

Darrell F Strobel

List of Publications by Year in descending order

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256
papers

15,334
citations

11608

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257
times ranked

4600
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#	ARTICLE	IF	CITATIONS
1	Extreme Ultraviolet Observations from Voyager 1 Encounter with Jupiter. <i>Science</i> , 1979, 204, 979-982.	6.0	493
2	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015, 350, aad1815.	6.0	407
3	Transient Water Vapor at Europa's South Pole. <i>Science</i> , 2014, 343, 171-174.	6.0	401
4	Extreme Ultraviolet Observations from Voyager 1 Encounter with Saturn. <i>Science</i> , 1981, 212, 206-211.	6.0	397
5	Detection of an oxygen atmosphere on Jupiter's moon Europa. <i>Nature</i> , 1995, 373, 677-679.	13.7	345
6	Titan's Atmospheric Temperatures, Winds, and Composition. <i>Science</i> , 2005, 308, 975-978.	6.0	318
7	Ultraviolet Spectrometer Observations of Neptune and Triton. <i>Science</i> , 1989, 246, 1459-1466.	6.0	308
8	The Far-Ultraviolet Oxygen Airglow of Europa and Ganymede. <i>Astrophysical Journal</i> , 1998, 499, 475-481.	1.6	239
9	Overview of the Voyager ultraviolet spectrometry results through Jupiter encounter. <i>Journal of Geophysical Research</i> , 1981, 86, 8259-8284.	3.3	230
10	Clouds, aerosols, and photochemistry in the Jovian atmosphere. <i>Icarus</i> , 1986, 65, 161-217.	1.1	227
11	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016, 351, 1284-1293.	6.0	219
12	Parameterization of the atmospheric heating rate from 15 to 120 km due to O ₂ and O ₃ absorption of solar radiation. <i>Journal of Geophysical Research</i> , 1978, 83, 6225-6230.	3.3	217
13	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016, 351, aad8866.	6.0	201
14	Ultraviolet Spectrometer Observations of Uranus. <i>Science</i> , 1986, 233, 74-79.	6.0	194
15	Temperatures, Winds, and Composition in the Saturnian System. <i>Science</i> , 2005, 307, 1247-1251.	6.0	184
16	Extreme Ultraviolet Observations from the Voyager 2 Encounter with Saturn. <i>Science</i> , 1982, 215, 548-553.	6.0	179
17	Interaction of the Jovian magnetosphere with Europa: Constraints on the neutral atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 19947-19962.	3.3	175
18	New perspectives on Titan's upper atmosphere from a reanalysis of the Voyager 1 UVS solar occultations. <i>Icarus</i> , 2004, 170, 91-112.	1.1	174

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19	EUV emission from Titan's upper atmosphere: Voyager 1 encounter. <i>Journal of Geophysical Research</i> , 1982, 87, 1361-1368.	3.3	166
20	Chemistry and evolution of Titan's atmosphere. <i>Planetary and Space Science</i> , 1982, 30, 839-848.	0.9	160
21	Io plasma torus electrons: Voyager 1. <i>Journal of Geophysical Research</i> , 1987, 92, 5741-5762.	3.3	156
22	Extreme Ultraviolet Observations from Voyager 2 Encounter with Jupiter. <i>Science</i> , 1979, 206, 962-966.	6.0	151
23	Titan's upper atmosphere: Composition and temperature from the EUV solar occultation results. <i>Journal of Geophysical Research</i> , 1982, 87, 1351-1359.	3.3	149
24	The search for a subsurface ocean in Ganymede with Hubble Space Telescope observations of its auroral ovals. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1715-1737.	0.8	128
25	Three-dimensional plasma simulation of Io's interaction with the Io plasma torus: Asymmetric plasma flow. <i>Journal of Geophysical Research</i> , 1999, 104, 25105-25126.	3.3	126
26	Carbon Monoxide on Jupiter: Evidence for Both Internal and External Sources. <i>Icarus</i> , 2002, 159, 95-111.	1.1	126
27	The Zonally Averaged Circulation of the Middle Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1978, 35, 577-591.	0.6	123
28	Titan's upper atmosphere: Structure and ultraviolet emissions. <i>Icarus</i> , 1992, 100, 512-526.	1.1	120
29	Implications of Satellite OH Observations for Middle Atmospheric H ₂ O and Ozone. <i>Science</i> , 1997, 277, 1967-1970.	6.0	114
30	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	6.0	113
31	Ultraviolet spectrometer experiment for the Voyager mission. <i>Space Science Reviews</i> , 1977, 21, 183.	3.7	112
32	Production and diffusion of nitric oxide. <i>Journal of Geophysical Research</i> , 1970, 75, 4307-4321.	3.3	108
33	On the Vertical Thermal Structure of Pluto's Atmosphere. <i>Icarus</i> , 1996, 120, 266-289.	1.1	108
34	Venus nighttime hydrogen bulge. <i>Geophysical Research Letters</i> , 1980, 7, 865-868.	1.5	105
35	A numerical model of gravity wave breaking and stress in the mesosphere. <i>Journal of Geophysical Research</i> , 1983, 88, 5249-5259.	3.3	105
36	Exospheres and Atmospheric Escape. <i>Space Science Reviews</i> , 2008, 139, 355-397.	3.7	103

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37	HST/STIS Ultraviolet Imaging of Polar Aurora on Ganymede. <i>Astrophysical Journal</i> , 2000, 535, 1085-1090.	1.6	102
38	Volcanically emitted sodium chloride as a source for Io's neutral clouds and plasma torus. <i>Nature</i> , 2003, 421, 45-47.	13.7	102
39	The photochemistry of hydrocarbons in the atmosphere of Titan. <i>Icarus</i> , 1974, 21, 466-470.	1.1	99
40	Far-Ultraviolet Imaging Spectroscopy of Io's Atmosphere with HST/STIS. <i>Science</i> , 1999, 283, 353-357.	6.0	99
41	The nighttime ionosphere: <i>E</i> region and lower <i>F</i> region. <i>Journal of Geophysical Research</i> , 1974, 79, 3171-3178.	3.3	96
42	The F2-layer at middle latitudes. <i>Planetary and Space Science</i> , 1970, 18, 1181-1202.	0.9	94
43	The Photochemistry of Hydrocarbons in the Jovian Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1973, 30, 489-498.	0.6	91
44	Chemical and thermal response of Jupiter's atmosphere following the impact of comet Shoemaker-Levy 9. <i>Nature</i> , 1995, 373, 592-595.	13.7	90
45	Structure and composition of Pluto's atmosphere from the New Horizons solar ultraviolet occultation. <i>Icarus</i> , 2018, 300, 174-199.	1.1	90
46	Detection of CO and HCN in Pluto's atmosphere with ALMA. <i>Icarus</i> , 2017, 286, 289-307.	1.1	89
47	Detection of the SO ₂ Atmosphere on Io with the Hubble Space Telescope. <i>Icarus</i> , 1994, 111, 2-17.	1.1	88
48	An equatorial oscillation in Saturn's middle atmosphere. <i>Nature</i> , 2008, 453, 200-202.	13.7	88
49	Diurnal variation of nitric oxide in the upper atmosphere. <i>Journal of Geophysical Research</i> , 1971, 76, 2441-2452.	3.3	85
50	Odd nitrogen in the mesosphere. <i>Journal of Geophysical Research</i> , 1971, 76, 8384-8393.	3.3	83
51	Aeronomy of the major planets: Photochemistry of ammonia and hydrocarbons. <i>Reviews of Geophysics</i> , 1975, 13, 372-382.	9.0	80
52	Enhancement of heavy ozone in the Earth's atmosphere?. <i>Journal of Geophysical Research</i> , 1983, 88, 8447-8452.	3.3	80
53	The aeronomy of odd nitrogen in the thermosphere. <i>Journal of Geophysical Research</i> , 1975, 80, 3068-3076.	3.3	79
54	Evidence for temporal variability of Enceladus' gas jets: Modeling of Cassini observations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	78

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55	Photochemistry and Vertical Transport in Io's Atmosphere and Ionosphere. <i>Icarus</i> , 1996, 120, 290-316.	1.1	77
56	Titan's hydrodynamically escaping atmosphere. <i>Icarus</i> , 2008, 193, 588-594.	1.1	77
57	TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946.	1.6	77
58	Photochemistry of the Reducing Atmospheres of Jupiter, Saturn and Titan. <i>International Reviews in Physical Chemistry</i> , 1983, 3, 145-176.	0.9	76
59	Vertical constituent transport in the mesosphere. <i>Journal of Geophysical Research</i> , 1987, 92, 6691-6698.	3.3	75
60	N ₂ escape rates from Pluto's atmosphere. <i>Icarus</i> , 2008, 193, 612-619.	1.1	75
61	The density and thermal structure of Pluto's atmosphere and associated escape processes and rates. <i>Icarus</i> , 2014, 228, 301-314.	1.1	75
62	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	3.7	74
63	Radio occultation measurements of Pluto's neutral atmosphere with New Horizons. <i>Icarus</i> , 2017, 290, 96-111.	1.1	74
64	HCN formation on Jupiter: The coupled photochemistry of ammonia and acetylene. <i>Icarus</i> , 1983, 54, 417-433.	1.1	73
65	Heating of Jupiter's Thermosphere by Dissipation of Gravity Waves Due to Molecular Viscosity and Heat Conduction. <i>Icarus</i> , 1999, 140, 328-340.	1.1	73
66	Photochemistry of nitrogen in the Martian atmosphere. <i>Icarus</i> , 1977, 30, 26-41.	1.1	72
67	Detection of Sulfur Monoxide in Io's Atmosphere. <i>Astrophysical Journal</i> , 1996, 459, .	1.6	72
68	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.	1.1	72
69	Haze in Pluto's atmosphere. <i>Icarus</i> , 2017, 290, 112-133.	1.1	72
70	On the Temperature of the Jovian Thermosphere. <i>Journals of the Atmospheric Sciences</i> , 1973, 30, 718-725.	0.6	71
71	On the Vertical Thermal Structure of Io's Atmosphere. <i>Icarus</i> , 1994, 111, 18-30.	1.1	71
72	Haze heats Pluto's atmosphere yet explains its cold temperature. <i>Nature</i> , 2017, 551, 352-355.	13.7	71

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73	Photoionization rates in the night-time E- and F-region ionosphere— . Planetary and Space Science, 1980, 28, 1027-1033.	0.9	68
74	Molecular hydrogen in Titan's atmosphere: Implications of the measured tropospheric and thermospheric mole fractions. Icarus, 2010, 208, 878-886.	1.1	68
75	Orbital apocenter is not a sufficient condition for HST/STIS detection of Europa's water vapor aurora. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5123-32.	3.3	65
76	Jupiter's Atmospheric Composition from the Cassini Thermal Infrared Spectroscopy Experiment. Science, 2004, 305, 1582-1586.	6.0	63
77	Seasonal variation of middle atmospheric CH ₄ and H ₂ O with a new chemical-dynamical model. Journal of Geophysical Research, 1997, 102, 3503-3526.	3.3	62
78	The New Horizons Radio Science Experiment (REX). Space Science Reviews, 2008, 140, 217-259.	3.7	62
79	Titan's hydrodynamically escaping atmosphere: Escape rates and the structure of the exobase region. Icarus, 2009, 202, 632-641.	1.1	62
80	The CH ₄ structure in Titan's upper atmosphere revisited. Journal of Geophysical Research, 2012, 117, .	3.3	61
81	The Photochemistry of NH ₃ in the Jovian Atmosphere. Journals of the Atmospheric Sciences, 1973, 30, 1205-1209.	0.6	61
82	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	6.0	60
83	Aurora on Ganymede. Journal of Geophysical Research: Space Physics, 2013, 118, 2043-2054.	0.8	58
84	Ionosphere. , 1983, , 51-67.		58
85	Measurement of the nitric oxide altitude distribution in the mid-latitude mesosphere. Journal of Geophysical Research, 1977, 82, 3281-3286.	3.3	57
86	Hydrocarbon photochemistry and Lyman alpha albedo of Jupiter. Astrophysical Journal, 1980, 239, 395.	1.6	57
87	The seasonal variation of water vapor and ozone in the upper mesosphere: Implications for vertical transport and ozone photochemistry. Journal of Geophysical Research, 1990, 95, 883-893.	3.3	56
88	Interpretation of Galileo's Io plasma and field observations: I0, I24, and I27 flybys and close polar passes. Journal of Geophysical Research, 2002, 107, SMP 5-1-SMP 5-18.	3.3	56
89	Comparative planetary nitrogen atmospheres: Density and thermal structures of Pluto and Triton. Icarus, 2017, 291, 55-64.	1.1	56
90	Extreme ultraviolet explorer satellite observation of Jupiter's Io plasma torus. Astrophysical Journal, 1994, 426, L51.	1.6	56

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91	The aeronomy of odd nitrogen in the thermosphere 2. Twilight emissions. Journal of Geophysical Research, 1976, 81, 3745-3752.	3.3	55
92	Cassini observations of Io's visible aurorae. Icarus, 2004, 172, 127-140.	1.1	55
93	Parameterization of linear wave chemical transport in planetary atmospheres by eddy diffusion. Journal of Geophysical Research, 1981, 86, 9806-9810.	3.3	54
94	The Atmosphere of Io: Abundances and Sources of Sulfur Dioxide and Atomic Hydrogen. Astrophysics and Space Science, 2001, 277, 271-287.	0.5	54
95	Europa's far ultraviolet oxygen aurora from a comprehensive set of HST observations. Journal of Geophysical Research: Space Physics, 2016, 121, 2143-2170.	0.8	54
96	The Dust Halo of Saturn's Largest Icy Moon, Rhea. Science, 2008, 319, 1380-1384.	6.0	53
97	Excitation of the Ganymede Ultraviolet Aurora. Astrophysical Journal, 2001, 555, 1013-1019.	1.6	51
98	Long-term study of longitudinal dependence in primary particle precipitation in the north Jovian aurora. Journal of Geophysical Research, 1990, 95, 10375-10388.	3.3	50
99	The Thermal Structure of Triton's Middle Atmosphere. Icarus, 2000, 143, 425-428.	1.1	50
100	Pluto's haze as a surface material. Icarus, 2018, 314, 232-245.	1.1	50
101	Discovery of a longitudinal asymmetry in the H Lyman- α brightness of Jupiter. Geophysical Research Letters, 1980, 7, 5-8.	1.5	49
102	Detection of neutral oxygen and sulfur emissions near Io using IUE. Astrophysical Journal, 1987, 319, L33.	1.6	49
103	Diurnal variations of atomic hydrogen: Observations and calculations. Journal of Geophysical Research, 1975, 80, 626-634.	3.3	48
104	Magnetospheric interaction with Triton's ionosphere. Geophysical Research Letters, 1990, 17, 1661-1664.	1.5	48
105	Lyman- α imaging of the SO ₂ distribution on Io. Geophysical Research Letters, 2000, 27, 1787-1790.	1.5	48
106	Photochemistry in Outer Solar System Atmospheres. Space Science Reviews, 2005, 116, 155-170.	3.7	48
107	Energy partitioning in the Io plasma torus. Journal of Geophysical Research, 1985, 90, 9469-9493.	3.3	47
108	Energy balance constraints on gravity wave induced eddy diffusion in the mesosphere and lower thermosphere. Journal of Geophysical Research, 1985, 90, 13067-13072.	3.3	47

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109	On the thermal structure of Triton's thermosphere. <i>Geophysical Research Letters</i> , 1992, 19, 669-672.	1.5	47
110	An analysis of Pluto occultation light curves using an atmospheric radiative-convective model. <i>Icarus</i> , 2011, 211, 804-818.	1.1	47
111	The Galilean satellites as a source of CO in the Jovian upper atmosphere. <i>Icarus</i> , 1979, 37, 256-263.	1.1	46
112	Parameterization of IR cooling in a middle atmosphere dynamics model: 1. Effects on the zonally averaged circulation. <i>Journal of Geophysical Research</i> , 1982, 87, 8951-8966.	3.3	46
113	Phosphine photochemistry in the atmosphere of Saturn. <i>Icarus</i> , 1984, 59, 314-335.	1.1	46
114	Detection of Callisto's oxygen atmosphere with the Hubble Space Telescope. <i>Icarus</i> , 2015, 254, 178-189.	1.1	46
115	Aeronomics systems on planets, moons, and comets. <i>Geophysical Monograph Series</i> , 2002, , 7-22.	0.1	45
116	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	13.7	44
117	Nitrogen airglow sources: Comparison of Triton, Titan, and Earth. <i>Geophysical Research Letters</i> , 1991, 18, 689-692.	1.5	43
118	Triton's atmosphere: A source of N_2 and H_2 for Neptune's magnetosphere. <i>Geophysical Research Letters</i> , 1991, 18, 2309-2312.	1.5	43
119	Io's ultraviolet aurora: Remote sensing of Io's interaction. <i>Geophysical Research Letters</i> , 2000, 27, 2893-2896.	1.5	43
120	Detection of the Forbidden SO γ Rovibronic Transition on Io at 1.7 μ m. <i>Icarus</i> , 2002, 156, 296-301.	1.1	43
121	Photochemistry of the atmosphere of Uranus. <i>Astrophysical Journal</i> , 1989, 346, 495.	1.6	43
122	The spectrum of the Jovian dayglow observed at 3 Å resolution with the Hopkins ultraviolet telescope. <i>Astrophysical Journal</i> , 1993, 406, 279.	1.6	43
123	The Ultraviolet Albedo of Titan. <i>Icarus</i> , 1998, 131, 382-392.	1.1	42
124	The ion mass loading rate at Io. <i>Icarus</i> , 2003, 163, 456-468.	1.1	42
125	Io's Atmospheric Response to Eclipse: UV Aurorae Observations. <i>Science</i> , 2007, 318, 237-240.	6.0	41
126	Minor Neutral Constituents in the Mesosphere and Lower Thermosphere. <i>Radio Science</i> , 1972, 7, 1-21.	0.8	40

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127	On the energy crisis in the Io plasma torus. <i>Geophysical Research Letters</i> , 1988, 15, 545-548.	1.5	40
128	[ITAL]Hubble Space Telescope[/ITAL] Space Telescope Imaging Spectrograph Search for an Atmosphere on Callisto: A Jovian Unipolar Inductor. <i>Astrophysical Journal</i> , 2002, 581, L51-L54.	1.6	40
129	Saturn's variable thermosphere from Cassini/UVIS occultations. <i>Icarus</i> , 2015, 260, 174-189.	1.1	40
130	The photochemistry of methane in the atmosphere of Triton. <i>Geophysical Research Letters</i> , 1990, 17, 1729-1732.	1.5	39
131	Relative contributions of sublimation and volcanoes to Io's atmosphere inferred from its plasma interaction during solar eclipse. <i>Icarus</i> , 2004, 171, 411-420.	1.1	39
132	On the HCN and CO ₂ abundance and distribution in Jupiter's stratosphere. <i>Icarus</i> , 2006, 184, 478-497.	1.1	39
133	Io's equatorial spots: Morphology of neutral UV emissions. <i>Journal of Geophysical Research</i> , 2000, 105, 27157-27165.	3.3	38
134	Ion densities and magnetic signatures of dust pickup at Enceladus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2740-2774.	0.8	38
135	NH ₃ and PH ₃ photochemistry in the Jovian atmosphere. <i>Astrophysical Journal</i> , 1977, 214, L97.	1.6	38
136	Constraints on gravity wave induced diffusion in the middle atmosphere. <i>Pure and Applied Geophysics</i> , 1989, 130, 533-546.	0.8	37
137	Emission profiles of neutral oxygen and sulfur in Io's exospheric corona. <i>Journal of Geophysical Research</i> , 2001, 106, 26155-26182.	3.3	37
138	Titan's cold case files - Outstanding questions after Cassini-Huygens. <i>Planetary and Space Science</i> , 2018, 155, 50-72.	0.9	37
139	Parameterization of IR cooling in a Middle Atmosphere Dynamics Model: 2. Non-LTE radiative transfer and the globally averaged temperature of the mesosphere and lower thermosphere. <i>Journal of Geophysical Research</i> , 1984, 89, 4917-4926.	3.3	36
140	Interaction of Gravity Waves with Ionospheric Plasma: Implications for Jupiter's Ionosphere. <i>Icarus</i> , 2001, 152, 347-365.	1.1	36
141	MHD Modeling of the Plasma Interaction With Io's Asymmetric Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9286-9311.	0.8	36
142	Hydrocarbon abundances in the jovian atmosphere. <i>Astrophysical Journal</i> , 1974, 192, L47.	1.6	36
143	Detection of Chlorine Ions in the [ITAL]Far Ultraviolet Spectroscopic Explorer[/ITAL] Spectrum of the Io Plasma Torus. <i>Astrophysical Journal</i> , 2001, 554, L123-L126.	1.6	35
144	On the thermal electron balance in Titan's sunlit upper atmosphere. <i>Icarus</i> , 2013, 223, 234-251.	1.1	35

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145	Auroral NO concentrations?. Journal of Geophysical Research, 1976, 81, 4765-4769.	3.3	34
146	Numerical Simulation of Sudden Stratospheric Warmings. Journals of the Atmospheric Sciences, 1980, 37, 214-236.	0.6	34
147	HUBBLE SPACE TELESCOPE/ADVANCED CAMERA FOR SURVEYS OBSERVATIONS OF EUROPA'S ATMOSPHERIC ULTRAVIOLET EMISSION AT EASTERN ELONGATION. Astrophysical Journal, 2011, 738, 153.	1.6	34
148	The far ultraviolet vehicle glow of the S3 satellite. Geophysical Research Letters, 1987, 14, 628-631.	1.5	33
149	Results from the Huygens probe on Titan. Astronomy and Astrophysics Review, 2009, 17, 149-179.	9.1	33
150	The collision of comet Shoemaker-Levy 9 with Jupiter: Detection and evolution of HCN in the stratosphere of the planet. Geophysical Research Letters, 1995, 22, 1589-1592.	1.5	32
151	Atmospheres and Plasma Interactions at Saturn's Largest Inner Icy Satellites. Astrophysical Journal, 2005, 620, L115-L118.	1.6	32
152	Pluto's interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2016, 121, 4232-4246.	0.8	32
153	Io's auroral limb glow: Hubble Space Telescope FUV observations. Journal of Geophysical Research, 2003, 108, .	3.3	31
154	Nitric oxide in the D region. Journal of Geophysical Research, 1972, 77, 1337-1339.	3.3	30
155	A model study of the response of mesospheric ozone to short-term solar ultraviolet flux variations. Journal of Geophysical Research, 1990, 95, 22523-22538.	3.3	30
156	An Analysis of the Voyager 2 Ultraviolet Spectrometer Occultation Data at Uranus: Inferring Heat Sources and Model Atmospheres. Icarus, 1993, 101, 45-63.	1.1	30
157	Plasma Flow and Related Phenomena in Planetary Aeronomy. Space Science Reviews, 2008, 139, 311-353.	3.7	30
158	Titan ionospheric conductivities from Cassini measurements. Planetary and Space Science, 2009, 57, 1828-1833.	0.9	30
159	An upper limit on Pluto's ionosphere from radio occultation measurements with New Horizons. Icarus, 2018, 307, 17-24.	1.1	30
160	Formation and photochemistry of Methylamine in Jupiter's atmosphere. Icarus, 1983, 55, 399-419.	1.1	29
161	The far ultraviolet reflection spectrum of Uranus: Results from the Voyager encounter. Icarus, 1989, 77, 439-456.	1.1	29
162	A resolution of the N ₂ Carroll-Yoshino (c4 ⁺ -X) band problem in the Earth's atmosphere. Journal of Geophysical Research, 1994, 99, 417.	3.3	29

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163	The Farâ€Ultraviolet Spectrum of the Io Plasma Torus. <i>Astrophysical Journal</i> , 2004, 601, 583-591.	1.6	29
164	An intense thermospheric jet on Titan. <i>Nature Astronomy</i> , 2019, 3, 614-619.	4.2	29
165	The Response of the Zonally Averaged Circulation to Stratospheric Ozone Reductions. <i>Journals of the Atmospheric Sciences</i> , 1978, 35, 1751-1757.	0.6	28
166	Mesospheric HO x photochemistry: Constraints from recent satellite measurements of OH and H 2 O. <i>Geophysical Research Letters</i> , 1996, 23, 2097-2100.	1.5	28
167	Gravitational tidal waves in Titan's upper atmosphere. <i>Icarus</i> , 2006, 182, 251-258.	1.1	28
168	Analysis of Raman scattered LYâ€± emissions from the atmosphere of Uranus. <i>Geophysical Research Letters</i> , 1987, 14, 483-486.	1.5	27
169	The atmospheric abundance of SO2 on Io. <i>Icarus</i> , 1990, 88, 1-23.	1.1	27
170	Neutral Atmospheres. <i>Space Science Reviews</i> , 2008, 139, 191-234.	3.7	27
171	DETECTION OF A HYDROGEN CORONA IN HST LYâ€± IMAGES OF EUROPA IN TRANSIT OF JUPITER. <i>Astronomical Journal</i> , 2017, 153, 67.	1.9	27
172	Simulation of Ioâ€™s auroral emission: Constraints on the atmosphere in eclipse. <i>Icarus</i> , 2011, 214, 495-509.	1.1	26
173	Hydrogen and methane in Titanâ€™s atmosphere: chemistry, diffusion, escape, and the Hunten limiting flux principle ¹This article is part of a Special Issue that honours the work of Dr. Donald M. Hunten FRSC who passed away in December 2010 after a very illustrious career.. <i>Canadian Journal of Physics</i> , 2012, 90, 795-805.	0.4	26
174	LYâ€±-induced Fluorescence of H2 and Co in Hubble Space Telescope Spectra of a Comet Shoemakerâ€Levy 9 Impact Site on Jupiter. <i>Astrophysical Journal</i> , 1997, 475, 835-842.	1.6	26
175	Material Flux From the Rings of Saturn Into Its Atmosphere. <i>Geophysical Research Letters</i> , 2018, 45, 10,093.	1.5	25
176	Upper Limit on Titan's Atmospheric Argon Abundance. <i>Icarus</i> , 1993, 103, 333-336.	1.1	24
177	Simultaneous Spectroscopy and Imaging of the Jovian Aurora with the Hopkins Ultraviolet Telescope and the Hubble Space Telescope. <i>Astrophysical Journal</i> , 1997, 476, 918-923.	1.6	24
178	A phenomenological model of Ioâ€™s UV aurora based on HST/STIS observations. <i>Icarus</i> , 2014, 228, 386-406.	1.1	24
179	The structure of Io's thermal corona and implications for atmospheric escape. <i>Astrophysical Journal</i> , 1989, 343, 468.	1.6	24
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