

Nicholas A Teanby

List of Publications by Year in descending order

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172
papers

9,128
citations

31976

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45317

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175
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175
docs citations

175
times ranked

4626
citing authors

#	ARTICLE	IF	CITATIONS
1	The NEMESIS planetary atmosphere radiative transfer and retrieval tool. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 1136-1150.	2.3	415
2	The composition of Titan's stratosphere from Cassini/CIRS mid-infrared spectra. <i>Icarus</i> , 2007, 189, 35-62.	2.5	367
3	Titan's Atmospheric Temperatures, Winds, and Composition. <i>Science</i> , 2005, 308, 975-978.	12.6	318
4	Initial results from the InSight mission on Mars. <i>Nature Geoscience</i> , 2020, 13, 183-189.	12.9	274
5	SEIS: Insight's Seismic Experiment for Internal Structure of Mars. <i>Space Science Reviews</i> , 2019, 215, 12.	8.1	238
6	Automation of Shear-Wave Splitting Measurements using Cluster Analysis. <i>Bulletin of the Seismological Society of America</i> , 2004, 94, 453-463.	2.3	227
7	Mars Climate Sounder limb profile retrieval of atmospheric temperature, pressure, and dust and water ice opacity. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	220
8	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. <i>Nature Geoscience</i> , 2020, 13, 213-220.	12.9	207
9	The seismicity of Mars. <i>Nature Geoscience</i> , 2020, 13, 205-212.	12.9	194
10	Temperatures, Winds, and Composition in the Saturnian System. <i>Science</i> , 2005, 307, 1247-1251.	12.6	184
11	Structure and dynamics of the Martian lower and middle atmosphere as observed by the Mars Climate Sounder: Seasonal variations in zonal mean temperature, dust, and water ice aerosols. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	183
12	Vertical abundance profiles of hydrocarbons in Titan's atmosphere at 15° S and 80° N retrieved from Cassini/CIRS spectra. <i>Icarus</i> , 2007, 188, 120-138.	2.5	176
13	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission. <i>Icarus</i> , 2010, 205, 559-570.	2.5	168
14	Titan trace gaseous composition from CIRS at the end of the Cassini's Huygens prime mission. <i>Icarus</i> , 2010, 207, 461-476.	2.5	161
15	The atmosphere of Mars as observed by InSight. <i>Nature Geoscience</i> , 2020, 13, 190-198.	12.9	161
16	Phosphine on Jupiter and Saturn from Cassini/CIRS. <i>Icarus</i> , 2009, 202, 543-564.	2.5	153
17	Methane and its isotopologues on Saturn from Cassini/CIRS observations. <i>Icarus</i> , 2009, 199, 351-367.	2.5	143
18	Truncated myosin XI tail fusions inhibit peroxisome, Golgi, and mitochondrial movement in tobacco leaf epidermal cells: a genetic tool for the next generation. <i>Journal of Experimental Botany</i> , 2008, 59, 2499-2512.	4.8	140

#	ARTICLE	IF	CITATIONS
19	Oxygen compounds in Titan's stratosphere as observed by Cassini CIRS. <i>Icarus</i> , 2007, 186, 354-363.	2.5	127
20	Vertical profiles of HCN, HC3N, and C2H2 in Titan's atmosphere derived from Cassini/CIRS data. <i>Icarus</i> , 2007, 186, 364-384.	2.5	121
21	Martian dust storm impact on atmospheric H2O and D/H observed by ExoMars Trace Gas Orbiter. <i>Nature</i> , 2019, 568, 521-525.	27.8	107
22	Latitudinal variations of HCN, HC3N, and C2N2 in Titan's stratosphere derived from Cassini CIRS data. <i>Icarus</i> , 2006, 181, 243-255.	2.5	105
23	Temperature and Composition of Saturn's Polar Hot Spots and Hexagon. <i>Science</i> , 2008, 319, 79-81.	12.6	103
24	Seasonal variations in Titan's middle atmosphere during the northern spring derived from Cassini/CIRS observations. <i>Icarus</i> , 2015, 250, 95-115.	2.5	99
25	Titan's stratospheric C2N2, C3H4, and C4H2 abundances from Cassini/CIRS far-infrared spectra. <i>Icarus</i> , 2009, 202, 620-631.	2.5	96
26	Characteristics of Titan's stratospheric aerosols and condensate clouds from Cassini CIRS far-infrared spectra. <i>Icarus</i> , 2007, 191, 223-235.	2.5	95
27	Automatic measurement of shear wave splitting and applications to time varying anisotropy at Mount Ruapehu volcano, New Zealand. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	95
28	Stress-induced temporal variations in seismic anisotropy observed in microseismic data. <i>Geophysical Journal International</i> , 2004, 156, 459-466.	2.4	91
29	ISOTOPIC RATIOS IN TITAN'S METHANE: MEASUREMENTS AND MODELING. <i>Astrophysical Journal</i> , 2012, 749, 159.	4.5	91
30	Atmospheric Science with InSight. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	88
31	DETECTION OF PROPENE IN TITAN'S STRATOSPHERE. <i>Astrophysical Journal Letters</i> , 2013, 776, L14.	8.3	84
32	Characterising Saturn's vertical temperature structure from Cassini/CIRS. <i>Icarus</i> , 2007, 189, 457-478.	2.5	80
33	Active upper-atmosphere chemistry and dynamics from polar circulation reversal on Titan. <i>Nature</i> , 2012, 491, 732-735.	27.8	80
34	A detailed palaeointensity and inclination record from drill core SOH1 on Hawaii. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 131, 101-140.	1.9	77
35	Geology and Physical Properties Investigations by the InSight Lander. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	77
36	ETHYL CYANIDE ON TITAN: SPECTROSCOPIC DETECTION AND MAPPING USING ALMA. <i>Astrophysical Journal Letters</i> , 2015, 800, L14.	8.3	73

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37	Meridional variations of C ₂ H ₂ and C ₂ H ₆ in Jupiter's atmosphere from Cassini CIRS infrared spectra. <i>Icarus</i> , 2007, 188, 47-71.	2.5	72
38	Systematic assessment of atmospheric uncertainties for InSAR data at volcanic arcs using large-scale atmospheric models: Application to the Cascade volcanoes, United States. <i>Remote Sensing of Environment</i> , 2015, 170, 102-114.	11.0	72
39	Intense polar temperature inversion in the middle atmosphere on Mars. <i>Nature Geoscience</i> , 2008, 1, 745-749.	12.9	71
40	Detection of hydrogen sulfide above the clouds in Uranus's atmosphere. <i>Nature Astronomy</i> , 2018, 2, 420-427.	10.1	71
41	Improved near-infrared methane band models and k-distribution parameters from 2000 to 9500 cm ⁻¹ and implications for interpretation of outer planet spectra. <i>Icarus</i> , 2006, 181, 309-319.	2.5	69
42	In Vivo Quantification of Peroxisome Tethering to Chloroplasts in Tobacco Epidermal Cells Using Optical Tweezers. <i>Plant Physiology</i> , 2016, 170, 263-272.	4.8	66
43	Global and temporal variations in hydrocarbons and nitriles in Titan's stratosphere for northern winter observed by Cassini/CIRS. <i>Icarus</i> , 2008, 193, 595-611.	2.5	65
44	Seasonal change on Saturn from Cassini/CIRS observations, 2004-2009. <i>Icarus</i> , 2010, 208, 337-352.	2.5	63
45	Spatial and temporal variations in Titan's surface temperatures from Cassini CIRS observations. <i>Planetary and Space Science</i> , 2012, 60, 62-71.	1.7	63
46	The ¹² C/ ¹³ C isotopic ratio in Titan hydrocarbons from Cassini/CIRS infrared spectra. <i>Icarus</i> , 2008, 195, 778-791.	2.5	62
47	Seismic detection of meteorite impacts on Mars. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 186, 70-80.	1.9	61
48	HCN ice in Titan's high-altitude southern polar cloud. <i>Nature</i> , 2014, 514, 65-67.	27.8	59
49	Titan's winter polar vortex structure revealed by chemical tracers. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	58
50	ALMA detection and astrobiological potential of vinyl cyanide on Titan. <i>Science Advances</i> , 2017, 3, e1700022.	10.3	58
51	Titan's prolific propane: The Cassini CIRS perspective. <i>Planetary and Space Science</i> , 2009, 57, 1573-1585.	1.7	54
52	ALMA OBSERVATIONS OF HCN AND ITS ISOTOPOLOGUES ON TITAN. <i>Astronomical Journal</i> , 2016, 152, 42.	4.7	54
53	Estimates of seismic activity in the Cerberus Fossae region of Mars. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2570-2581.	3.6	53
54	ALMA MEASUREMENTS OF THE HNC AND HC ₃ N DISTRIBUTIONS IN TITAN'S ATMOSPHERE. <i>Astrophysical Journal Letters</i> , 2014, 795, L30.	8.3	53

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55	Dynamical implications of seasonal and spatial variations in Titan's stratospheric composition. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 697-711.	3.4	50
56	Constraints on Titan's middle atmosphere ammonia abundance from Herschel/SPIRE sub-millimetre spectra. Planetary and Space Science, 2013, 75, 136-147.	1.7	50
57	Infrared limb sounding of Titan with the Cassini Composite InfraRed Spectrometer: effects of the mid-IR detector spatial responses. Applied Optics, 2009, 48, 1912.	2.1	49
58	Impact-Seismic Investigations of the InSight Mission. Space Science Reviews, 2018, 214, 1.	8.1	48
59	EVOLUTION OF THE STRATOSPHERIC TEMPERATURE AND CHEMICAL COMPOSITION OVER ONE TITANIAN YEAR. Astrophysical Journal, 2013, 779, 177.	4.5	47
60	ISOTOPIC RATIOS OF CARBON AND OXYGEN IN TITAN'S CO USING ALMA. Astrophysical Journal Letters, 2016, 821, L8.	8.3	46
61	Probable detection of hydrogen sulphide (H ₂ S) in Neptune's atmosphere. Icarus, 2019, 321, 550-563.	2.5	46
62	Diagnostics of Titan's stratospheric dynamics using Cassini/CIRS data and the 2-dimensional IPSL circulation model. Icarus, 2008, 197, 556-571.	2.5	44
63	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. Experimental Astronomy, 2012, 33, 753-791.	3.7	44
64	An icosahedron-based method for even binning of globally distributed remote sensing data. Computers and Geosciences, 2006, 32, 1442-1450.	4.2	43
65	Isotopic Ratios in Titan's Atmosphere from Cassini CIRS Limb Sounding: HC ₃ N in the North. Astrophysical Journal, 2008, 681, L109-L111.	4.5	43
66	The application of new methane line absorption data to Gemini-N/NIFS and KPNO/FTS observations of Uranus' near-infrared spectrum. Icarus, 2012, 220, 369-382.	2.5	43
67	Isotopic Ratios in Titan's Atmosphere from Cassini CIRS Limb Sounding: CO ₂ at Low and Midlatitudes. Astrophysical Journal, 2008, 681, L101-L103.	4.5	42
68	Abundances of Jupiter's trace hydrocarbons from Voyager and Cassini. Planetary and Space Science, 2010, 58, 1667-1680.	1.7	42
69	The formation and evolution of Titan's winter polar vortex. Nature Communications, 2017, 8, 1586.	12.8	41
70	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. Space Science Reviews, 2018, 214, 1.	8.1	41
71	Upper limits for undetected trace species in the stratosphere of Titan. Faraday Discussions, 2010, 147, 65.	3.2	40
72	Topographic, spectral and thermal inertia analysis of interior layered deposits in Iani Chaos, Mars. Icarus, 2012, 221, 20-42.	2.5	40

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73	Titan's temporal evolution in stratospheric trace gases near the poles. <i>Icarus</i> , 2016, 270, 409-420.	2.5	40
74	Water vapor in Titan's stratosphere from Cassini CIRS far-infrared spectra. <i>Icarus</i> , 2012, 220, 855-862.	2.5	39
75	Climatology and first-order composition estimates of mesospheric clouds from Mars Climate Sounder limb spectra. <i>Icarus</i> , 2013, 222, 342-356.	2.5	39
76	Seasonal Evolution of Titan's Stratosphere During the Cassini Mission. <i>Geophysical Research Letters</i> , 2019, 46, 3079-3089.	4.0	37
77	Abundance measurements of Titan's stratospheric HCN, HC ₃ N, C ₃ H ₄ , and CH ₃ CN from ALMA observations. <i>Icarus</i> , 2019, 319, 417-432.	2.5	36
78	Detection of Cyclopropenylidene on Titan with ALMA. <i>Astronomical Journal</i> , 2020, 160, 205.	4.7	36
79	The meridional phosphine distribution in Saturn's upper troposphere from Cassini/CIRS observations. <i>Icarus</i> , 2007, 188, 72-88.	2.5	35
80	SEASONAL CHANGES IN TITAN'S POLAR TRACE GAS ABUNDANCE OBSERVED BY CASSINI. <i>Astrophysical Journal Letters</i> , 2010, 724, L84-L89.	8.3	34
81	Predicted detection rates of regional-scale meteorite impacts on Mars with the InSight short-period seismometer. <i>Icarus</i> , 2015, 256, 49-62.	2.5	33
82	Seasonal evolution of C ₂ N ₂ , C ₃ H ₄ , and C ₄ H ₂ abundances in Titan's lower stratosphere. <i>Astronomy and Astrophysics</i> , 2018, 609, A64.	5.1	32
83	Mapping Titan's HCN in the far infra-red: implications for photochemistry. <i>Faraday Discussions</i> , 2010, 147, 51.	3.2	31
84	Meridional variations in stratospheric acetylene and ethane in the southern hemisphere of the saturnian atmosphere as determined from Cassini/CIRS measurements. <i>Icarus</i> , 2007, 190, 556-572.	2.5	30
85	The Far Side of Mars: Two Distant Marsquakes Detected by InSight. <i>The Seismic Record</i> , 2022, 2, 88-99.	3.1	29
86	Multispectral imaging observations of Neptune's cloud structure with Gemini-North. <i>Icarus</i> , 2011, 216, 141-158.	2.5	28
87	Condensation in Titan's stratosphere during polar winter. <i>Icarus</i> , 2008, 197, 572-578.	2.5	27
88	Latitudinal variation in the abundance of methane (CH ₄) above the clouds in Neptune's atmosphere from VLT/MUSE Narrow Field Mode Observations. <i>Icarus</i> , 2019, 331, 69-82.	2.5	26
89	THERMAL AND CHEMICAL STRUCTURE VARIATIONS IN TITAN'S STRATOSPHERE DURING THE CASSINI MISSION. <i>Astrophysical Journal</i> , 2012, 760, 144.	4.5	25
90	HIDING IN THE SHADOWS. II. COLLISIONAL DUST AS EXOPLANET MARKERS. <i>Astrophysical Journal</i> , 2016, 820, 29.	4.5	25

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91	Time variability of Neptune's horizontal and vertical cloud structure revealed by VLT/SINFONI and Gemini/NIFS from 2009 to 2013. <i>Icarus</i> , 2016, 271, 418-437.	2.5	25
92	Upper mantle anisotropy beneath the Seychelles microcontinent. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	24
93	A New Crater Near InSight: Implications for Seismic Impact Detectability on Mars. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006382.	3.6	24
94	Constrained Smoothing of Noisy Data Using Splines in Tension. <i>Mathematical Geosciences</i> , 2007, 39, 419-434.	0.9	23
95	The effects of aliasing and lock-in processes on palaeosecular variation records from sediments. <i>Geophysical Journal International</i> , 2000, 142, 563-570.	2.4	22
96	Line-by-line analysis of Neptune's near-IR spectrum observed with Gemini/NIFS and VLT/CRIRES. <i>Icarus</i> , 2014, 227, 37-48.	2.5	22
97	EVOLUTION OF THE FAR-INFRARED CLOUD AT TITAN'S SOUTH POLE. <i>Astrophysical Journal Letters</i> , 2015, 804, L34.	8.3	22
98	Mapping Vinyl Cyanide and Other Nitriles in Titan's Atmosphere Using ALMA. <i>Astronomical Journal</i> , 2017, 154, 206.	4.7	21
99	Detection of Propadiene on Titan. <i>Astrophysical Journal Letters</i> , 2019, 881, L33.	8.3	21
100	Uranus' cloud particle properties and latitudinal methane variation from IRTF SpeX observations. <i>Icarus</i> , 2013, 223, 684-698.	2.5	20
101	Seismic Coupling of Short-Period Wind Noise Through Mars' Regolith for NASA's InSight Lander. <i>Space Science Reviews</i> , 2017, 211, 485-500.	8.1	20
102	Bolide Airbursts as a Seismic Source for the 2018 Mars InSight Mission. <i>Space Science Reviews</i> , 2017, 211, 525-545.	8.1	20
103	Temperature and chemical species distributions in the middle atmosphere observed during Titan's late northern spring to early summer. <i>Astronomy and Astrophysics</i> , 2020, 641, A116.	5.1	20
104	Neptune and Uranus: ice or rock giants?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190489.	3.4	20
105	Rapid continental breakup and microcontinent formation in the western Indian Ocean. <i>Eos</i> , 2004, 85, 481.	0.1	19
106	Revised vertical cloud structure of Uranus from UKIRT/UIST observations and changes seen during Uranus' Northern Spring Equinox from 2006 to 2008: Application of new methane absorption data and comparison with Neptune. <i>Icarus</i> , 2010, 208, 913-926.	2.5	19
107	FIRST OBSERVATION IN THE SOUTH OF TITAN'S FAR-INFRARED 220 cm ⁻¹ CLOUD. <i>Astrophysical Journal Letters</i> , 2012, 761, L15.	8.3	19
108	Further seasonal changes in Uranus' cloud structure observed by Gemini-North and UKIRT. <i>Icarus</i> , 2012, 218, 47-55.	2.5	19

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109	Titan Science with the James Webb Space Telescope. Publications of the Astronomical Society of the Pacific, 2016, 128, 018007.	3.1	19
110	Latitudinal Variations in Uranus' Vertical Cloud Structure from UKIRT UIST Observations. Astrophysical Journal, 2007, 665, L71-L74.	4.5	18
111	Vertical cloud structure of Uranus from UKIRT/UIST observations and changes seen during Uranus's northern spring equinox from 2006 to 2008. Icarus, 2009, 203, 287-302.	2.5	18
112	AN EXTERNAL ORIGIN FOR CARBON MONOXIDE ON URANUS FROM HERSCHEL/SPIRE?. Astrophysical Journal Letters, 2013, 775, L49.	8.3	18
113	Reanalysis of Uranus's cloud scattering properties from IRTF/SpeX observations using a self-consistent scattering cloud retrieval scheme. Icarus, 2015, 250, 462-476.	2.5	18
114	Spectral analysis of Uranus's 2014 bright storm with VLT/SINFONI. Icarus, 2016, 264, 72-89.	2.5	18
115	Neptune's carbon monoxide profile and phosphine upper limits from Herschel/SPIRE: Implications for interior structure and formation. Icarus, 2019, 319, 86-98.	2.5	18
116	Hazy Blue Worlds: A Holistic Aerosol Model for Uranus and Neptune, Including Dark Spots. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	18
117	Uranus's cloud structure and seasonal variability from Gemini-North and UKIRT observations. Icarus, 2011, 212, 339-350.	2.5	17
118	Interferometric Imaging of Titan's HC ₃ N, H ₁₃ CCN, and HCCC ₁₅ N. Astrophysical Journal Letters, 2018, 859, L15.	8.3	17
119	Potential vorticity structure of Titan's polar vortices from Cassini CIRS observations. Icarus, 2021, 354, 114030.	2.5	17
120	Small-scale composition and haze layering in Titan's polar vortex. Icarus, 2009, 204, 645-657.	2.5	16
121	A tropical haze band in Titan's stratosphere. Icarus, 2010, 207, 485-490.	2.5	16
122	Spatial variations in Titan's atmospheric temperature: ALMA and Cassini comparisons from 2012 to 2015. Icarus, 2018, 307, 380-390.	2.5	16
123	Flexible Mode Modelling of the InSight Lander and Consequences for the SEIS Instrument. Space Science Reviews, 2018, 214, 1.	8.1	16
124	Constraints on Uranus's haze structure, formation and transport. Icarus, 2019, 333, 1-11.	2.5	16
125	The Seismic Moment and Seismic Efficiency of Small Impacts on Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006540.	3.6	16
126	New upper limits for hydrogen halides on Saturn derived from Cassini-CIRS data. Icarus, 2006, 185, 466-475.	2.5	15

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127	Compositional evidence for Titan's stratospheric tilt. <i>Planetary and Space Science</i> , 2010, 58, 792-800.	1.7	15
128	Lunar Net—a proposal in response to an ESA M3 call in 2010 for a medium sized mission. <i>Experimental Astronomy</i> , 2012, 33, 587-644.	3.7	15
129	Science goals and mission concept for the future exploration of Titan and Enceladus. <i>Planetary and Space Science</i> , 2014, 104, 59-77.	1.7	15
130	Constraints on Mars's recent equatorial wind regimes from layered deposits and comparison with general circulation model results. <i>Icarus</i> , 2014, 230, 81-95.	2.5	15
131	ALMA Spectral Imaging of Titan Contemporaneous with Cassini's Grand Finale. <i>Astronomical Journal</i> , 2019, 158, 76.	4.7	15
132	Far-infrared opacity sources in Titan's troposphere reconsidered. <i>Icarus</i> , 2010, 209, 854-857.	2.5	14
133	Quantifying the effect of finite field-of-view size on radiative transfer calculations of Titan's limb spectra measured by Cassini-CIRS. <i>Astrophysics and Space Science</i> , 2007, 310, 293-305.	1.4	13
134	Ethane in Titan's Stratosphere from Cassini CIRS Far- and Mid-infrared Spectra. <i>Astronomical Journal</i> , 2019, 157, 160.	4.7	13
135	Seasonal evolution of temperatures in Titan's lower stratosphere. <i>Icarus</i> , 2020, 344, 113188.	2.5	13
136	Upper limits for PH ₃ and H ₂ S in Titan's atmosphere from Cassini CIRS. <i>Icarus</i> , 2013, 224, 253-256.	2.5	12
137	Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004–2017. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 14.	7.7	12
138	Mapping the zonal structure of Titan's northern polar vortex. <i>Icarus</i> , 2020, 337, 113441.	2.5	12
139	Detection of CH ₃ C ₃ N in Titan's Atmosphere. <i>Astrophysical Journal Letters</i> , 2020, 903, L22.	8.3	11
140	Uranus's Northern Polar Cap in 2014. <i>Geophysical Research Letters</i> , 2018, 45, 5329-5335.	4.0	10
141	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
142	Latitudinal variation of methane mole fraction above clouds in Neptune's atmosphere from VLT/MUSE-NFM: Limb-darkening reanalysis. <i>Icarus</i> , 2021, 357, 114277.	2.5	9
143	Seismic constraints from a Mars impact experiment using InSight and Perseverance. <i>Nature Astronomy</i> , 2022, 6, 59-64.	10.1	9
144	The Origin of Titan's External Oxygen: Further Constraints from ALMA Upper Limits on CS and CH ₂ NH. <i>Astronomical Journal</i> , 2018, 155, 251.	4.7	8

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145	Intersection between spacecraft viewing vectors and digital elevation models. <i>Computers and Geosciences</i> , 2009, 35, 566-578.	4.2	7
146	Europa's small impactor flux and seismic detection predictions. <i>Icarus</i> , 2016, 277, 39-55.	2.5	7
147	Near-Field Seismic Propagation and Coupling Through Mars's Regolith: Implications for the InSight Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	7
148	The Site Tilt and Lander Transfer Function from the Short-Period Seismometer of InSight on Mars. <i>Bulletin of the Seismological Society of America</i> , 2021, 111, 2889-2908.	2.3	7
149	Polar Vortices in Planetary Atmospheres. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000723.	23.0	7
150	Detection of Dynamical Instability in Titan's Thermospheric Jet. <i>Astrophysical Journal Letters</i> , 2020, 904, L12.	8.3	6
151	Differentiability and retrievability of CO ₂ and H ₂ O clouds on Mars from MRO/MCS measurements: A radiative-transfer study. <i>Planetary and Space Science</i> , 2014, 97, 65-84.	1.7	5
152	Constraints on Jupiter's stratospheric HCl abundance and chlorine cycle from Herschel/HIFI. <i>Planetary and Space Science</i> , 2014, 103, 250-261.	1.7	5
153	Retrieval of H ₂ O abundance in Titan's stratosphere: A (re)analysis of CIRS/Cassini and PACS/Herschel observations. <i>Icarus</i> , 2018, 311, 288-305.	2.5	5
154	Constraints on Neptune's haze structure and formation from VLT observations in the H-band. <i>Icarus</i> , 2020, 350, 113808.	2.5	5
155	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. <i>Earth and Space Science</i> , 2021, 8, e2020EA001585.	2.6	5
156	Science goals and new mission concepts for future exploration of Titan's atmosphere, geology and habitability: titan POLar scout/orbitEr and in situ lake lander and DrONE explorer (POSEIDON). <i>Experimental Astronomy</i> , 2022, 54, 911-973.	3.7	5
157	HIDING IN THE SHADOWS: SEARCHING FOR PLANETS IN PRE-TRANSITIONAL AND TRANSITIONAL DISKS. <i>Astrophysical Journal Letters</i> , 2013, 777, L31.	8.3	4
158	Winter Weakening of Titan's Stratospheric Polar Vortices. <i>Planetary Science Journal</i> , 2022, 3, 73.	3.6	4
159	Vertical Profile in Titan's Stratosphere. <i>Astronomical Journal</i> , 2020, 160, 178.	4.7	3
160	Isolation of Seismic Signal from InSight/SEIS-SP Microseismometer Measurements. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	2
161	Nitrogen in the Stratosphere of Titan from Cassini CIRS Infrared Spectroscopy. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2013, , 123-143.	0.3	2
162	Questions to Heaven. <i>Astronomy and Geophysics</i> , 2021, 62, 6.22-6.25.	0.2	2

#	ARTICLE	IF	CITATIONS
163	An autonomous lunar geophysical experiment package (ALGEP) for future space missions. <i>Experimental Astronomy</i> , 2022, 54, 617-640.	3.7	2
164	Variability in Titan's Mesospheric HCN and Temperature Structure as Observed by ALMA. <i>Planetary Science Journal</i> , 2022, 3, 146.	3.6	2
165	ALMA observations of Titan's atmospheric chemistry and seasonal variation. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 95-102.	0.0	1
166	Neptune's HCl upper limit from Herschel/HIFI. <i>Icarus</i> , 2021, 354, 114045.	2.5	1
167	Investigating the effects of density and spin period on surface slopes of asteroids. <i>Icarus</i> , 2022, 380, 114969.	2.5	1
168	Potential for stratospheric Doppler windspeed measurements of Jupiter by sub-millimetre spectroscopy. <i>Planetary and Space Science</i> , 2010, 58, 1489-1499.	1.7	0
169	Infrared limb sounding of Titan with the Cassini Composite InfraRed Spectrometer: effects of the mid-IR detector spatial responses: errata. <i>Applied Optics</i> , 2010, 49, 5575.	2.1	0
170	Uranus's Stratospheric HCl Upper Limit from Herschel/SPIRE*. <i>Research Notes of the AAS</i> , 2020, 4, 191.	0.7	0
171	Uranus's and Neptune's Stratospheric Water Abundance and Vertical Profile from Herschel-HIFI*. <i>Planetary Science Journal</i> , 2022, 3, 96.	3.6	0
172	Vertical distribution of water vapour for Martian northern hemisphere summer in Mars Year 28 from Mars Climate Sounder. <i>Icarus</i> , 2022, 386, 115141.	2.5	0