

Robert Meier

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1675882/robert-meier-publications-by-year.pdf>

Version: 2023-12-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

5,729
citations

43
h-index

65
g-index

172
ext. papers

6,177
ext. citations

4.1
avg, IF

5.28
L-index

#	Paper	IF	Citations
165	The Thermospheric Column O/N Ratio. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA029059		
164	First results from the retrieved column O/N ratio from the Ionospheric Connection Explorer (ICON): Evidence of the impacts of nonmigrating tides. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029575	2.6	1
163	On the latitudinal variation of the semiannual oscillation in received solar radiation and temperature. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 194, 105098	2	5
162	Annual and Semiannual Oscillations of Thermospheric Composition in TIMED/GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3067	2.6	7
161	Daytime O/N Retrieval Algorithm for the Ionospheric Connection Explorer (ICON). <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	11
160	Origins of the Thermosphere-Ionosphere Semiannual Oscillation: Reformulating the "Thermospheric Spoon" Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 931-954	2.6	24
159	Inferring Nighttime Ionospheric Parameters With the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	10
158	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , 2018 , 214, 1	7.5	68
157	Investigation of the Causes of the Longitudinal and Solar Cycle Variation of the Electron Density in the Bering Sea and Weddell Sea Anomalies. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7825-7842	2.6	5
156	Investigation of the causes of the longitudinal variation of the electron density in the Weddell Sea Anomaly. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6562-6583	2.6	14
155	Ionospheric total electron content: Spatial patterns of variability. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,367-10,402	2.6	22
154	Remote Sensing of Earth's Limb by TIMED/GUVI: Retrieval of thermospheric composition and temperature. <i>Earth and Space Science</i> , 2015 , 2, 1-37	3.1	75
153	Radiative transfer modeling of the OI 135.6nm emission in the nighttime ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10116-10135	2.6	22
152	Attribution of interminima changes in the global thermosphere and ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6657-6688	2.6	42
151	Quasi two day wave-related variability in the background dynamics and composition of the mesosphere/thermosphere and the ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4786-4804	2.6	43
150	Space shuttle exhaust plumes in the lower thermosphere: Advective transport and diffusive spreading. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014 , 108, 50-60	2	7
149	Disturbed O/N ₂ Ratios and their Transport to Middle and Low Latitudes. <i>Geophysical Monograph Series</i> , 2013 , 221-234	1.1	16

148	On the fast zonal transport of the STS-121 space shuttle exhaust plume in the lower thermosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013 , 94, 19-27	2	6
147	Theoretical tools for studies of low-frequency thermospheric variability. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5853-5873	2.6	12
146	Bright polar mesospheric clouds formed by main engine exhaust from the space shuttle's final launch. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		14
145	Solar extreme ultraviolet irradiance: Present, past, and future. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		60
144	O and N2 disturbances in the F region during the 20 November 2003 storm seen from TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
143	Verification of large-scale rapid transport in the lower thermosphere: Tracking the exhaust plume of STS-107 from launch to the Antarctic. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
142	The production of Titan's ultraviolet nitrogen airglow. <i>Journal of Geophysical Research</i> , 2011 , 116,		48
141	Ionospheric total electron content: Global and hemispheric climatology. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
140	A study of space shuttle plumes in the lower thermosphere. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		12
139	Global and regional trends in ionospheric total electron content. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		45
138	Inversion of Infrasound Signals for Passive Atmospheric Remote Sensing 2010 , 701-731		43
137	Can molecular diffusion explain Space Shuttle plume spreading?. <i>Geophysical Research Letters</i> , 2010 , 37,	4.9	17
136	On the consistency of satellite measurements of thermospheric composition and solar EUV irradiance with Australian ionosonde electron density data. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		24
135	UV Molecular Spectroscopy from Electron Impact for Applications to Planetary Atmospheres and Astrophysics 2010 , 761-804		9
134	Geospace imaging using Thomson scattering. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 132-142	2	1
133	Measured and modeled ionospheric densities, temperatures, and winds during the international polar year. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		22
132	Thermospheric global average density trends, 1967-2007, derived from orbits of 5000 near-Earth objects. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	103
131	Comparison of Global Ultraviolet Imager limb and disk observations of column O/N2 during a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		11

130	Periodic modulations in thermospheric composition by solar wind high speed streams. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	76
129	XUV Photometer System (XPS): Improved Solar Irradiance Algorithm Using CHIANTI Spectral Models. <i>Solar Physics</i> , 2008 , 250, 235-267	2.6	53
128	Atomic oxygen photoionization rates computed with high resolution cross sections and solar fluxes. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	4
127	Constraining and validating the Oct/Nov 2003 X-class EUV flare enhancements with observations of FUV dayglow and E-region electron densities. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		16
126	Thermospheric density 2002-2004: TIMED/GUVI dayside limb observations and satellite drag. <i>Journal of Geophysical Research</i> , 2006 , 111,		41
125	Global thermosphere-ionosphere response to onset of 20 November 2003 magnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		91
124	The October 28, 2003 extreme EUV solar flare and resultant extreme ionospheric effects: Comparison to other Halloween events and the Bastille Day event. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	171
123	First look at the 20 November 2003 superstorm with TIMED/GUVI: Comparisons with a thermospheric global circulation model. <i>Journal of Geophysical Research</i> , 2005 , 110,		101
122	Antarctic mesospheric clouds formed from space shuttle exhaust. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	36
121	The global ionospheric asymmetry in total electron content. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005 , 67, 1377-1387	2	91
120	Solar EUV irradiance variability derived from terrestrial far ultraviolet dayglow observations. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	35
119	Quiet-time seasonal behavior of the thermosphere seen in the far ultraviolet dayglow. <i>Journal of Geophysical Research</i> , 2004 , 109,		84
118	Oxygen atom Rydberg emission in the equatorial ionosphere from radiative recombination. <i>Journal of Geophysical Research</i> , 2004 , 109,		20
117	Quenching rate coefficients for O+(2P) derived from middle ultraviolet airglow. <i>Journal of Geophysical Research</i> , 2003 , 108,		19
116	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. <i>Journal of Geophysical Research</i> , 2003 , 108,		257
115	Ionospheric and dayglow responses to the radiative phase of the Bastille Day flare. <i>Geophysical Research Letters</i> , 2002 , 29, 99-1-99-4	4.9	48
114	Similarity transformation-based analysis of atmospheric models, data, and inverse remote sensing algorithms. <i>Journal of Geophysical Research</i> , 2001 , 106, 15519-15532		8
113	A methodology for using optimal MSIS parameters retrieved from SSULI data to compute satellite drag on LEO objects. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2000 , 62, 1317-1326	2	11

112	Enhanced empirical models of the thermosphere. <i>Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science</i> , 2000 , 25, 537-542		5
111	Similarity transformations for fitting of geophysical properties: Application to altitude profiles of upper atmospheric species. <i>Journal of Geophysical Research</i> , 2000 , 105, 18599-18608		1
110	Multiple Scattering of Hydrogen Ly α Radiation in the Coma of Comet Hyakutake (C/1996 B2). <i>Astrophysical Journal</i> , 2000 , 531, 599-611	4-7	3
109	Global O/N2 derived from DE 1 FUV dayglow data: Technique and examples from two storm periods. <i>Journal of Geophysical Research</i> , 1999 , 104, 4251-4266		51
108	Atomic oxygen in the thermosphere during the July 13, 1982, solar proton event deduced from far ultraviolet images. <i>Journal of Geophysical Research</i> , 1999 , 104, 4267-4278		23
107	Observations of hydrogen Lyman α emission from missile trails. <i>Journal of Geophysical Research</i> , 1999 , 104, 10101-10109		5
106	Thermal plasmaspheric morphology: Effect of geomagnetic and solar activity. <i>Journal of Geophysical Research</i> , 1999 , 104, 10285-10294		6
105	A search for small comets with the Naval Space Command radar. <i>Journal of Geophysical Research</i> , 1999 , 104, 12637-12643		6
104	Analysis of the oxygen nightglow measured by the Hopkins Ultraviolet Telescope: Implications for ionospheric partial radiative recombination rate coefficients. <i>Journal of Geophysical Research</i> , 1999 , 104, 14901-14913		53
103	Reply [to Comment on A search for small comets with the Naval Space Command Radar] by S. Knowles et al. <i>Journal of Geophysical Research</i> , 1999 , 104, 22609-22611		2
102	Inversion of plasmaspheric EUV remote sensing data from the STP 72-1 satellite. <i>Journal of Geophysical Research</i> , 1998 , 103, 17505-17518		15
101	Two-dimensional mapping of the plasma density in the upper atmosphere with computerized ionospheric tomography (CIT). <i>Physics of Plasmas</i> , 1998 , 5, 2010-2021	2-1	45
100	HubbleSpaceTelescopeUltraviolet Imaging and High-Resolution Spectroscopy of Water Photodissociation Products in Comet Hyakutake (C/1996 B2). <i>Astrophysical Journal</i> , 1998 , 494, 816-821	4-7	29
99	Analytical representation of g factors for rapid, accurate calculation of excitation rates in the dayside thermosphere. <i>Journal of Geophysical Research</i> , 1997 , 102, 14485-14498		7
98	Discrete inverse theory for 834- Å ionospheric remote sensing. <i>Radio Science</i> , 1997 , 32, 1973-1984	1-4	18
97	Investigation of ionospheric O $^+$ remote sensing using the 834- Å airglow. <i>Journal of Geophysical Research</i> , 1997 , 102, 2441-2456		26
96	Actinic radiation in the terrestrial atmosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1997 , 59, 2111-2157	2	27
95	Interpretation of Dynamics Explorer far UV images of the quiet time thermosphere. <i>Journal of Geophysical Research</i> , 1995 , 100, 5777		22

94	On the relationship between the solar soft X ray flux and thermospheric nitric oxide: An update with an improved photoelectron model. <i>Journal of Geophysical Research</i> , 1995 , 100, 19687		29
93	Solar Lyman Series Line Profiles and Atomic Hydrogen Excitation Rates. <i>Astrophysical Journal</i> , 1995 , 452, 462	4-7	25
92	Special Sensor Ultraviolet Limb Imager: an ionospheric and neutral density profiler for the Defense Meteorological Satellite Program satellites. <i>Optical Engineering</i> , 1994 , 33, 423	1.1	42
91	Imagers for the magnetosphere, aurora, and plasmasphere. <i>Optical Engineering</i> , 1994 , 33, 391	1.1	6
90	Far-ultraviolet imaging spectrograph and scanning grating spectrometers for the Remote Atmospheric and Ionospheric Detection System. <i>Optical Engineering</i> , 1994 , 33, 430	1.1	11
89	A resolution of the N ₂ Carroll-Yoshino (c4? - X) band problem in the Earth's atmosphere. <i>Journal of Geophysical Research</i> , 1994 , 99, 417		29
88	Retrieval of absolute thermospheric concentrations from the far UV dayglow: An application of discrete inverse theory. <i>Journal of Geophysical Research</i> , 1994 , 99, 6307		60
87	Model for generating global images of emission from the thermosphere. <i>Applied Optics</i> , 1994 , 33, 3578-247		9
86	Global Ultraviolet Imager (GUVI) for the NASA Thermosphere-Ionsphere-Mesosphere Energetics and Dynamics (TIMED) mission 1994 , 2266, 451		21
85	The 200- to 300-nm radiation field in the stratosphere: Comparison of models with observation. <i>Journal of Geophysical Research</i> , 1993 , 98, 2741-2745		7
84	Instrumentation on the Remote Atmospheric and Ionospheric Detection System Experiment: extreme-ultraviolet spectrometer, photometer, and near-infrared spectrometer. <i>Optical Engineering</i> , 1993 , 32, 3054	1.1	11
83	Atomic oxygen in the Martian thermosphere. <i>Journal of Geophysical Research</i> , 1992 , 97, 91		66
82	Absolute O and O ₂ concentrations in the thermosphere from SKYLAB occultation data. <i>Planetary and Space Science</i> , 1992 , 40, 1153-1166	2	9
81	Production of N ⁺ from N ₂ + hv: Effective EUV emission yields from laboratory and dayglow data. <i>Planetary and Space Science</i> , 1991 , 39, 1197-1207	2	26
80	Ultraviolet spectroscopy and remote sensing of the upper atmosphere. <i>Space Science Reviews</i> , 1991 , 58, 1-185	7.5	409
79	Nitrogen airglow sources: Comparison of Triton, Titan, and Earth. <i>Geophysical Research Letters</i> , 1991 , 18, 689-692	4.9	40
78	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. <i>Astrophysical Journal</i> , 1991 , 369, 570	4.7	12
77	The scattering rate of solar 834 Å radiation by magnetospheric O ⁺ and O ⁺⁺ . <i>Geophysical Research Letters</i> , 1990 , 17, 1613-1616	4.9	21

76	The EUV dayglow at high spectral resolution. <i>Journal of Geophysical Research</i> , 1990 , 95, 4113		33
75	Deducing composition and incident electron spectra from ground-based auroral optical measurements: Theory and model results. <i>Journal of Geophysical Research</i> , 1989 , 94, 13527		105
74	Deducing composition and incident electron spectra from ground-based auroral optical measurements: A study of auroral red line processes. <i>Journal of Geophysical Research</i> , 1989 , 94, 13541		49
73	Deducing composition and incident electron spectra from ground-based auroral optical measurements: Variations in oxygen density. <i>Journal of Geophysical Research</i> , 1989 , 94, 13553		44
72	An analysis of the effects of N ₂ absorption on the O ⁺ 834-Å emission from rocket observations. <i>Journal of Geophysical Research</i> , 1989 , 94, 17281		14
71	Satellite observations of the oi 1304, 1356 and 1641 Å dayglow and the abundance of atomic oxygen in the thermosphere. <i>Planetary and Space Science</i> , 1988 , 36, 963-973	2	29
70	The OI 989 and 1173 Å multiplets in the dayglow. <i>Planetary and Space Science</i> , 1988 , 36, 987-1003	2	23
69	The far ultraviolet vehicle glow of the S3-4 satellite. <i>Geophysical Research Letters</i> , 1987 , 14, 628-631	4.9	30
68	Magnetic field-aligned electric field acceleration and the characteristics of the optical aurora. <i>Journal of Geophysical Research</i> , 1987 , 92, 6163		27
67	Hydrogen Balmer alpha intensity distributions and line profiles from multiple scattering theory using realistic geocoronal models. <i>Journal of Geophysical Research</i> , 1987 , 92, 7619		46
66	Atomic hydrogen and solar Lyman β flux deduced from STP 78-1 UV observations. <i>Journal of Geophysical Research</i> , 1987 , 92, 8759		30
65	The O I 3d ² D _{5/3} - 2p ⁴ ² P transition at 1026 Å in the Day Airglow. <i>Journal of Geophysical Research</i> , 1987 , 92, 8767		19
64	Thermospheric aurora and airglow. <i>Reviews of Geophysics</i> , 1987 , 25, 471	23.1	5
63	Issues relating to H ₂ in the oi 1304 Å far u.v. dayglow. <i>Planetary and Space Science</i> , 1987 , 35, 1297-1299 ₂		7
62	The Remote Atmospheric And Ionospheric Detection System 1986 ,		2
61	Reanalysis of Pioneer Orbiter ultraviolet spectrometer data: OI 1304 intensities and atomic oxygen densities. <i>Geophysical Research Letters</i> , 1986 , 13, 229-232	4.9	28
60	The OII 834 Å dayglow: A general model for excitation rate and intensity calculations. <i>Planetary and Space Science</i> , 1985 , 33, 1179-1186	2	27
59	Predictions of the hydrogen Lyman β coma of Comet Halley. <i>Icarus</i> , 1985 , 62, 521-537	3.8	14

58	The $\text{D}^{\text{D}}\text{-D}^{\text{D}}$ transition in atomic oxygen: A new method of measuring the O abundance in planetary thermospheres. <i>Geophysical Research Letters</i> , 1985 , 12, 601-604	4.9	15
57	The ultraviolet dayglow at solar maximum: 3. Photoelectron-excited emissions of N ₂ and O. <i>Journal of Geophysical Research</i> , 1985 , 90, 6608		46
56	Atmospheric quantal emissions: A review of recent results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1985 , 47, 623-642		15
55	Atomic oxygen emissions observed from Pioneer Venus. <i>Geophysical Research Letters</i> , 1983 , 10, 214-217.	4.9	23
54	On the N ₂ Lyman-Birge-Hopfield Band Nightglow. <i>Journal of Geophysical Research</i> , 1983 , 88, 4929		16
53	Determination of atmospheric composition and temperature from the u.v. airglow. <i>Planetary and Space Science</i> , 1983 , 31, 967-976	2	26
52	Analysis of nitrogen and oxygen far ultraviolet auroral emissions. <i>Journal of Geophysical Research</i> , 1982 , 87, 2444		50
51	Spectroscopy of the O I 989- and 7990- \AA multiplets in the dayglow and aurora. <i>Journal of Geophysical Research</i> , 1982 , 87, 6307		27
50	Radiation field in the troposphere and stratosphere from 240-1000 NM-I. General analysis. <i>Planetary and Space Science</i> , 1982 , 30, 923-933	2	85
49	Radiation field in the troposphere and stratosphere-II. Numerical analysis. <i>Planetary and Space Science</i> , 1982 , 30, 935-983	2	56
48	An analysis of the O I 1304 \AA dayglow using a Monte Carlo resonant scattering model with partial frequency redistribution. <i>Planetary and Space Science</i> , 1982 , 30, 439-450	2	72
47	The ultraviolet dayglow 4. The spectrum and excitation of singly ionized oxygen. <i>Journal of Geophysical Research</i> , 1981 , 86, 3583		48
46	A study of partial frequency redistribution of monochromatic source radiation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1981 , 25, 137-143	2.1	4
45	Characteristics of the helium component of the local interstellar medium. <i>Astrophysical Journal</i> , 1981 , 246, 386	4.7	44
44	Angle-dependent frequency redistribution - Internal source case. <i>Astrophysical Journal</i> , 1981 , 250, 376	4.7	16
43	Photoionization rates in the night-time E- and F-region ionosphere*. <i>Planetary and Space Science</i> , 1980 , 28, 1027-1033	2	59
42	The UV dayglow 2, Ly α and Ly β emissions and the H distribution in the mesosphere and thermosphere. <i>Geophysical Research Letters</i> , 1980 , 7, 529-532	4.9	37
41	The UV dayglow 3, O I emissions at 989, 1027, 1152, 1304, and 1356 \AA . <i>Geophysical Research Letters</i> , 1980 , 7, 1057-1060	4.9	38

40	The ultraviolet dayglow 1. Far UV emissions of N and N ₂ . <i>Journal of Geophysical Research</i> , 1980 , 85, 2177		58
39	Improved model of Mie scattering contribution to tropospheric and stratospheric photodissociation fluxes. <i>Applied Optics</i> , 1980 , 19, 1230-1	1.7	9
38	Angle-dependent frequency redistribution in a plane-parallel medium - External source case. <i>Astrophysical Journal</i> , 1980 , 240, 185	4.7	27
37	Effects of anisotropic multiple scattering on solar radiation in the troposphere and stratosphere. <i>Applied Optics</i> , 1979 , 18, 1955-60	1.7	35
36	Spectroscopy of the extreme ultraviolet dayglow at 6.5 μ resolution: Atomic and ionic emissions between 530 and 1240 μ . <i>Geophysical Research Letters</i> , 1979 , 6, 325-328	4.9	56
35	The seasonal-latitudinal variation of exospheric helium from He 584-A Dayglow emissions. <i>Journal of Geophysical Research</i> , 1979 , 84, 1914		15
34	Low latitude airglow. <i>Reviews of Geophysics</i> , 1979 , 17, 485	23.1	2
33	Analysis of the helium component of the local interstellar medium. <i>Astrophysical Journal</i> , 1979 , 227, 816-4.7		13
32	Atmospheric scattering of middle uv radiation from an internal source. <i>Applied Optics</i> , 1978 , 17, 3216-251.7		39
31	A Monte Carlo Study of Frequency Redistribution in an Externally Excited Medium. <i>Astrophysical Journal</i> , 1978 , 219, 262	4.7	13
30	Geocoronal Lyman α and Balmer δ emissions measured during the Apollo 16 mission. <i>Journal of Geophysical Research</i> , 1977 , 82, 737-739		9
29	Apollo 16 Lyman alpha imagery of the hydrogen geocorona. <i>Journal of Geophysical Research</i> , 1976 , 81, 1664-1672		41
28	Resolution of the discrepancy between Balmer δ emission rates, the solar Lyman α flux, and models of geocoronal hydrogen concentration. <i>Journal of Geophysical Research</i> , 1976 , 81, 5587-5590		17
27	Observations of far and extreme ultraviolet OI emissions in tropical ionosphere. <i>Planetary and Space Science</i> , 1976 , 24, 945-950	2	23
26	Far-Ultraviolet Studies of Missile Trails 1976 ,		2
25	Remote sensing of the ionospheric F layer by use of O I 6300- μ and O I 1356- μ observations. <i>Journal of Geophysical Research</i> , 1975 , 80, 2327-2332		33
24	Observations of equatorial EUV bands: Evidence for low-altitude precipitation of ring current helium. <i>Journal of Geophysical Research</i> , 1975 , 80, 2813-2818		28
23	The nighttime ionosphere: E region and lower F region. <i>Journal of Geophysical Research</i> , 1974 , 79, 3171-3178		88

22	First satellite observations of the He+ 304-Å radiation and its interpretation. <i>Journal of Geophysical Research</i> , 1974 , 79, 1572-1574		34
21	Extreme ultraviolet observations of the latitudinal variation of helium. <i>Journal of Geophysical Research</i> , 1974 , 79, 1575-1578		27
20	Comet kohoutek: ultraviolet images and spectrograms. <i>Science</i> , 1974 , 185, 702-5	33-3	32
19	Lyman-β imagery of Comet Kohoutek. <i>Icarus</i> , 1974 , 23, 526-537	3.8	16
18	Observations of helium in the interplanetary/interstellar wind - The solar-wake effect. <i>Astrophysical Journal</i> , 1974 , 193, 471	4-7	107
17	Spatial and temporal variations of the Lyman-alpha airglow and related atomic hydrogen distributions. <i>Planetary and Space Science</i> , 1973 , 21, 309-327	2	58
16	Tropical UV arcs: Comparison of brightness with DF 2. <i>Journal of Geophysical Research</i> , 1973 , 78, 3189-3193		35
15	EUV resonance radiation from helium atoms and ions in the geocorona. <i>Journal of Geophysical Research</i> , 1972 , 77, 1190-1204		61
14	Observations of conjugate excitation of the O I 1304-Å airglow. <i>Journal of Geophysical Research</i> , 1971 , 76, 242-247		23
13	Balmer alpha distributions over a solar cycle: Comparison of observations with theory. <i>Journal of Geophysical Research</i> , 1971 , 76, 1006-1016		19
12	Rocket twilight observations of H I 1216 Å horizon brightening near 150 kilometers. <i>Journal of Geophysical Research</i> , 1971 , 76, 2437-2440		3
11	Observations of the O I 1304-Å airglow from Ogo 4. <i>Journal of Geophysical Research</i> , 1971 , 76, 4608-4620		32
10	Ogo-4 observations of the Lyman-Birge-Hopfield emission in the day airglow. <i>Journal of Geophysical Research</i> , 1971 , 76, 6146-6158		27
9	Simultaneous measurements of the hydrogen airglow emissions of Lyman alpha, Lyman beta, and Balmer alpha. <i>Journal of Geophysical Research</i> , 1971 , 76, 7734-7744		16
8	Geocoronal hydrogen: An analysis of the Lyman-alpha airglow observed from OGO-4. <i>Planetary and Space Science</i> , 1970 , 18, 803-821	2	83
7	OGO 3 observations of the Lyman alpha intensity and the hydrogen concentration beyond 5 RE. <i>Journal of Geophysical Research</i> , 1970 , 75, 1837-1847		27
6	High-altitude measurement of the Lyman alpha nightglow at solar minimum. <i>Journal of Geophysical Research</i> , 1970 , 75, 4224-4229		8
5	Depressions in the far-ultraviolet airglow over the poles. <i>Journal of Geophysical Research</i> , 1970 , 75, 6218-6232		23

- 4 Absorption of the solar Lyman alpha line by geocoronal atomic hydrogen. *Journal of Geophysical Research*, **1970**, 75, 6969-6979 32
- 3 Balmer alpha and Lyman beta in the hydrogen geocorona. *Journal of Geophysical Research*, **1969**, 74, 3561-3574 50
- 2 Temporal variations of solar Lyman alpha. *Journal of Geophysical Research*, **1969**, 74, 6487-6490 16
- 1 Distribution of sodium in the daytime upper atmosphere as measured by a rocket experiment. *Journal of Geophysical Research*, **1967**, 72, 2803-2829 58