC/Venus Express Wind Fields. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1864-1879.	1.5	8
24	High-resolution temperature profiles retrieved from bichromatic stellar scintillation measurements by GOMOS/Envisat. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 585-598.	1.2	6
25	A new Mesospheric data set of temperature profiles from 35 to 85 km using Rayleigh scattering at limb from GOMOS/ENVISAT daytime observations. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 749-761.	1.2	6
26	New method of enhancement using wavelet transforms applied to SODISM telescope. <i>Advances in Space Research</i> , 2019, 63, 606-616.	1.2	4
27	Recent Dynamic Studies on the Middle Atmosphere at Mid- and Low-Latitudes Using Rayleigh Lidar and Other Technologies. , 2019, , 757-776.		1
28	Middle Atmosphere Variability and Model Uncertainties as Investigated in the Framework of the ARISE Project. , 2019, , 845-887.		17
29	Temperature Trends Observed in the Middle Atmosphere and Future Directions. , 2019, , 805-823.		3
30	Stratospheric Smoke With Unprecedentedly High Backscatter Observed by Lidars Above Southern France. <i>Geophysical Research Letters</i> , 2018, 45, 1639-1646.	1.5	90
31	Toward an Improved Representation of Middle Atmospheric Dynamics Thanks to the ARISE Project. <i>Surveys in Geophysics</i> , 2018, 39, 171-225.	2.1	47
32	Lidar temperature series in the middle atmosphere as a reference data set – Part 1: Improved retrievals and a 20-year cross-validation of two co-located French lidars. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5531-5547.	1.2	20
33	Lidar temperature series in the middle atmosphere as a reference data set – Part 2: Assessment of temperature observations from MLS/Aura and SABER/TIMED satellites. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6703-6717.	1.2	11
34	Exploring fine-scale variability of stratospheric wind above the tropical la reunion island using rayleigh-mie doppler lidar. <i>EPJ Web of Conferences</i> , 2018, 176, 03004.	0.1	3
35	Solar radius determined from PICARD/SODISM observations and extremely weak wavelength dependence in the visible and the near-infrared. <i>Astronomy and Astrophysics</i> , 2018, 616, A64.	2.1	11
36	WIRA-C: a compact 142-GHz-radiometer for continuous middle-atmospheric wind measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5007-5024.	1.2	14

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37	SOLAR-ISS: A new reference spectrum based on SOLAR/SOLSPEC observations. <i>Astronomy and Astrophysics</i> , 2018, 611, A1.	2.1	66
38	Nighttime Mesospheric/Lower Thermospheric Tropical Ozone Response to the 27-Day Solar Rotational Cycle: ENVISAT-GOMOS Satellite Observations Versus HAMMONIA Idealized Chemistry-Climate Model Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8883-8896.	1.2	4
39	Multiple symptoms of total ozone recovery inside the Antarctic vortex during austral spring. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7557-7572.	1.9	29
40	On-orbit degradation of recent space-based solar instruments and understanding of the degradation processes. , 2017, , .		3
41	Jet-setting atmosphere. <i>Nature Geoscience</i> , 2017, 10, 622-623.	5.4	4
42	Postmillennium changes in stratospheric temperature consistently resolved by GPS radio occultation and AMSU observations. <i>Geophysical Research Letters</i> , 2017, 44, 7510-7518.	1.5	21
43	A New Solar Spectrum from 656 to 3088 nm. <i>Solar Physics</i> , 2017, 292, 1.	1.0	12
44	Variability and evolution of the midlatitude stratospheric aerosol budget from 22 years of ground-based lidar and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1829-1845.	1.9	55
45	Sensitivity of the tropical stratospheric ozone response to the solar rotational cycle in observations and chemistry- climate model simulations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9897-9916.	1.9	6
46	Improved GOMOS/Envisat ozone retrievals in the upper troposphere and the lower stratosphere. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 231-246.	1.2	10
47	Temperature Climatology with Rayleigh Lidar Above Observatory of Haute-Provence: Dynamical Feedback. <i>EPJ Web of Conferences</i> , 2016, 119, 13009.	0.1	0
48	An innovative rotational Raman lidar to measure the temperature profile from the surface to 30 km altitude. <i>EPJ Web of Conferences</i> , 2016, 119, 06008.	0.1	3
49	Characteristics of stratospheric warming events during Northern winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5368-5380.	1.2	25
50	Solar Irradiance from 165 to 400 nm in 2008 and UV Variations in Three Spectral Bands During Solar Cycle 24. <i>Solar Physics</i> , 2016, 291, 3527-3547.	1.0	15
51	Poleward transport variability in the Northern Hemisphere during final stratospheric warmings simulated by CESM(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,394.	1.2	3
52	On HMI solar oblateness during solar cycle 24 and impact of the space environment on results. <i>Advances in Space Research</i> , 2016, 58, 1425-1440.	1.2	7
53	Influence of Venus topography on the zonal wind and UV albedo at cloud top level: The role of stationary gravity waves. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1087-1101.	1.5	60
54	Regional and seasonal stratospheric temperature trends in the last decade (2002-2014) from AMSU observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8172-8185.	1.2	17

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55	Main results of the PICARD mission. Proceedings of SPIE, 2016, , .	0.8	4
56	Ground-Based Rayleigh-Mie Doppler Lidar for Wind Measurements in the Middle Atmosphere. EPJ Web of Conferences, 2016, 119, 13005.	0.1	3
57	Solar Spectral Irradiance at 782 nm as Measured by the SES Sensor Onboard Picard. Solar Physics, 2016, 291, 1043-1057.	1.0	5
58	SERB, a nano-satellite dedicated to the Earth-Sun relationship. Proceedings of SPIE, 2016, , .	0.8	2
59	MISOLFA: a generalized monitor for daytime spatio-temporal turbulence characterization. Monthly Notices of the Royal Astronomical Society, 2016, 458, 517-530.	1.6	8
60	Tentative detection of clear-air turbulence using a ground-based Rayleigh lidar. Applied Optics, 2016, 55, 3420.	2.1	11
61	A multi-channel Raman Lidar in photon counting mode using SiPM technology. , 2016, , .		1
62	How mission requirements affect observations: case of the PICARD mission. Proceedings of SPIE, 2016, , .	0.8	0
63	Tidal effects on stratospheric temperature series derived from successive advanced microwave sounding units. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 477-483.	1.0	13
64	ON THE CONSTANCY OF THE DIAMETER OF THE SUN DURING THE RISING PHASE OF SOLAR CYCLE 24. Astrophysical Journal, 2015, 808, 4.	1.6	17
65	Comparison of co-located independent ground-based middle atmospheric wind and temperature measurements with numerical weather prediction models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8318-8331.	1.2	85
66	Variability in Antarctic ozone loss in the last decade (2004-2013): high-resolution simulations compared to Aura MLS observations. Atmospheric Chemistry and Physics, 2015, 15, 10385-10397.	1.9	19
67	Convective gravity wave propagation and breaking in the stratosphere: comparison between WRF model simulations and lidar data. Annales Geophysicae, 2015, 33, 1155-1171.	0.6	13
68	Seasonal variation of gravity wave activity at midlatitudes from 7-years of COSMIC GPS and Rayleigh lidar temperature observations. Geophysical Research Letters, 2015, 42, 1251-1258.	1.5	32
69	Introduction to the Maïdo Lidar Calibration Campaign dedicated to the validation of upper air meteorological parameters. Journal of Applied Remote Sensing, 2015, 9, 094099.	0.6	13
70	Water vapor observations up to the lower stratosphere through the Raman lidar during the Maïdo Lidar Calibration Campaign. Atmospheric Measurement Techniques, 2015, 8, 1425-1445.	1.2	15
71	On the Determination and Constancy of the Solar Oblateness. Solar Physics, 2015, 290, 673-687.	1.0	14
72	Ground-based measurements of the solar diameter during the rising phase of solar cycle 24. Astronomy and Astrophysics, 2014, 569, A60.	2.1	10

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73	Vertical distribution of gravity wave potential energy from long-term Rayleigh lidar data at a northern middle-latitude site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,069.	1.2	35
74	SUAVE: a UV telescope for space weather and solar variability studies. , 2014, , .		1
75	Thermal effects on solar images recorded in space. , 2014, , .		0
76	A nano-satellite to study the Sun and the Earth. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
77	Validation of GOMOS ozone precision estimates in the stratosphere. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2147-2158.	1.2	12
78	Solar astrophysical fundamental parameters. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
79	NEW SPACE VALUE OF THE SOLAR OBLATENESS OBTAINED WITH<i>PICARD</i>. <i>Astrophysical Journal</i> , 2014, 785, 89.	1.6	10
80	SOLAR RADIUS DETERMINATION FROM SODISM/PICARD AND HMI/<i>SDO</i> OBSERVATIONS OF THE DECREASE OF THE SPECTRAL SOLAR RADIANCE DURING THE 2012 JUNE VENUS TRANSIT. <i>Astrophysical Journal</i> , 2014, 783, 127.	1.6	15
81	The Plate Scale of the SODISM Instrument and the Determination of the Solar Radius at 607.1 nm. <i>Solar Physics</i> , 2014, 289, 1-10.	1.0	20
82	Picard SODISM, a Space Telescope to Study the Sun from the Middle Ultraviolet to the Near Infrared. <i>Solar Physics</i> , 2014, 289, 1043-1076.	1.0	33
83	O ₂ and OH Night Airglow Emission Derived from GOMOS-Envisat Instrument. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 1301-1311.	0.5	10
84	Dark signal correction for a lukeycold frame-transfer CCD. <i>Astronomy and Astrophysics</i> , 2014, 561, A17.	2.1	5
85	The PICARD Scientific Mission: status of the program. , 2014, , .		1
86	The Space Weather and Ultraviolet Solar Variability (SWUSV) Microsatellite Mission. <i>Journal of Advanced Research</i> , 2013, 4, 235-251.	4.4	12
87	OCLO slant column densities derived from GOMOS averaged transmittance measurements. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2953-2964.	1.2	2
88	Harmonized dataset of ozone profiles from satellite limb and occultation measurements. <i>Earth System Science Data</i> , 2013, 5, 349-363.	3.7	52
89	MaÃdo observatory: a new high-altitude station facility at Reunion Island (21Â° S, 55Â° E) for long-term atmospheric remote sensing and in situ measurements. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2865-2877.	1.2	74
90	A new climatology of aerosols in the middle and upper stratosphere by alternative analysis of GOMOS observations during 2002â€“2006. <i>International Journal of Remote Sensing</i> , 2013, 34, 4986-5029.	1.3	9

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91	PICARD payload thermal control system and general impact of the space environment on astronomical observations. , 2013, , .		4
92	Impact of land convection on temperature diurnal variation in the tropical lower stratosphere inferred from COSMIC GPS radio occultations. Atmospheric Chemistry and Physics, 2013, 13, 6391-6402.	1.9	22
93	A climatology of frozen-in anticyclones in the spring arctic stratosphere over the period 1960-2011. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1299-1311.	1.2	9
94	PICARD SOL, a new ground-based facility for long-term solar radius measurements: first results. Journal of Physics: Conference Series, 2013, 440, 012003.	0.3	4
95	Helioseismology with PICARD. Journal of Physics: Conference Series, 2013, 440, 012025.	0.3	10
96	PICARD SOL mission, a ground-based facility for long-term solar radius measurement. , 2012, , .		3
97	Atmospheric seeing measurements obtained with MISOLFA in the framework of the PICARD Mission. , 2012, , .		1
98	Contribution of stratospheric warmings to temperature trends in the middle atmosphere from the lidar series obtained at Haute-Provence Observatory (44°N). Journal of Geophysical Research, 2012, 117, .	3.3	28
99	How Earth atmospheric radiations may affect astronomical observations from low-orbit satellites. , 2012, , .		4
100	Stratosphere NO _y Species Measured by MIPAS and GOMOS Onboard ENVISAT During 2002-2010: Influence of Plasma Processes onto the Observed Distribution and Variability. Space Science Reviews, 2012, 168, 315-332.	3.7	10
101	Modes of variability of the vertical temperature profile of the middle atmosphere at mid-latitude: Similarities with solar forcing. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 75-76, 92-97.	0.6	9
102	Dynamical amplification of the stratospheric solar response simulated with the Chemistry-Climate Model LMDz-Reprobus. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 75-76, 147-160.	0.6	22
103	Investigations of stratospheric temperature regional variability with lidar and Advanced Microwave Sounding Unit. Journal of Geophysical Research, 2011, 116, .	3.3	9
104	Middle atmosphere temperature trend and solar cycle revealed by long-term Rayleigh lidar observations. Journal of Geophysical Research, 2011, 116, .	3.3	15
105	Major influence of tropical volcanic eruptions on the stratospheric aerosol layer during the last decade. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	303
106	Frozen-in anticyclones occurring in polar Northern Hemisphere during springtime: Characterization, occurrence and link with quasi-biennial oscillation. Journal of Geophysical Research, 2011, 116, .	3.3	11
107	An overview of the HIBISCUS campaign. Atmospheric Chemistry and Physics, 2011, 11, 2309-2339.	1.9	18
108	Analysis of a rapid increase of stratospheric ozone during late austral summer 2008 over Kerguelen (49.4° S, 70.3° E). Atmospheric Chemistry and Physics, 2011, 11, 363-373.	1.9	15

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109	Coherence of long-term stratospheric ozone vertical distribution time series used for the study of ozone recovery at a northern mid-latitude station. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4957-4975.	1.9	32
110	An evaluation of uncertainties in monitoring middle atmosphere temperatures with the ground-based lidar network in support of space observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 627-642.	0.6	34
111	Measurements of Humidity in the Atmosphere and Validation Experiments (MOHAVE)-2009: overview of campaign operations and results. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2579-2605.	1.2	41
112	Retrieval of ozone profiles from GOMOS limb scattered measurements. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 659-667.	1.2	10
113	Stratosphere NO _y Species Measured by MIPAS and GOMOS Onboard ENVISAT During 2002–2010: Influence of Plasma Processes onto the Observed Distribution and Variability. <i>Space Sciences Series of ISSI</i> , 2011, , 315-332.	0.0	0
114	Étude des phénomènes météorologiques océaniques et méditerranéens interagissant sur la généralisation des crues exceptionnelles du bassin de la Seine à l'amont de Paris. <i>Houille Blanche</i> , 2011, 97, 30-36.	0.3	0
115	GOMOS O ₃ , NO ₂ , and NO ₃ observations in 2002–2008. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7723-7738.	1.9	55
116	Mid-latitude ozone monitoring with the GOMOS-ENVISAT experiment version 5: the noise issue. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11839-11849.	1.9	13
117	Retrieval of atmospheric parameters from GOMOS data. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11881-11903.	1.9	71
118	Global ozone monitoring by occultation of stars: an overview of GOMOS measurements on ENVISAT. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 12091-12148.	1.9	102
119	First climatology of polar mesospheric clouds from GOMOS/ENVISAT stellar occultation instrument. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2723-2735.	1.9	18
120	Climatology and comparison of ozone from ENVISAT/GOMOS and SHADOZ/balloon-sonde observations in the southern tropics. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8025-8035.	1.9	11
121	Response of tropical stratospheric O ₃ , NO ₂ and NO ₃ to the equatorial Quasi-Biennial Oscillation and to temperature as seen from GOMOS/ENVISAT. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8873-8879.	1.9	26
122	A global climatology of the mesospheric sodium layer from GOMOS data during the 2002–2008 period. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9225-9236.	1.9	35
123	GOMOS data characterisation and error estimation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9505-9519.	1.9	43
124	Optical extinction by upper tropospheric/stratospheric aerosols and clouds: GOMOS observations for the period 2002–2008. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7997-8009.	1.9	31
125	Nocturnal temperature changes over tropics during CAWSES-III campaign: Comparison with numerical models and satellite data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 1171-1179.	0.6	7
126	Isentropic modeling of a cirrus cloud event observed in the midlatitude upper troposphere and lower stratosphere. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13

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127	Observation of the thermal structure and dynamics of the stratosphere and the mesosphere from space. <i>Comptes Rendus - Geoscience</i> , 2010, 342, 323-330.	0.4	1
128	Retrievals from GOMOS stellar occultation measurements using characterization of modeling errors. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1019-1027.	1.2	21
129	Analysis of the spatial distribution of the unusual NO ₂ enhancements in the Arctic polar upper stratosphere and mesosphere observed by GOMOS/Envisat in January–March 2004. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	2
130	Ozone and temperature trends in the upper stratosphere at five stations of the Network for the Detection of Atmospheric Composition Change. <i>International Journal of Remote Sensing</i> , 2009, 30, 3875-3886.	1.3	94
131	Seasonal oscillations of middle atmosphere temperature observed by Rayleigh lidars and their comparisons with TIMED/SABER observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
132	Simultaneous measurements of OClO, NO ₂ and O ₃ in the Arctic polar vortex by the GOMOS instrument. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7857-7866.	1.9	15
133	Spatio-temporal observations of the tertiary ozone maximum. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4439-4445.	1.9	29
134	Evaluation of balloon and satellite water vapour measurements in the Southern tropical and subtropical UTLS during the HIBISCUS campaign. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5299-5319.	1.9	19
135	Influence of scintillation on quality of ozone monitoring by GOMOS. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9197-9207.	1.9	33
136	Validation of GOMOS/Envisat High-Resolution Temperature Profiles (H RTP) Using Spectral Analysis. , 2009, , 97-107.		4
137	Measuring Venus™ winds using the Absolute Astronomical Accelerometer: Solid super-rotation model of Venus™ clouds. <i>Planetary and Space Science</i> , 2008, 56, 1454-1466.	0.9	11
138	Cross-validation of Advanced Microwave Sounding Unit and lidar for long-term upper stratospheric temperature monitoring. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
139	Increased UV radiation due to polar ozone chemical depletion and vortex occurrences at Southern Sub-polar Latitudes in the period [1997–2005]. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5339-5352.	1.9	6
140	Examination of the 2002 major warming in the southern hemisphere using ground-based and Odin/SMR assimilated data: stratospheric ozone distributions and tropic/mid-latitude exchange. <i>Canadian Journal of Physics</i> , 2007, 85, 1287-1300.	0.4	34
141	Observation of Polar Stratospheric Clouds down to the Mediterranean coast. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5275-5281.	1.9	11
142	Global analysis of scintillation variance: Indication of gravity wave breaking in the polar winter upper stratosphere. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	23
143	Comparison of polar ozone loss rates simulated by one-dimensional and three-dimensional models with Match observations in recent Antarctic and Arctic winters. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	20
144	Temperature retrieval from stratospheric O ₃ and NO ₃ GOMOS data. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	14

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145	Remote sensing measurements in the polar vortex: Comparison to in situ observations and implications for the simultaneous retrievals and analysis of the NO ₂ and OClO species. Journal of Geophysical Research, 2007, 112, .	3.3	18
146	Large increase of NO ₂ in the north polar mesosphere in January–February 2004: Evidence of a dynamical origin from GOMOS/ENVISAT and SABER/TIMED data. Geophysical Research Letters, 2007, 34, .	1.5	66
147	SPICAV on Venus Express: Three spectrometers to study the global structure and composition of the Venus atmosphere. Planetary and Space Science, 2007, 55, 1673-1700.	0.9	160
148	A warm layer in Venus' cryosphere and high-altitude measurements of HF, HCl, H ₂ O and HDO. Nature, 2007, 450, 646-649.	13.7	161
149	Impact of Solar Activity on Stratospheric Ozone and NO ₂ Observed by Gomos/Envisat. Space Science Reviews, 2007, 125, 393-402.	3.7	6
150	Impact of Solar Activity on Stratospheric Ozone and No ₂ Observed by GOMOS/ENVISAT. , 2007, , 393-402.		1
151	Methodological uncertainties in multi-regression analyses of middle-atmospheric data series. Journal of Environmental Monitoring, 2006, 8, 682.	2.1	15
152	On the vertical structure of the stratosphere at midlatitudes during the first stage of the polar vortex formation and in the polar region in the presence of a large mesospheric descent. Journal of Geophysical Research, 2006, 111, .	3.3	30
153	A global OClO stratospheric layer discovered in GOMOS stellar occultation measurements. Geophysical Research Letters, 2006, 33, .	1.5	17
154	Forecast, measurement, and modeling of an unprecedented polar ozone filament event over Mauna Loa Observatory, Hawaii. Journal of Geophysical Research, 2006, 111, .	3.3	7
155	Nighttime ozone profiles in the stratosphere and mesosphere by the Global Ozone Monitoring by Occultation of Stars on Envisat. Journal of Geophysical Research, 2006, 111, .	3.3	55
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