

# Paul Hartogh

## List of Publications by Year in descending order

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131  
papers

4,870  
citations

87888

38  
h-index

114465

63  
g-index

149  
all docs

149  
docs citations

149  
times ranked

3246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean-like water in the Jupiter-family comet 103P/Hartley 2. <i>Nature</i> , 2011, 478, 218-220.	27.8	412
2	Strong water isotopic anomalies in the martian atmosphere: Probing current and ancient reservoirs. <i>Science</i> , 2015, 348, 218-221.	12.6	245
3	Subsurface properties and early activity of comet 67P/Churyumov-Gerasimenko. <i>Science</i> , 2015, 347, aaa0709.	12.6	217
4	MIRO: Microwave Instrument for Rosetta Orbiter. <i>Space Science Reviews</i> , 2007, 128, 561-597.	8.1	173
5	Modeling the effects of gravity wave momentum deposition on the general circulation above the turbopause. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	119
6	The Atmospheric Chemistry Suite (ACS) of Three Spectrometers for the ExoMars 2016 Trace Gas Orbiter. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	119
7	<i>Herschel</i> measurements of the $D/H$ and $^{16}O/^{18}O$ ratios in water in the Oort-cloud comet C/2009AP1 (Garradd). <i>Astronomy and Astrophysics</i> , 2012, 544, L15.	5.1	115
8	Water vapor of the polar middle atmosphere: Annual variation and summer mesosphere Conditions as observed by ground-based microwave spectroscopy. <i>Geophysical Research Letters</i> , 1999, 26, 1517-1520.	4.0	100
9	<i>EPOXI</i> : COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2011, 734, L1.	8.3	96
10	Influence of gravity waves on the Martian atmosphere: General circulation modeling. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	89
11	MIRO observations of subsurface temperatures of the nucleus of 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A29.	5.1	81
12	The D/H ratio in the atmospheres of Uranus and Neptune from <i>Herschel</i> -PACS observations. <i>Astronomy and Astrophysics</i> , 2013, 551, A126.	5.1	76
13	A high-resolution chirp transform spectrometer for microwave measurements. <i>Measurement Science and Technology</i> , 1990, 1, 592-595.	2.6	73
14	A <i>HERSCHEL</i> STUDY OF D/H IN WATER IN THE JUPITER-FAMILY COMET 45P/HONDA-MRKOS-PAJDUÁÁKOVÁ AND PROSPECTS FOR D/H MEASUREMENTS WITH CCAT. <i>Astrophysical Journal Letters</i> , 2013, 774, L3.	8.3	73
15	Description and climatology of a new general circulation model of the Martian atmosphere. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	63
16	Polar mesospheric clouds formed from space shuttle exhaust. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	62
17	The abundance, vertical distribution and origin of H <sub>2</sub> O in Titan's atmosphere: <i>Herschel</i> observations and photochemical modelling. <i>Icarus</i> , 2012, 221, 753-767.	2.5	61
18	Spatial and diurnal variation of water outgassing on comet 67P/Churyumov-Gerasimenko observed from Rosetta/MIRO in August 2014. <i>Astronomy and Astrophysics</i> , 2015, 583, A5.	5.1	61

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19	First results of <i>Herschel</i> -PACS observations of Neptune. <i>Astronomy and Astrophysics</i> , 2010, 518, L152.	5.1	60
20	Distribution of water around the nucleus of comet 67P/Churyumov-Gerasimenko at 3.4 AU from the Sun as seen by the MIRO instrument on Rosetta. <i>Astronomy and Astrophysics</i> , 2015, 583, A3.	5.1	60
21	Direct detection of the Enceladus water torus with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2011, 532, L2.	5.1	59
22	Water and related chemistry in the solar system. A guaranteed time key programme for <i>Herschel</i> . <i>Planetary and Space Science</i> , 2009, 57, 1596-1606.	1.7	58
23	<i>Herschel</i> /HIFI observations of Mars: First detection of O <sub>2</sub> at submillimetre wavelengths and upper limits on HCl and H <sub>2</sub> O <sub>2</sub> . <i>Astronomy and Astrophysics</i> , 2010, 521, L49.	5.1	57
24	The first submillimeter observation of CO in the stratosphere of Uranus. <i>Astronomy and Astrophysics</i> , 2014, 562, A33.	5.1	52
25	On the spatiotemporal behavior of ozone within the upper mesosphere/mesopause region under nearly polar night conditions. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	51
26	Cooling of the Martian thermosphere by CO <sub>2</sub> radiation and gravity waves: An intercomparison study with two general circulation models. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 913-927.	3.6	51
27	Constraints on Titan's middle atmosphere ammonia abundance from <i>Herschel</i> /SPIRE sub-millimetre spectra. <i>Planetary and Space Science</i> , 2013, 75, 136-147.	1.7	50
28	Seasonal Water "Pump" in the Atmosphere of Mars: Vertical Transport to the Thermosphere. <i>Geophysical Research Letters</i> , 2019, 46, 4161-4169.	4.0	50
29	Dynamical effects of internal gravity waves in the equinoctial thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 90-91, 104-116.	1.6	49
30	General circulation modeling of the Martian upper atmosphere during global dust storms. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2234-2246.	3.6	49
31	Estimates of gravity wave drag on Mars: Indication of a possible lower thermospheric wind reversal. <i>Icarus</i> , 2011, 211, 909-912.	2.5	48
32	Spatially resolved evolution of the local H <sub>2</sub> O production rates of comet 67P/Churyumov-Gerasimenko from the MIRO instrument on Rosetta. <i>Astronomy and Astrophysics</i> , 2017, 603, A87.	5.1	46
33	The High Resolution Chirp Transform Spectrometer for the <i>Sofia</i> -Great Instrument. <i>Experimental Astronomy</i> , 2004, 18, 77-91.	3.7	43
34	Winter polar warmings and the meridional transport on Mars simulated with a general circulation model. <i>Icarus</i> , 2007, 186, 97-110.	2.5	42
35	Water vapor measurements at ALOMAR over a solar cycle compared with model calculations by LIMA. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	42
36	Dark side of comet 67P/Churyumov-Gerasimenko in Aug.-Oct. 2014. <i>Astronomy and Astrophysics</i> , 2015, 583, A28.	5.1	42

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37	Thermal inertia and roughness of the nucleus of comet 67P/Churyumovâ€“Gerasimenko from MIRO and VIRTIS observations. <i>Astronomy and Astrophysics</i> , 2018, 616, A122.	5.1	42
38	First detection of hydrogen isocyanide (HNC) in Titanâ€™s atmosphere. <i>Astronomy and Astrophysics</i> , 2011, 536, L12.	5.1	40
39	Hydroxyl layer: Mean state and trends at midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12391.	3.3	40
40	Noctilucent clouds and the mesospheric water vapour: the past decade. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 2449-2464.	4.9	39
41	Gravity waves and highâ€“altitude CO <sub>2</sub> ice cloud formation in the Martian atmosphere. <i>Geophysical Research Letters</i> , 2015, 42, 4294-4300.	4.0	39
42	Seasonal changes of the baroclinic wave activity in the northern hemisphere of Mars simulated with a GCM. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	37
43	A cometary origin for CO in the stratosphere of Saturn?. <i>Astronomy and Astrophysics</i> , 2010, 510, A88.	5.1	37
44	A study of the distant activity of comet C/2006â€“W3â€“ (Christensen) with <i>Herschel</i> and ground-based radio telescopes. <i>Astronomy and Astrophysics</i> , 2010, 518, L149.	5.1	35
45	Carbon dioxide ice clouds, snowfalls, and baroclinic waves in the northern winter polar atmosphere of Mars. <i>Geophysical Research Letters</i> , 2013, 40, 1484-1488.	4.0	35
46	<i>Herschel</i> /PACS spectroscopy of trace gases of the stratosphere of Titan. <i>Astronomy and Astrophysics</i> , 2014, 561, A4.	5.1	35
47	First detection of the 63â€“m atomic oxygen line in the thermosphere of Mars with GREAT/SOFIA. <i>Astronomy and Astrophysics</i> , 2015, 580, L10.	5.1	34
48	Comparison of the Martian thermospheric density and temperature from IUVS/MAVEN data and general circulation modeling. <i>Geophysical Research Letters</i> , 2016, 43, 3095-3104.	4.0	34
49	First observation of CO at 345GHz in the atmosphere of Saturn with the JCMT: New constraints on its origin. <i>Icarus</i> , 2009, 203, 531-540.	2.5	33
50	From cold to warm gas giants: A three-dimensional atmospheric general circulation modeling. <i>Icarus</i> , 2013, 225, 228-235.	2.5	33
51	Spatial distribution of water in the stratosphere of Jupiter from <i>Herschel</i> /HIFI and PACS observations. <i>Astronomy and Astrophysics</i> , 2013, 553, A21.	5.1	32
52	HIFI observations of water in the atmosphere of comet C/2008 Q3 (Garradd). <i>Astronomy and Astrophysics</i> , 2010, 518, L150.	5.1	31
53	Ammonia and other parent molecules in comet 10P/Tempel 2 from <i>Herschel</i> /HIFI and ground-based radio observations. <i>Astronomy and Astrophysics</i> , 2012, 539, A68.	5.1	31
54	Acceleration of cometary dust near the nucleus: application to 67P/Churyumovâ€“Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3410-3420.	4.4	31

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55	Middle atmosphere polar warmings on Mars: Simulations and study on the validation with sub-millimeter observations. <i>Planetary and Space Science</i> , 2007, 55, 1103-1112.	1.7	30
56	First results of <i>Herschel</i> -SPIRE observations of Titan. <i>Astronomy and Astrophysics</i> , 2011, 536, L2.	5.1	30
57	An upper limit for the water outgassing rate of the main-belt comet 176P/LINEAR observed with <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2012, 546, L4.	5.1	29
58	A case study on middle atmospheric water vapor transport during the February 1998 stratospheric warming. <i>Geophysical Research Letters</i> , 2000, 27, 3309-3312.	4.0	28
59	On Forcing the Winter Polar Warmings in the Martian Middle Atmosphere during Dust Storms. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87, 913-921.	1.8	28
60	DETERMINATION OF AN UPPER LIMIT FOR THE WATER OUTGASSING RATE OF MAIN-BELT COMET P/2012 T1 (PANSTARRS). <i>Astrophysical Journal Letters</i> , 2013, 774, L13.	8.3	27
61	Is near-surface ice the driver of dust activity on 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2017, 600, A142.	5.1	27
62	New constraints on the CH <sub>4</sub> vertical profile in Uranus and Neptune from <i>Herschel</i> observations. <i>Astronomy and Astrophysics</i> , 2015, 579, A121.	5.1	27
63	A digital dispersive matching network for SAW devices in chirp transform spectrometers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006, 54, 1415-1424.	4.6	26
64	On the winter anomaly of the night-to-day ratio of ozone in the middle to upper mesosphere in middle to high latitudes. <i>Advances in Space Research</i> , 2007, 40, 846-854.	2.6	26
65	Water production in comet 81P/Wild <sup>2</sup> as determined by <i>Herschel</i> /HIFI. <i>Astronomy and Astrophysics</i> , 2010, 521, L50.	5.1	25
66	Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. <i>Space Science Reviews</i> , 2015, 197, 297-342.	8.1	25
67	A global view of gravity waves in the Martian atmosphere inferred from a high-resolution general circulation model. <i>Geophysical Research Letters</i> , 2015, 42, 9213-9222.	4.0	24
68	<i>Ground-based detection of middle atmospheric water vapor</i> . , 1995, 2586, 188.		23
69	Long-term behavior of the concentration of the minor constituents in the mesosphere – a model study. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2779-2792.	4.9	23
70	Influence of dust on the dynamics of the martian atmosphere above the first scale height. <i>Aeolian Research</i> , 2011, 3, 145-156.	2.7	23
71	The quasi 5-day signal in the mesospheric water vapor concentration at high latitudes in 2003 – a comparison between observations at ALOMAR and calculations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
72	Influence of gravity waves on the climatology of high-altitude Martian carbon dioxide ice clouds. <i>Annales Geophysicae</i> , 2018, 36, 1631-1646.	1.6	22

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73	Gravity Wave Activity in the Martian Atmosphere at Altitudes 20–160 km From ACS/TGO Occultation Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006899.	3.6	22
74	Sounding of Titan's atmosphere at submillimeter wavelengths from an orbiting spacecraft. <i>Planetary and Space Science</i> , 2010, 58, 1724-1739.	1.7	20
75	Global Distribution of Gravity Wave Sources and Fields in the Martian Atmosphere during Equinox and Solstice Inferred from a High-Resolution General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4895-4909.	1.7	20
76	A comparison of multiple Rosetta data sets and 3D model calculations of 67P/Churyumov-Gerasimenko coma around equinox (May 2015). <i>Icarus</i> , 2019, 328, 104-126.	2.5	20
77	HCN SPECTROSCOPY OF COMET 73P/SCHWASSMANN-WACHMANN 3. A STUDY OF GAS EVOLUTION AND ITS LINK TO CN. <i>Astrophysical Journal</i> , 2010, 715, 1258-1269.	4.5	19
78	First results on Martian carbon monoxide from <i>Herschel</i> /HIFI observations. <i>Astronomy and Astrophysics</i> , 2010, 521, L48.	5.1	19
79	Searches for HCl and HF in comets 103P/Hartley 2 and C/2009 P1 (Garradd) with the <i>Herschel</i> Space Observatory. <i>Astronomy and Astrophysics</i> , 2014, 562, A5.	5.1	19
80	Hydroxyl layer: trend of number density and intra-annual variability. <i>Annales Geophysicae</i> , 2015, 33, 749-767.	1.6	19
81	High-resolution chirp transform spectrometer for middle atmospheric microwave sounding. , 1997, , .		18
82	Overview of the Martian atmospheric submillimetre sounder FIRE. <i>Planetary and Space Science</i> , 2012, 63-64, 62-82.	1.7	18
83	Laboratory Studies Towards Understanding Comets. <i>Space Science Reviews</i> , 2015, 197, 101-150.	8.1	18
84	The HCN molecule as a tracer of the nucleus rotation of comet 73P-C/Schwassmann-Wachmann 3. <i>Astronomy and Astrophysics</i> , 2010, 510, A55.	5.1	17
85	Ozone distribution in the middle latitude mesosphere as derived from microwave measurements at Lindau (51.66°N, 10.13°E). <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	16
86	Bright polar mesospheric clouds formed by main engine exhaust from the space shuttle's final launch. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	16
87	Density Fluctuations in the Lower Thermosphere of Mars Retrieved From the ExoMars Trace Gas Orbiter (TGO) Aerobraking. <i>Atmosphere</i> , 2019, 10, 620.	2.3	16
88	Latitudinal distribution of upper stratospheric ClO as derived from Space Borne Microwave Spectroscopy. <i>Geophysical Research Letters</i> , 1996, 23, 2321-2324.	4.0	15
89	<i>Herschel</i> map of Saturn's stratospheric water, delivered by the plumes of Enceladus. <i>Astronomy and Astrophysics</i> , 2019, 630, A87.	5.1	15
90	Behavior of mesospheric ozone under nearly polar night conditions. <i>Advances in Space Research</i> , 2006, 38, 2402-2407.	2.6	14

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91	Odin space telescope monitoring of water vapor in the stratosphere of Jupiter. <i>Planetary and Space Science</i> , 2012, 61, 3-14.	1.7	14
92	Modeling the Hydrological Cycle in the Atmosphere of Mars: Influence of a Bimodal Size Distribution of Aerosol Nucleation Particles. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 508-526.	3.6	14
93	Ozone trends in the mid-latitude stratopause region based on microwave measurements at Lindau (51.66° N, 10.13° E), the ozone reference model, and model calculations. <i>Advances in Space Research</i> , 2011, 47, 1937-1948.	2.6	13
94	First detection of tidal behaviour in polar mesospheric water vapour by ground based microwave spectroscopy. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3753-3759.	4.9	13
95	Parameterization of radiative heating and cooling rates in the stratosphere of Jupiter. <i>Icarus</i> , 2014, 242, 149-157.	2.5	13
96	The SPARC water vapor assessment II: intercomparison of satellite and ground-based microwave measurements. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14543-14558.	4.9	13
97	<i>Herschel</i> observations of gas and dust in comet C/2006 W3 (Christensen) at 5 AU from the Sun. <i>Astronomy and Astrophysics</i> , 2014, 564, A124.	5.1	12
98	Gas flow in near surface comet like porous structures: Application to 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , 2018, 161, 57-67.	1.7	12
99	ARIS-Campaign: intercomparison of three ground based 22 GHz radiometers for middle atmospheric water vapor at the Zugspitze in winter 2009. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 1979-1994.	3.1	11
100	A survey of volatile species in Oort cloud comets C/2001 Q4 (NEAT) and C/2002 T7 (LINEAR) at millimeter wavelengths. <i>Astronomy and Astrophysics</i> , 2013, 559, A48.	5.1	10
101	Solving non-LTE problems in rotational transitions using the Gauss-Seidel method and its implementation in the Atmospheric Radiative Transfer Simulator. <i>Astronomy and Astrophysics</i> , 2018, 619, A181.	5.1	10
102	General circulation modeling of the Martian upper atmosphere during global dust storms. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, n/a-n/a.	3.6	10
103	Martian Dust Storms and Gravity Waves: Disentangling Water Transport to the Upper Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	3.6	10
104	The <i>Herschel</i> -SPIRE submillimetre spectrum of Mars. <i>Astronomy and Astrophysics</i> , 2010, 518, L151.	5.1	9
105	Photochemical response to the variation of temperature in the 2011~2012 stratospheric vortex of Saturn. <i>Astronomy and Astrophysics</i> , 2015, 580, A55.	5.1	9
106	Analysis of nonlinear effects in microwave spectrometers. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	8
107	Anthropogenic effects on the distribution of minor chemical constituents in the mesosphere/lower thermosphere – A model study. <i>Advances in Space Research</i> , 2012, 50, 598-618.	2.6	8
108	Ion Friction and Quantification of the Geomagnetic Influence on Gravity Wave Propagation and Dissipation in the Thermosphere-Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,464.	2.4	8

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109	Origins space telescope: from first light to life. <i>Experimental Astronomy</i> , 2021, 51, 595.	3.7	8
110	Variations of the Martian Thermospheric Gravity-wave Activity during the Recent Solar Minimum as Observed by MAVEN. <i>Astrophysical Journal</i> , 2021, 920, 69.	4.5	8
111	<title>Retrieval of data from ground-based microwave sensing of the middle atmosphere: comparison of two inversion techniques</title>. , 1995, , .		7
112	Submillimetric spectroscopic observations of volatiles in comet C/2004 Q2 (Machholz). <i>Astronomy and Astrophysics</i> , 2012, 545, A2.	5.1	7
113	Three-dimensional analysis of spatial resolution of MIRO/Rosetta measurements at 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A34.	5.1	7
114	Validation of stratospheric ClO measurements from the Millimeter-wave Atmospheric Sounder (MAS). <i>Journal of Geophysical Research</i> , 2000, 105, 9053-9062.	3.3	6
115	Mars submillimeter sensor on microsatellite: sensor feasibility study. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2018, 7, 331-341.	1.6	6
116	A NEW, HIGH-PERFORMANCE, HETERODYNE SPECTROMETER FOR GROUND-BASED REMOTE SENSING OF MESOSPHERIC WATER VAPOUR. , 0, , 569-578.		6
117	<title>Ground-based microwave detection of middle atmospheric ozone</title>. , 1995, 2586, 206.		5
118	HCN and CN in Comet 2P/Encke: Models of the non-isotropic, rotation-modulated coma and CN parent life time. <i>Icarus</i> , 2011, 215, 153-185.	2.5	5
119	Transport Characteristics of a Hierarchical Near-Surface Layer of the Nucleus of Comet 67P/Churyumov-Gerasimenko. <i>Solar System Research</i> , 2022, 56, 100-121.	0.7	5
120	Martian magnetism with orbiting sub-millimeter sensor: simulated retrieval system. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2017, 6, 27-37.	1.6	4
121	Retrieval of wind, temperature, water vapor and other trace constituents in the Martian Atmosphere. <i>Planetary and Space Science</i> , 2018, 161, 26-40.	1.7	4
122	Upper stratospheric ozone decrease events due to a positive feedback between ozone and the ozone dissociation rate. <i>Nonlinear Processes in Geophysics</i> , 2009, 16, 409-418.	1.3	4
123	Subseasonal variability of water vapor in the upper stratosphere/lower mesosphere over Northern Europe in winter 2009/2010. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 114, 9-18.	1.6	3
124	Gas terminal velocity from MIRO/Rosetta data using neural network approach. <i>Astronomy and Astrophysics</i> , 2021, 648, A21.	5.1	3
125	<title>Multiband chirp transform spectrometer for the microwave remote sensing of middle-atmospheric trace gases</title>. , 1995, , .		2
126	Preparation for the solar system observations with Herschel: Simulation of Jupiter observations with PACS. <i>Planetary and Space Science</i> , 2010, 58, 1692-1698.	1.7	2



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127	Investigations of the Solar Influence on Middle Atmospheric Water Vapour and Ozone During the Last Solar Cycle—Analysis of the MPS Data Set. Springer Atmospheric Sciences, 2013, , 109-124.	0.3	1
128	THE DOPPLER-SONNEMANN EFFECT (DSE) ON THE PHOTOCHEMISTRY ON MARS. , 0, , 163-175.		1
129	Solar System Science with the Orbiting Astronomical Satellite Investigating Stellar Systems (OASIS) Observatory. Space Science Reviews, 2022, 218, .	8.1	1
130	Laboratory Studies Towards Understanding Comets. , 2017, , 101-150.		0
131	Constraints from Comets on the Formation and Volatile Acquisition of the Planets and Satellites. , 2017, , 297-342.		0