Nicholas A Teanby

List of Publications by Year
in descending order

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172	9,128	36691	51423
papers	citations	53 h-index	90 g-index

175	175	175	5058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Seismic constraints from a Mars impact experiment using InSight and Perseverance. Nature Astronomy, 2022, 6, 59-64.	4.2	9
2	Science goals and new mission concepts for future exploration of Titanâ€™s atmosphere, geology and habitability: titan POlar scout/orbitEr and in situ lake lander and DrONe explorer (POSEIDON). Experimental Astronomy, 2022, 54, 911-973.	1.6	5
3	Winter Weakening of Titan's Stratospheric Polar Vortices. Planetary Science Journal, 2022, 3, 73.	1.5	4
4	Investigating the effects of density and spin period on surface slopes of asteroids. Icarus, 2022, 380, 114969.	1.1	1
5	The Far Side of Mars: Two Distant Marsquakes Detected by InSight. The Seismic Record, 2022, 2, 88-99.	1.3	29
6	Uranusâ€™s and Neptuneâ€™s Stratospheric Water Abundance and Vertical Profile from Herschel-HIFI*. Planetary Science Journal, 2022, 3, 96.	1.5	0
7	An autonomous lunar geophysical experiment package (ALGEP) for future space missions. Experimental Astronomy, 2022, 54, 617-640.	1.6	2
8	Hazy Blue Worlds: A Holistic Aerosol Model for Uranus and Neptune, Including Dark Spots. Journal of Geophysical Research E: Planets, 2022, 127, .	1.5	18
9	Variability in Titanâ€™s Mesospheric HCN and Temperature Structure as Observed by ALMA. Planetary Science Journal, 2022, 3, 146.	1.5	2
10	Vertical distribution of water vapour for Martian northern hemisphere summer in Mars Year 28 from Mars Climate Sounder. Icarus, 2022, 386, 115141.	1.1	0
11	Neptuneâ€™s HCl upper limit from Herschel/HIFI. Icarus, 2021, 354, 114045.	1.1	1
12	Potential vorticity structure of Titanâ€™s polar vortices from Cassini CIRS observations. Icarus, 2021, 354, 114030.	1.1	17
13	Latitudinal variation of methane mole fraction above clouds in Neptune's atmosphere from VLT/MUSE-NFM: Limb-darkening reanalysis. Icarus, 2021, 357, 114277.	1.1	9
14	Listening for the Landing: Seismic Detections of Perseverance's Arrival at Mars With InSight. Earth and Space Science, 2021, 8, e2020EA001585.	1.1	5
15	The Site Tilt and Lander Transfer Function from the Short-Period Seismometer of InSight on Mars. Bulletin of the Seismological Society of America, 2021, 111, 2889-2908.	1.1	7
16	Polar Vortices in Planetary Atmospheres. Reviews of Geophysics, 2021, 59, e2020RG000723.	9.0	7
17	Questions to Heaven. Astronomy and Geophysics, 2021, 62, 6.22-6.25.	0.1	2
18	Seasonal evolution of temperatures in Titan's lower stratosphere. Icarus, 2020, 344, 113188.	1.1	13

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19	Mapping the zonal structure of Titan's northern polar vortex. Icarus, 2020, 337, 113441.	1.1	12
20	The Seismic Moment and Seismic Efficiency of Small Impacts on Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006540.	1.5	16
21	A New Crater Near InSight: Implications for Seismic Impact Detectability on Mars. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006382.	1.5	24
22	Temperature and chemical species distributions in the middle atmosphere observed during Titanâ€™s late northern spring to early summer. Astronomy and Astrophysics, 2020, 641, A116.	2.1	20
23	Neptune and Uranus: ice or rock giants?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190489.	1.6	20
24	Constraints on Neptune's haze structure and formation from VLT observations in the H-band. Icarus, 2020, 350, 113808.	1.1	5
25	The atmosphere of Mars as observed by InSight. Nature Geoscience, 2020, 13, 190-198.	5.4	161
26	Constraints on the shallow elastic and anelastic structure of Mars from InSight seismic data. Nature Geoscience, 2020, 13, 213-220.	5.4	207
27	The seismicity of Mars. Nature Geoscience, 2020, 13, 205-212.	5.4	194
28	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	5.4	274
29	C₂N₂ Vertical Profile in Titanâ€™s Stratosphere. Astronomical Journal, 2020, 160, 178.	1.9	3
30	Detection of Cyclopropenylidene on Titan with ALMA. Astronomical Journal, 2020, 160, 205.	1.9	36
31	Detection of CH₃C₃N in Titanâ€™s Atmosphere. Astrophysical Journal Letters, 2020, 903, L22.	3.0	11
32	Detection of Dynamical Instability in Titanâ€™s Thermospheric Jet. Astrophysical Journal Letters, 2020, 904, L12.	3.0	6
33	Uranusâ€™ Stratospheric HCl Upper Limit from Herschel/SPIRE*. Research Notes of the AAS, 2020, 4, 191.	0.3	0
34	Detection of Propadiene on Titan. Astrophysical Journal Letters, 2019, 881, L33.	3.0	21
35	Cassini Composite Infrared Spectrometer (CIRS) Observations of Titan 2004â€“2017. Astrophysical Journal, Supplement Series, 2019, 244, 14.	3.0	12
36	ALMA Spectral Imaging of Titan Contemporaneous with Cassini's Grand Finale. Astronomical Journal, 2019, 158, 76.	1.9	15

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37	SEIS: Insightâ€™s Seismic Experiment for Internal Structure of Mars. Space Science Reviews, 2019, 215, 12.	3.7	238
38	Latitudinal variation in the abundance of methane (CH4) above the clouds in Neptune's atmosphere from VLT/MUSE Narrow Field Mode Observations. Icarus, 2019, 331, 69-82.	1.1	26
39	Constraints on Uranus's haze structure, formation and transport. Icarus, 2019, 333, 1-11.	1.1	16
40	Ethane in Titanâ€™s Stratosphere from Cassini CIRS Far- and Mid-infrared Spectra. Astronomical Journal, 2019, 157, 160.	1.9	13
41	Seasonal Evolution of Titan's Stratosphere During the Cassini Mission. Geophysical Research Letters, 2019, 46, 3079-3089.	1.5	37
42	Martian dust storm impact on atmospheric H2O and D/H observed by ExoMars Trace Gas Orbiter. Nature, 2019, 568, 521-525.	13.7	107
43	Neptuneâ€™s carbon monoxide profile and phosphine upper limits from Herschel/SPIRE: Implications for interior structure and formation. Icarus, 2019, 319, 86-98.	1.1	18
44	Probable detection of hydrogen sulphide (H2S) in Neptuneâ€™s atmosphere. Icarus, 2019, 321, 550-563.	1.1	46
45	Abundance measurements of Titanâ€™s stratospheric HCN, HC3N, C3H4, and CH3CN from ALMA observations. Icarus, 2019, 319, 417-432.	1.1	36
46	The first active seismic experiment on Mars to characterize the shallow subsurface structure at the InSight landing site. , 2019, , .		10
47	Detection of hydrogen sulfide above the clouds in Uranusâ€™s atmosphere. Nature Astronomy, 2018, 2, 420-427.	4.2	71
48	Retrieval of H2O abundance in Titanâ€™s stratosphere: A (re)analysis of CIRS/Cassini and PACS/Herschel observations. Icarus, 2018, 311, 288-305.	1.1	5
49	Spatial variations in Titanâ€™s atmospheric temperature: ALMA and Cassini comparisons from 2012 to 2015. Icarus, 2018, 307, 380-390.	1.1	16
50	The Marsquake Service: Securing Daily Analysis of SEIS Data and Building the Martian Seismicity Catalogue for InSight. Space Science Reviews, 2018, 214, 1.	3.7	41
51	Impact-Seismic Investigations of the InSight Mission. Space Science Reviews, 2018, 214, 1.	3.7	48
52	Atmospheric Science with InSight. Space Science Reviews, 2018, 214, 1.	3.7	88
53	Flexible Mode Modelling of the InSight Lander and Consequences for the SEIS Instrument. Space Science Reviews, 2018, 214, 1.	3.7	16
54	Seasonal evolution of C₂N₂, C₃H₄, and C₄H₂ abundances in Titanâ€™s lower stratosphere. Astronomy and Astrophysics, 2018, 609, A64.	2.1	32

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55	Uranus's Northern Polar Cap in 2014. Geophysical Research Letters, 2018, 45, 5329-5335.	1.5	10
56	Near-Field Seismic Propagation and Coupling Through Marsâ€™ Regolith: Implications for the InSight Mission. Space Science Reviews, 2018, 214, 1.	3.7	7
57	The Origin of Titanâ€™s External Oxygen: Further Constraints from ALMA Upper Limits on CS and CH₂NH. Astronomical Journal, 2018, 155, 251.	1.9	8
58	Interferometric Imaging of Titanâ€™s HC₃N, H¹³CCCN, and HCCC¹⁵N. Astrophysical Journal Letters, 2018, 859, L15.	3.0	17
59	Geology and Physical Properties Investigations by the InSight Lander. Space Science Reviews, 2018, 214, 1.	3.7	77
60	Isolation of Seismic Signal from InSight/SEIS-SP Microseismometer Measurements. Space Science Reviews, 2018, 214, 1.	3.7	2
61	Seismic Coupling of Short-Period Wind Noise Through Marsâ€™ Regolith for NASAâ€™s InSight Lander. Space Science Reviews, 2017, 211, 485-500.	3.7	20
62	ALMA detection and astrobiological potential of vinyl cyanide on Titan. Science Advances, 2017, 3, e1700022.	4.7	58
63	The formation and evolution of Titanâ€™s winter polar vortex. Nature Communications, 2017, 8, 1586.	5.8	41
64	Mapping Vinyl Cyanide and Other Nitriles in Titanâ€™s Atmosphere Using ALMA. Astronomical Journal, 2017, 154, 206.	1.9	21
65	Bolide Airbursts as a Seismic Source for the 2018 Mars InSight Mission. Space Science Reviews, 2017, 211, 525-545.	3.7	20
66	ALMA observations of Titanâ€™s atmospheric chemistry and seasonal variation. Proceedings of the International Astronomical Union, 2017, 13, 95-102.	0.0	1
67	In Vivo Quantification of Peroxisome Tethering to Chloroplasts in Tobacco Epidermal Cells Using Optical Tweezers. Plant Physiology, 2016, 170, 263-272.	2.3	66
68	ALMA OBSERVATIONS OF HCN AND ITS ISOTOPOLOGUES ON TITAN. Astronomical Journal, 2016, 152, 42.	1.9	54
69	Europaâ€™s small impactor flux and seismic detection predictions. Icarus, 2016, 277, 39-55.	1.1	7
70	HIDING IN THE SHADOWS. II. COLLISIONAL DUST AS EXOPLANET MARKERS. Astrophysical Journal, 2016, 820, 29.	1.6	25
71	ISOTOPIC RATIOS OF CARBON AND OXYGEN IN TITANâ€™S CO USING ALMA. Astrophysical Journal Letters, 2016, 821, L8.	3.0	46
72	Time variability of Neptuneâ€™s horizontal and vertical cloud structure revealed by VLT/SINFONI and Gemini/NIFS from 2009 to 2013. Icarus, 2016, 271, 418-437.	1.1	25

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73	Titanâ€™s temporal evolution in stratospheric trace gases near the poles. Icarus, 2016, 270, 409-420.	1.1	40
74	Titan Science with the James Webb Space Telescope. Publications of the Astronomical Society of the Pacific, 2016, 128, 018007.	1.0	19
75	Spectral analysis of Uranusâ€™ 2014 bright storm with VLT/SINFONI. Icarus, 2016, 264, 72-89.	1.1	18
76	EVOLUTION OF THE FAR-INFRARED CLOUD AT TITANâ€™S SOUTH POLE. Astrophysical Journal Letters, 2015, 804, L34.	3.0	22
77	ETHYL CYANIDE ON TITAN: SPECTROSCOPIC DETECTION AND MAPPING USING ALMA. Astrophysical Journal Letters, 2015, 800, L14.	3.0	73
78	Reanalysis of Uranusâ€™ cloud scattering properties from IRTF/SpeX observations using a self-consistent scattering cloud retrieval scheme. Icarus, 2015, 250, 462-476.	1.1	18
79	Predicted detection rates of regional-scale meteorite impacts on Mars with the InSight short-period seismometer. Icarus, 2015, 256, 49-62.	1.1	33
80	Systematic assessment of atmospheric uncertainties for InSAR data at volcanic arcs using large-scale atmospheric models: Application to the Cascade volcanoes, United States. Remote Sensing of Environment, 2015, 170, 102-114.	4.6	72
81	Seasonal variations in Titanâ€™s middle atmosphere during the northern spring derived from Cassini/CIRS observations. Icarus, 2015, 250, 95-115.	1.1	99
82	Science goals and mission concept for the future exploration of Titan and Enceladus. Planetary and Space Science, 2014, 104, 59-77.	0.9	15
83	Line-by-line analysis of Neptuneâ€™s near-IR spectrum observed with Gemini/NIFS and VLT/CRIRES. Icarus, 2014, 227, 37-48.	1.1	22
84	Differentiability and retrievability of CO2 and H2O clouds on Mars from MRO/MCS measurements: A radiative-transfer study. Planetary and Space Science, 2014, 97, 65-84.	0.9	5
85	Constraints on Marsâ€™ recent equatorial wind regimes from layered deposits and comparison with general circulation model results. Icarus, 2014, 230, 81-95.	1.1	15
86	ALMA MEASUREMENTS OF THE HNC AND HC₃N DISTRIBUTIONS IN TITAN'S ATMOSPHERE. Astrophysical Journal Letters, 2014, 795, L30.	3.0	53
87	Constraints on Jupiter×3s stratospheric HCl abundance and chlorine cycle from Herschel/HIFI. Planetary and Space Science, 2014, 103, 250-261.	0.9	5
88	HCN ice in Titanâ€™s high-altitude southern polar cloud. Nature, 2014, 514, 65-67.	13.7	59
89	Upper limits for PH3 and H2S in Titanâ€™s atmosphere from Cassini CIRS. Icarus, 2013, 224, 253-256.	1.1	12
90	Uranusâ€™ cloud particle properties and latitudinal methane variation from IRTF SpeX observations. Icarus, 2013, 223, 684-698.	1.1	20

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91	Climatology and first-order composition estimates of mesospheric clouds from Mars Climate Sounder limb spectra. Icarus, 2013, 222, 342-356.	1.1	39
92	Constraints on Titan's middle atmosphere ammonia abundance from Herschel/SPIRE sub-millimetre spectra. Planetary and Space Science, 2013, 75, 136-147.	0.9	50
93	HIDING IN THE SHADOWS: SEARCHING FOR PLANETS IN PRE-TRANSITIONAL AND TRANSITIONAL DISKS. Astrophysical Journal Letters, 2013, 777, L31.	3.0	4
94	AN EXTERNAL ORIGIN FOR CARBON MONOXIDE ON URANUS FROM HERSCHEL /SPIRE?. Astrophysical Journal Letters, 2013, 775, L49.	3.0	18
95	EVOLUTION OF THE STRATOSPHERIC TEMPERATURE AND CHEMICAL COMPOSITION OVER ONE TITANIAN YEAR. Astrophysical Journal, 2013, 779, 177.	1.6	47
96	DETECTION OF PROPENE IN TITAN'S STRATOSPHERE. Astrophysical Journal Letters, 2013, 776, L14.	3.0	84
97	Estimates of seismic activity in the Cerberus Fossae region of Mars. Journal of Geophysical Research E: Planets, 2013, 118, 2570-2581.	1.5	53
98	Nitrogen in the Stratosphere of Titan from Cassini CIRS Infrared Spectroscopy. Thirty Years of Astronomical Discovery With UKIRT, 2013, , 123-143.	0.3	2
99	THERMAL AND CHEMICAL STRUCTURE VARIATIONS IN TITAN'S STRATOSPHERE DURING THECASSINIMISSION. Astrophysical Journal, 2012, 760, 144.	1.6	25
100	ISOTOPIC RATIOS IN TITAN's METHANE: MEASUREMENTS AND MODELING. Astrophysical Journal, 2012, 749, 159.	1.6	91
101	FIRST OBSERVATION IN THE SOUTH OF TITAN'S FAR-INFRARED 220 cm ^{â€“1} CLOUD. Astrophysical Journal Letters, 2012, 761, L15.	3.0	19
102	Active upper-atmosphere chemistry and dynamics from polar circulation reversal on Titan. Nature, 2012, 491, 732-735.	13.7	80
103	The application of new methane line absorption data to Gemini-N/NIFS and KPNO/FTS observations of Uranusâ€™ near-infrared spectrum. Icarus, 2012, 220, 369-382.	1.1	43
104	Water vapor in Titanâ€™s stratosphere from Cassini CIRS far-infrared spectra. Icarus, 2012, 220, 855-862.	1.1	39
105	Topographic, spectral and thermal inertia analysis of interior layered deposits in Iani Chaos, Mars. Icarus, 2012, 221, 20-42.	1.1	40
106	Lunar Netâ€”a proposal in response to an ESA M3 call in 2010 for a medium sized mission. Experimental Astronomy, 2012, 33, 587-644.	1.6	15
107	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. Experimental Astronomy, 2012, 33, 753-791.	1.6	44
108	Further seasonal changes in Uranusâ€™ cloud structure observed by Gemini-North and UKIRT. Icarus, 2012, 218, 47-55.	1.1	19

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109	Spatial and temporal variations in Titan's surface temperatures from Cassini CIRS observations. Planetary and Space Science, 2012, 60, 62-71.	0.9	63
110	Seismic detection of meteorite impacts on Mars. Physics of the Earth and Planetary Interiors, 2011, 186, 70-80.	0.7	61
111	Multispectral imaging observations of Neptuneâ€™s cloud structure with Gemini-North. Icarus, 2011, 216, 141-158.	1.1	28
112	Uranusâ€™ cloud structure and seasonal variability from Gemini-North and UKIRT observations. Icarus, 2011, 212, 339-350.	1.1	17
113	SEASONAL CHANGES IN TITAN'S POLAR TRACE GAS ABUNDANCE OBSERVED BY CASSINI. Astrophysical Journal Letters, 2010, 724, L84-L89.	3.0	34
114	Analysis of Cassini/CIRS limb spectra of Titan acquired during the nominal mission. Icarus, 2010, 205, 559-570.	1.1	168
115	Titan trace gaseous composition from CIRS at the end of the Cassiniâ€“Huygens prime mission. Icarus, 2010, 207, 461-476.	1.1	161
116	Seasonal change on Saturn from Cassini/CIRS observations, 2004â€“2009. Icarus, 2010, 208, 337-352.	1.1	63
117	Far-infrared opacity sources in Titanâ€™s troposphere reconsidered. Icarus, 2010, 209, 854-857.	1.1	14
118	Compositional evidence for Titan's stratospheric tilt. Planetary and Space Science, 2010, 58, 792-800.	0.9	15
119	Abundances of Jupiter's trace hydrocarbons from Voyager and Cassini. Planetary and Space Science, 2010, 58, 1667-1680.	0.9	42
120	Potential for stratospheric Doppler windspeed measurements of Jupiter by sub-millimetre spectroscopy. Planetary and Space Science, 2010, 58, 1489-1499.	0.9	0
121	A tropical haze band in Titanâ€™s stratosphere. Icarus, 2010, 207, 485-490.	1.1	16
122	Revised vertical cloud structure of Uranus from UKIRT/UIST observations and changes seen during Uranusâ€™ Northern Spring Equinox from 2006 to 2008: Application of new methane absorption data and comparison with Neptune. Icarus, 2010, 208, 913-926.	1.1	19
123	Automatic measurement of shear wave splitting and applications to time varying anisotropy at Mount Ruapehu volcano, New Zealand. Journal of Geophysical Research, 2010, 115, .	3.3	95
124	Infrared limb sounding of Titan with the Cassini Composite InfraRed Spectrometer: effects of the mid-IR detector spatial responses: errata. Applied Optics, 2010, 49, 5575.	2.1	0
125	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. Journal of Geophysical Research, 2010, 115, .	3.3	183
126	Mapping Titan's HCN in the far infra-red: implications for photochemistry. Faraday Discussions, 2010, 147, 51.	1.6	31

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127	Upper limits for undetected trace species in the stratosphere of Titan. Faraday Discussions, 2010, 147, 65.	1.6	40
128	Intersection between spacecraft viewing vectors and digital elevation models. Computers and Geosciences, 2009, 35, 566-578.	2.0	7
129	Titan's stratospheric C2N2, C3H4, and C4H2 abundances from Cassini/CIRS far-infrared spectra. Icarus, 2009, 202, 620-631.	1.1	96
130	Vertical cloud structure of Uranus from UKIRT/UIST observations and changes seen during Uranusâ€™ northern spring equinox from 2006 to 2008. Icarus, 2009, 203, 287-302.	1.1	18
131	Methane and its isotopologues on Saturn from Cassini/CIRS observations. Icarus, 2009, 199, 351-367.	1.1	143
132	Phosphine on Jupiter and Saturn from Cassini/CIRS. Icarus, 2009, 202, 543-564.	1.1	153
133	Small-scale composition and haze layering in Titanâ€™s polar vortex. Icarus, 2009, 204, 645-657.	1.1	16
134	Titan's prolific propane: The Cassini CIRS perspective. Planetary and Space Science, 2009, 57, 1573-1585.	0.9	54
135	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
136	Mars Climate Sounder limb profile retrieval of atmospheric temperature, pressure, and dust and water ice opacity. Journal of Geophysical Research, 2009, 114, .	3.3	220
137	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.	1.6	50
138	The NEMESIS planetary atmosphere radiative transfer and retrieval tool. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1136-1150.	1.1	415
139	Global and temporal variations in hydrocarbons and nitriles in Titan's stratosphere for northern winter observed by Cassini/CIRS. Icarus, 2008, 193, 595-611.	1.1	65
140	The 12C/13C isotopic ratio in Titan hydrocarbons from Cassini/CIRS infrared spectra. Icarus, 2008, 195, 778-791.	1.1	62
141	Diagnostics of Titan's stratospheric dynamics using Cassini/CIRS data and the 2-dimensional IPSL circulation model. Icarus, 2008, 197, 556-571.	1.1	44
142	Condensation in Titan's stratosphere during polar winter. Icarus, 2008, 197, 572-578.	1.1	27
143	Intense polar temperature inversion in the middle atmosphere on Mars. Nature Geoscience, 2008, 1, 745-749.	5.4	71
144	Titan's winter polar vortex structure revealed by chemical tracers. Journal of Geophysical Research, 2008, 113, .	3.3	58

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145	Temperature and Composition of Saturn's Polar Hot Spots and Hexagon. Science, 2008, 319, 79-81.	6.0	103
146	Truncated myosin XI tail fusions inhibit peroxisome, Golgi, and mitochondrial movement in tobacco leaf epidermal cells: a genetic tool for the next generation. Journal of Experimental Botany, 2008, 59, 2499-2512.	2.4	140
147	Isotopic Ratios in Titan's Atmosphere from Cassini CIRS Limb Sounding: CO ₂ at Low and Midlatitudes. Astrophysical Journal, 2008, 681, L101-L103.	1.6	42
148	Isotopic Ratios in Titan's Atmosphere from Cassini CIRS Limb Sounding: HC ₃ N in the North. Astrophysical Journal, 2008, 681, L109-L111.	1.6	43
149	Latitudinal Variations in Uranus' Vertical Cloud Structure from UKIRT UIST Observations. Astrophysical Journal, 2007, 665, L71-L74.	1.6	18
150	The meridional phosphine distribution in Saturn's upper troposphere from Cassini/CIRS observations. Icarus, 2007, 188, 72-88.	1.1	35
151	Vertical abundance profiles of hydrocarbons in Titan's atmosphere at 15Â° S and 80Â° N retrieved from Cassini/CIRS spectra. Icarus, 2007, 188, 120-138.	1.1	176
152	Meridional variations of C2H2 and C2H6 in Jupiter's atmosphere from Cassini CIRS infrared spectra. Icarus, 2007, 188, 47-71.	1.1	72
153	The composition of Titan's stratosphere from Cassini/CIRS mid-infrared spectra. Icarus, 2007, 189, 35-62.	1.1	367
154	Characterising Saturn's vertical temperature structure from Cassini/CIRS. Icarus, 2007, 189, 457-478.	1.1	80
155	Meridional variations in stratospheric acetylene and ethane in the southern hemisphere of the saturnian atmosphere as determined from Cassini/CIRS measurements. Icarus, 2007, 190, 556-572.	1.1	30
156	Constrained Smoothing of Noisy Data Using Splines inÂTension. Mathematical Geosciences, 2007, 39, 419-434.	0.9	23
157	Quantifying the effect of finite field-of-view size on radiative transfer calculations of Titanâ€™s limb spectra measured by Cassini-CIRS. Astrophysics and Space Science, 2007, 310, 293-305.	0.5	13
158	Oxygen compounds in Titan's stratosphere as observed by Cassini CIRS. Icarus, 2007, 186, 354-363.	1.1	127
159	Vertical profiles of HCN, HC3N, and C2H2 in Titan's atmosphere derived from Cassini/CIRS data. Icarus, 2007, 186, 364-384.	1.1	121
160	Characteristics of Titan's stratospheric aerosols and condensate clouds from Cassini CIRS far-infrared spectra. Icarus, 2007, 191, 223-235.	1.1	95
161	Improved near-infrared methane band models and k-distribution parameters from 2000 to 9500 cmâ^’1 and implications for interpretation of outer planet spectra. Icarus, 2006, 181, 309-319.	1.1	69
162	New upper limits for hydrogen halides on Saturn derived from Cassini-CIRS data. Icarus, 2006, 185, 466-475.	1.1	15

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163	Latitudinal variations of HCN, HC3N, and C2N2 in Titan's stratosphere derived from Cassini CIRS data. Icarus, 2006, 181, 243-255.	1.1	105
164	An icosahedron-based method for even binning of globally distributed remote sensing data. Computers and Geosciences, 2006, 32, 1442-1450.	2.0	43
165	Temperatures, Winds, and Composition in the Saturnian System. Science, 2005, 307, 1247-1251.	6.0	184
166	Titan's Atmospheric Temperatures, Winds, and Composition. Science, 2005, 308, 975-978.	6.0	318
167	Upper mantle anisotropy beneath the Seychelles microcontinent. Journal of Geophysical Research, 2005, 110, .	3.3	24
168	Automation of Shear-Wave Splitting Measurements using Cluster Analysis. Bulletin of the Seismological Society of America, 2004, 94, 453-463.	1.1	227
169	Stress-induced temporal variations in seismic anisotropy observed in microseismic data. Geophysical Journal International, 2004, 156, 459-466.	1.0	91
170	Rapid continental breakup and microcontinent formation in the western Indian Ocean. Eos, 2004, 85, 481.	0.1	19
171	A detailed palaeointensity and inclination record from drill core SOH1 on Hawaii. Physics of the Earth and Planetary Interiors, 2002, 131, 101-140.	0.7	77
172	The effects of aliasing and lock-in processes on palaeosecular variation records from sediments. Geophysical Journal International, 2000, 142, 563-570.	1.0	22