Robert Meier

List of Publications by Year
in descending order

164	6,676	53660	85405
papers	citations	45 h-index	71 g-index

172	172	172	2547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultraviolet spectroscopy and remote sensing of the upper atmosphere. Space Science Reviews, 1991, 58, 1-185.	3.7	481
2	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. Journal of Geophysical Research, 2003, 108, .	3.3	305
3	The October 28, 2003 extreme EUV solar flare and resultant extreme ionospheric effects: Comparison to other Halloween events and the Bastille Day event. Geophysical Research Letters, 2005, 32, .	1.5	212
4	The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1.	3.7	152
5	Thermospheric global average density trends, 1967â€“2007, derived from orbits of 5000 nearâ€Earth objects. Geophysical Research Letters, 2008, 35, .	1.5	125
6	Deducing composition and incident electron spectra from groundâ€based auroral optical measurements: Theory and model results. Journal of Geophysical Research, 1989, 94, 13527-13539.	3.3	119
7	Observations of helium in the interplanetary/interstellar wind - The solar-wake effect. Astrophysical Journal, 1974, 193, 471.	1.6	119
8	First look at the 20 November 2003 superstorm with TIMED/GUVI: Comparisons with a thermospheric global circulation model. Journal of Geophysical Research, 2005, 110, .	3.3	117
9	The global ionospheric asymmetry in total electron content. Journal of Atmospheric and Solar-Terrestrial Physics, 2005, 67, 1377-1387.	0.6	111
10	Global thermosphere-ionosphere response to onset of 20 November 2003 magnetic storm. Journal of Geophysical Research, 2006, 111, .	3.3	105
11	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. Earth and Space Science, 2015, 2, 1-37.	1.1	103
12	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. Journal of Geophysical Research, 2004, 109, .	3.3	99
13	The nighttime ionosphere:Eregion and lowerFregion. Journal of Geophysical Research, 1974, 79, 3171-3178.	3.3	96
14	Radiation field in the troposphere and stratosphere from 240â€“1000 NM-I. General analysis. Planetary and Space Science, 1982, 30, 923-933.	0.9	92
15	Geocoronal hydrogen: An analysis of the Lyman-alpha airglow observed from OGO-4. Planetary and Space Science, 1970, 18, 803-821.	0.9	88
16	Periodic modulations in thermospheric composition by solar wind high speed streams. Geophysical Research Letters, 2008, 35, .	1.5	80
17	Atomic oxygen in the Martian thermosphere. Journal of Geophysical Research, 1992, 97, 91-102.	3.3	79
18	Solar extreme ultraviolet irradiance: Present, past, and future. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	76

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19	An analysis of the OI 1304 a dayglow using a Monte Carlo resonant scattering model with partial frequency redistribution. Planetary and Space Science, 1982, 30, 439-450.	0.9	74
20	Photoionization rates in the night-time E- and F-region ionosphereâˆ—. Planetary and Space Science, 1980, 28, 1027-1033.	0.9	68
21	Retrieval of absolute thermospheric concentrations from the far UV dayglow: An application of discrete inverse theory. Journal of Geophysical Research, 1994, 99, 6307.	3.3	68
22	EUV resonance radiation from helium atoms and ions in the geocorona. Journal of Geophysical Research, 1972, 77, 1190-1204.	3.3	67
23	Radiation field in the troposphere and stratosphereâ€”II. Numerical analysis. Planetary and Space Science, 1982, 30, 935-983.	0.9	64
24	Spectroscopy of the extreme ultraviolet dayglow at 6.5Ã... resolution: Atomic and ionic emissions between 530 and 1240Ã.... Geophysical Research Letters, 1979, 6, 325-328.	1.5	62
25	Analysis of the oxygen nightglow measured by the Hopkins Ultraviolet Telescope: Implications for ionospheric partial radiative recombination rate coefficients. Journal of Geophysical Research, 1999, 104, 14901-14913.	3.3	62
26	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. Solar Physics, 2008, 250, 235-267.	1.0	62
27	Spatial and temporal variations of the Lyman-alpha airglow and related atomic hydrogen distributions. Planetary and Space Science, 1973, 21, 309-327.	0.9	61
28	The ultraviolet dayglow 1. Far UV emissions of N and N₂. Journal of Geophysical Research, 1980, 85, 2177-2184.	3.3	60
29	Distribution of sodium in the daytime upper atmosphere as measured by a rocket experiment. Journal of Geophysical Research, 1967, 72, 2803-2829.	3.3	59
30	Deducing composition and incident electron spectra from groundâ€based auroral optical measurements: A study of auroral red line processes. Journal of Geophysical Research, 1989, 94, 13541-13552.	3.3	55
31	Two-dimensional mapping of the plasma density in the upper atmosphere with computerized ionospheric tomography (CIT). Physics of Plasmas, 1998, 5, 2010-2021.	0.7	54
32	Global O/N2derived from DE 1 FUV dayglow data: Technique and examples from two storm periods. Journal of Geophysical Research, 1999, 104, 4251-4266.	3.3	54
33	Global and regional trends in ionospheric total electron content. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	54
34	Balmer alpha and Lyman beta in the hydrogen geocorona. Journal of Geophysical Research, 1969, 74, 3561-3574.	3.3	53
35	The ultraviolet dayglow 4. The spectrum and excitation of singly ionized oxygen. Journal of Geophysical Research, 1981, 86, 3583-3588.	3.3	52
36	Apollo 16 Lyman alpha imagery of the hydrogen geocorona. Journal of Geophysical Research, 1976, 81, 1664-1672.	3.3	51

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37	Analysis of nitrogen and oxygen far ultraviolet auroral emissions. Journal of Geophysical Research, 1982, 87, 2444-2452.	3.3	51
38	The ultraviolet dayglow at solar maximum: 3. Photoelectronâ€excited emissions of N₂ and O. Journal of Geophysical Research, 1985, 90, 6608-6616.	3.3	50
39	Ionospheric and dayglow responses to the radiative phase of the Bastille Day flare. Geophysical Research Letters, 2002, 29, 99-1-99-4.	1.5	50
40	Hydrogen Balmer alpha intensity distributions and line profiles from multiple scattering theory using realistic geocoronal models. Journal of Geophysical Research, 1987, 92, 7619-7642.	3.3	49
41	Inversion of Infrasound Signals for Passive Atmospheric Remote Sensing. , 2010, , 701-731.		49
42	The production of Titan's ultraviolet nitrogen airglow. Journal of Geophysical Research, 2011, 116, .	3.3	49
43	Quasi two day waveâ€related variability in the background dynamics and composition of the mesosphere/thermosphere and the ionosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 4786-4804.	0.8	49
44	Deducing composition and incident electron spectra from groundâ€based auroral optical measurements: Variations in oxygen density. Journal of Geophysical Research, 1989, 94, 13553-13563.	3.3	48
45	Special Sensor Ultraviolet Limb Imager: an ionospheric and neutral density profiler for the Defense Meteorological Satellite Program satellites. Optical Engineering, 1994, 33, 423.	0.5	47
46	Characteristics of the helium component of the local interstellar medium. Astrophysical Journal, 1981, 246, 386.	1.6	47
47	Antarctic mesospheric clouds formed from space shuttle exhaust. Geophysical Research Letters, 2005, 32, .	1.5	46
48	Thermospheric density 2002â€“2004: TIMED/GUVI dayside limb observations and satellite drag. Journal of Geophysical Research, 2006, 111, .	3.3	46
49	Attribution of interminima changes in the global thermosphere and ionosphere. Journal of Geophysical Research: Space Physics, 2014, 119, 6657-6688.	0.8	46
50	Atmospheric scattering of middle uv radiation from an internal source. Applied Optics, 1978, 17, 3216.	2.1	45
51	Ionospheric total electron content: Global and hemispheric climatology. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	44
52	Nitrogen airglow sources: Comparison of Triton, Titan, and Earth. Geophysical Research Letters, 1991, 18, 689-692.	1.5	43
53	O and N₂disturbances in theFregion during the 20 November 2003 storm seen from TIMED/GUVI. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
54	The UV dayglow 3, OI emissions at 989, 1027, 1152, 1304, and 1356A. Geophysical Research Letters, 1980, 7, 1057-1060.	1.5	41

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55	Comet Kohoutek: Ultraviolet Images and Spectrograms. Science, 1974, 185, 702-705.	6.0	40
56	Solar EUV irradiance variability derived from terrestrial far ultraviolet dayglow observations. Geophysical Research Letters, 2004, 31, .	1.5	39
57	First satellite observations of the He+304-Ã... radiation and its interpretation. Journal of Geophysical Research, 1974, 79, 1572-1574.	3.3	38
58	Remote sensing of the ionosphericFlayer by use of O I 6300-Ã... and O I 1356-Ã... observations. Journal of Geophysical Research, 1975, 80, 2327-2332.	3.3	38
59	Radiative transfer modeling of the OI 135.6Ânm emission in the nighttime ionosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 10116-10135.	0.8	38
60	Tropical UV arcs: Comparison of brightness withÆ'0F2. Journal of Geophysical Research, 1973, 78, 3189-3193.	3.3	37
61	Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere. Applied Optics, 1979, 18, 1955.	2.1	37
62	The UV dayglow 2, LyÎ± and LyÎ² emissions and the H distribution in the mesosphere and thermosphere. Geophysical Research Letters, 1980, 7, 529-532.	1.5	37
63	Reanalysis of Pioneer Orbiter ultraviolet spectrometer data: OI 1304 intensities and atomic oxygen densities. Geophysical Research Letters, 1986, 13, 229-232.	1.5	36
64	The EUV dayglow at high spectral resolution. Journal of Geophysical Research, 1990, 95, 4113-4127.	3.3	36
65	Absorption of the solar Lyman alpha line by geocoronal atomic hydrogen. Journal of Geophysical Research, 1970, 75, 6969-6979.	3.3	35
66	Actinic radiation in the terrestrial atmosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 2111-2157.	0.6	35
67	Satellite observations of the oi 1304, 1356 and 1641 Ã... dayglow and the abundance of atomic oxygen in the thermosphere. Planetary and Space Science, 1988, 36, 963-973.	0.9	34
68	Observations of the O I 1304-A airglow from Ogo 4. Journal of Geophysical Research, 1971, 76, 4608-4620.	3.3	33
69	The far ultraviolet vehicle glow of the S3â€4 satellite. Geophysical Research Letters, 1987, 14, 628-631.	1.5	33
70	Origins of the Thermosphereâ€Ionosphere Semiannual Oscillation: Reformulating the â€œThermospheric Spoonâ€•Mechanism. Journal of Geophysical Research: Space Physics, 2018, 123, 931-954.	0.8	33
71	Observations of equatorial EUV bands: Evidence for low-altitude precipitation of ring current helium. Journal of Geophysical Research, 1975, 80, 2813-2818.	3.3	32
72	Atomic oxygen emissions observed from Pioneer Venus. Geophysical Research Letters, 1983, 10, 214-217.	1.5	31

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73	Atomic hydrogen and solar Lyman Î± flux deduced from STP 78â€1 UV observations. Journal of Geophysical Research, 1987, 92, 8759-8766.	3.3	31
74	On the relationship between the solar soft X ray flux and thermospheric nitric oxide: An update with an improved photoelectron model. Journal of Geophysical Research, 1995, 100, 19687.	3.3	31
75	HubbleSpaceTelescopeUltraviolet Imaging and Highâ€Resolution Spectroscopy of Water Photodissociation Products in Comet Hyakutake (C/1996 B2). Astrophysical Journal, 1998, 494, 816-821.	1.6	31
76	Magnetic fieldâ€aligned electric field acceleration and the characteristics of the optical aurora. Journal of Geophysical Research, 1987, 92, 6163-6167.	3.3	30
77	On the consistency of satellite measurements of thermospheric composition and solar EUV irradiance with Australian ionosonde electron density data. Journal of Geophysical Research, 2010, 115, .	3.3	30
78	OGO 3 observations of the Lyman alpha intensity and the hydrogen concentration beyond 5RE. Journal of Geophysical Research, 1970, 75, 1837-1847.	3.3	29
79	Extreme ultraviolet observations of the latitudinal variation of helium. Journal of Geophysical Research, 1974, 79, 1575-1578.	3.3	29
80	A resolution of the N2Carroll-Yoshino (c4â€² -X) band problem in the Earth's atmosphere. Journal of Geophysical Research, 1994, 99, 417.	3.3	29
81	Ionospheric total electron content: Spatial patterns of variability. Journal of Geophysical Research: Space Physics, 2016, 121, 10,367.	0.8	29
82	Angle-dependent frequency redistribution in a plane-parallel medium - External source case. Astrophysical Journal, 1980, 240, 185.	1.6	29
83	Spectroscopy of the O I 989â€•and 7990â€Ã… multiplets in the dayglow and aurora. Journal of Geophysical Research, 1982, 87, 6307-6316.	3.3	28
84	Determination of atmospheric composition and temperature from the u.v. airglow. Planetary and Space Science, 1983, 31, 967-976.	0.9	28
85	The OII 834 Ã… dayglow: A general model for excitation rate and intensity calculations. Planetary and Space Science, 1985, 33, 1179-1186.	0.9	28
86	Ogo-4 observations of the Lyman-Birge-Hopfield emission in the day airglow. Journal of Geophysical Research, 1971, 76, 6146-6158.	3.3	27
87	Investigation of ionospheric O+remote sensing using the 834-Ã… airglow. Journal of Geophysical Research, 1997, 102, 2441-2456.	3.3	27
88	Solar Lyman Series Line Profiles and Atomic Hydrogen Excitation Rates. Astrophysical Journal, 1995, 452, 462.	1.6	27
89	Observations of far and extreme ultraviolet OI emissions in tropical ionosphere. Planetary and Space Science, 1976, 24, 945-950.	0.9	26
90	Production of N+â^— from N2 + hv: Effective EUV emission yields from laboratory and dayglow data. Planetary and Space Science, 1991, 39, 1197-1207.	0.9	26

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91	Atomic oxygen in the thermosphere during the July 13, 1982, solar proton event deduced from far ultraviolet images. Journal of Geophysical Research, 1999, 104, 4267-4278.	3.3	26
92	Measured and modeled ionospheric densities, temperatures, and winds during the international polar year. Journal of Geophysical Research, 2009, 114, .	3.3	25
93	Observations of conjugate excitation of the O I 1304-A airglow. Journal of Geophysical Research, 1971, 76, 242-247.	3.3	24
94	The O I 3d Â³DÂ° â€•2p⁴ Â³P Transition at 1026 Ã… in the Day Airglow. Journal of Geophysical Research, 1987, 92, 8767-8773.	3.3	24
95	The OI 989 and 1173 Ã… multiplets in the dayglow. Planetary and Space Science, 1988, 36, 987-1003.	0.9	24
96	Global Ultraviolet Imager (GUVI) for the NASA Thermosphere-Ionsphere-Mesosphere Energetics and Dynamics (TIMED) mission. , 1994, 2266, 451.		24
97	Depressions in the far-ultraviolet airglow over the poles. Journal of Geophysical Research, 1970, 75, 6218-6232.	3.3	23
98	Investigation of the causes of the longitudinal variation of the electron density in the Weddell Sea Anomaly. Journal of Geophysical Research: Space Physics, 2017, 122, 6562-6583.	0.8	23
99	Lyman-Î± imagery of Comet Kohoutek. Icarus, 1974, 23, 526-537.	1.1	22
100	The scattering rate of solar 834 Ã… radiation by magnetospheric O⁺ and O⁺⁺. Geophysical Research Letters, 1990, 17, 1613-1616.	1.5	22
101	Interpretation of Dynamics Explorer far UV images of the quiet time thermosphere. Journal of Geophysical Research, 1995, 100, 5777.	3.3	22
102	Quenching rate coefficients for O+(2P) derived from middle ultraviolet airglow. Journal of Geophysical Research, 2003, 108, .	3.3	22
103	Oxygen atom Rydberg emission in the equatorial ionosphere from radiative recombination. Journal of Geophysical Research, 2004, 109, .	3.3	22
104	Balmer alpha distributions over a solar cycle: Comparison of observations with theory. Journal of Geophysical Research, 1971, 76, 1006-1016.	3.3	21
105	Can molecular diffusion explain Space Shuttle plume spreading?. Geophysical Research Letters, 2010, 37, .	1.5	21
106	Inferring Nighttime Ionospheric Parameters with the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. Space Science Reviews, 2018, 214, 1.	3.7	20
107	Annual and Semiannual Oscillations of Thermospheric Composition in TIMED/GUVI Limb Measurements. Journal of Geophysical Research: Space Physics, 2019, 124, 3067-3082.	0.8	20
108	The seasonalâ€latitudinal variation of exospheric helium from He 584â€A Dayglow emissions. Journal of Geophysical Research, 1979, 84, 1914-1920.	3.3	19

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109	Discrete inverse theory for 834-Ã... ionospheric remote sensing. Radio Science, 1997, 32, 1973-1984.	0.8	19
110	Daytime O/N2 Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). Space Science Reviews, 2018, 214, 1.	3.7	19
111	The Thermospheric Column O/N₂ Ratio. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA029059.	0.8	19
112	Resolution of the discrepancy between Balmer Î± emission rates, the solar Lyman Î² flux, and models of geocoronal hydrogen concentration. Journal of Geophysical Research, 1976, 81, 5587-5590.	3.3	18
113	Constraining and validating the Oct/Nov 2003 X-class EUV flare enhancements with observations of FUV dayglow andE-region electron densities. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	18
114	Disturbed O/N₂Ratios and their Transport to Middle and Low Latitudes. Geophysical Monograph Series, 0, , 221-234.	0.1	18
115	Temporal variations of solar Lyman alpha. Journal of Geophysical Research, 1969, 74, 6487-6490.	3.3	17
116	Inversion of plasmaspheric EUV remote sensing data from the STP 72-1 satellite. Journal of Geophysical Research, 1998, 103, 17505-17518.	3.3	17
117	Angle-dependent frequency redistribution - Internal source case. Astrophysical Journal, 1981, 250, 376.	1.6	17
118	Simultaneous measurements of the hydrogen airglow emissions of Lyman alpha, Lyman beta, and Balmer alpha. Journal of Geophysical Research, 1971, 76, 7734-7744.	3.3	16
119	On the N₂ Lymanâ€Birgeâ€Hopfield Band Nightglow. Journal of Geophysical Research, 1983, 88, 4929-4934.	3.3	16
120	The Â¹Dâ€Â³S transition in atomic oxygen: A new method of measuring the O abundance in planetary thermospheres. Geophysical Research Letters, 1985, 12, 601-604.	1.5	16
121	Atmospheric quantal emissions: A review of recent results. Journal of Atmospheric and Solar-Terrestrial Physics, 1985, 47, 623-642.	0.9	16
122	An analysis of the effects of N₂ absorption on the O⁺ 834â€Ã... Emission from rocket observations. Journal of Geophysical Research, 1989, 94, 17281-17285.	3.3	16
123	Bright polar mesospheric clouds formed by main engine exhaust from the space shuttle's final launch. Journal of Geophysical Research, 2012, 117, .	3.3	16
124	Theoretical tools for studies of lowâ€frequency thermospheric variability. Journal of Geophysical Research: Space Physics, 2013, 118, 5853-5873.	0.8	16
125	Analysis of the helium component of the local interstellar medium. Astrophysical Journal, 1979, 227, 816.	1.6	16
126	Verification of large-scale rapid transport in the lower thermosphere: Tracking the exhaust plume of STS-107 from launch to the Antarctic. Journal of Geophysical Research, 2011, 116, .	3.3	15

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127	A study of space shuttle plumes in the lower thermosphere. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	15
128	A Monte Carlo Study of Frequency Redistribution in an Externally Excited Medium. Astrophysical Journal, 1978, 219, 262.	1.6	15
129	Predictions of the hydrogen Lyman Î± coma of Comet Halley. Icarus, 1985, 62, 521-537.	1.1	14
130	A methodology for using optimal MSIS parameters retrieved from SSULI data to compute satellite drag on LEO objects. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 1317-1326.	0.6	14
131	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N₂ during a geomagnetic storm. Journal of Geophysical Research, 2008, 113, .	3.3	13
132	Geocoronal Lyman Î² and Balmer Î± emissions measured during the Apollo 16 mission. Journal of Geophysical Research, 1977, 82, 737-739.	3.3	12
133	Far-ultraviolet imaging spectrograph and scanning grating spectrometers for the Remote Atmospheric and Ionospheric Detection System. Optical Engineering, 1994, 33, 430.	0.5	12
134	Analysis of the solar O II/O III multiplets at 834 A - Implications for the emission measure distribution in the vicinity of 40,000 K. Astrophysical Journal, 1991, 369, 570.	1.6	12
135	Instrumentation on the Remote Atmospheric and Ionospheric Detection System Experiment: extreme-ultraviolet spectrometer, photometer, and near-infrared spectrometer. Optical Engineering, 1993, 32, 3054.	0.5	11
136	Enhanced empirical models of the thermosphere. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2000, 25, 537-542.	0.2	11
137	Improved model of Mie scattering contribution to tropospheric and stratospheric photodissociation fluxes. Applied Optics, 1980, 19, 1230.	2.1	10
138	Absolute O and O2 concentrations in the thermosphere from SKYLAB occultation data. Planetary and Space Science, 1992, 40, 1153-1166.	0.9	10
139	The 200â€‰to 300â€‰nm radiation field in the stratosphere: Comparison of models with observation. Journal of Geophysical Research, 1993, 98, 2741-2745.	3.3	10
140	Model for generating global images of emission from the thermosphere. Applied Optics, 1994, 33, 3578.	2.1	10
141	Similarity transformation-based analysis of atmospheric models, data, and inverse remote sensing algorithms. Journal of Geophysical Research, 2001, 106, 15519-15532.	3.3	10
142	Space shuttle exhaust plumes in the lower thermosphere: Advective transport and diffusive spreading. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 108, 50-60.	0.6	10
143	Analytical representation of g factors for rapid, accurate calculation of excitation rates in the dayside thermosphere. Journal of Geophysical Research, 1997, 102, 14485-14498.	3.3	9
144	On the fast zonal transport of the STS-121 space shuttle exhaust plume in the lower thermosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 94, 19-27.	0.6	9

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145	Investigation of the Causes of the Longitudinal and Solar Cycle Variation of the Electron Density in the Bering Sea and Weddell Sea Anomalies. Journal of Geophysical Research: Space Physics, 2018, 123, 7825-7842.	0.8	9
146	Multiple Scattering of Hydrogen LyÎ± Radiation in the Coma of Comet Hyakutake (C/1996 B2). Astrophysical Journal, 2000, 531, 599-611.	1.6	9
147	UV Molecular Spectroscopy from Electron Impact for Applications to Planetary Atmospheres and Astrophysics. , 2010, , 761-804.		9
148	High-altitude measurement of the Lyman alpha nightglow at solar minimum. Journal of Geophysical Research, 1970, 75, 4224-4229.	3.3	8
149	Thermal plasmaspheric morphology: Effect of geomagnetic and solar activity. Journal of Geophysical Research, 1999, 104, 10285-10294.	3.3	8
150	Atomic oxygen photoionization rates computed with high resolution cross sections and solar fluxes. Geophysical Research Letters, 2007, 34, .	1.5	8
151	Issues relating to â€œholesâ€•in the oi 1304 Ã... far u.v. dayglow. Planetary and Space Science, 1987, 35, 1297-1299.	0.9	7
152	Imagers for the magnetosphere, aurora, and plasmasphere. Optical Engineering, 1994, 33, 391.	0.5	7
153	A search for small comets with the Naval Space Command radar. Journal of Geophysical Research, 1999, 104, 12637-12643.	3.3	7
154	On the latitudinal variation of the semiannual oscillation in received solar radiation and temperature. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 194, 105098.	0.6	7
155	First Results From the Retrieved Column O/N₂ Ratio From the Ionospheric Connection Explorer (ICON): Evidence of the Impacts of Nonmigrating Tides. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029575.	0.8	7
156	Thermospheric aurora and airglow. Reviews of Geophysics, 1987, 25, 471-477.	9.0	6
157	The Remote Atmospheric And Ionospheric Detection System. , 1986, , .		5
158	Observations of hydrogen Lyman Î± emission from missile trails. Journal of Geophysical Research, 1999, 104, 10101-10109.	3.3	5
159	A study of partial frequency redistribution of monochromatic source radiation. Journal of Quantitative Spectroscopy and Radiative Transfer, 1981, 25, 137-143.	1.1	4
160	Rocket twilight observations of H I 1216 A horizon brightening near 150 kilometers. Journal of Geophysical Research, 1971, 76, 2437-2440.	3.3	3
161	Reply [to â€œComment on â€œA search for small comets with the Naval Space Command Radarâ€•by S. Knowles et al.â€]. Journal of Geophysical Research, 1999, 104, 22609-22611.	3.3	3
162	Low latitude airglow. Reviews of Geophysics, 1979, 17, 485-492.	9.0	2

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163	Geospace imaging using Thomson scattering. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 132-142.	0.6	2
164	Similarity transformations for fitting of geophysical properties: Application to altitude profiles of upper atmospheric species. Journal of Geophysical Research, 2000, 105, 18599-18608.	3.3	1