Robert A Vincent

List of Publications by Year
in descending order

230 papers	10,934 citations	34016 52 h-index	42291 92 g-index
238 all docs	238 docs citations	238 times ranked	2665 citing authors

#	Article	IF	Citations
1	Empirical wind model for the upper, middle and lower atmosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1996, 58, 1421-1447.	0.9	587
2	An empirical model of the Earth's horizontal wind fields: HWM07. Journal of Geophysical Research, 2008, 113, .	3.3	448
3	Recent developments in gravityâ€wave effects in climate models and the global distribution of gravityâ€wave momentum flux from observations and models. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1103-1124.	1.0	403
4	Mesospheric Momentum Flux Studies at Adelaide, Australia: Observations and a Gravity Waveâ€“Tidal Interaction Model. Journals of the Atmospheric Sciences, 1987, 44, 605-619.	0.6	356
5	HF Doppler Measurements of Mesospheric Gravity Wave Momentum Fluxes. Journals of the Atmospheric Sciences, 1983, 40, 1321-1333.	0.6	335
6	Gravity wave activity in the lower atmosphere: Seasonal and latitudinal variations. Journal of Geophysical Research, 1995, 100, 1327-1350.	3.3	315
7	Climatology of the semiannual oscillation of the tropical middle atmosphere. Journal of Geophysical Research, 1997, 102, 26019-26032.	3.3	229
8	A Climatology of Gravity Wave Motions in the Mesopause Region at Adelaide, Australia. Journals of the Atmospheric Sciences, 1987, 44, 748-760.	0.6	207
9	Gravity waves in the tropical lower stratosphere: An observational study of seasonal and interannual variability. Journal of Geophysical Research, 2000, 105, 17971-17982.	3.3	197
10	Estimation of Gravity Wave Momentum Flux and Phase Speeds from Quasi-Lagrangian Stratospheric Balloon Flights. Part II: Results from the Vorcore Campaign in Antarctica. Journals of the Atmospheric Sciences, 2008, 65, 3056-3070.	0.6	190
11	Gravity-wave motions in the mesosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1984, 46, 119-128.	0.9	161
12	Analysis and interpretation of airglow and radar observations of quasi-monochromatic gravity waves in the upper mesosphere and lower thermosphere over Adelaide, Australia (35Â°S, 138Â°E). Journal of Atmospheric and Solar-Terrestrial Physics, 1999, 61, 461-478.	0.6	156
13	Long-term variability in the equatorial middle atmosphere zonal wind. Journal of Geophysical Research, 1996, 101, 12847-12854.	3.3	142
14	Dynamics of the equatorial mesosphere: First results with a new generation partial reflection radar. Geophysical Research Letters, 1991, 18, 825-828.	1.5	131
15	Long-term MF radar observations of solar tides in the low-latitude mesosphere: Interannual variability and comparisons with the GSWM. Journal of Geophysical Research, 1998, 103, 8667-8683.	3.3	127
16	Measurements of mesospheric gravity wave momentum fluxes and mean flow accelerations at Adelaide, Australia. Journal of Atmospheric and Solar-Terrestrial Physics, 1987, 49, 443-460.	0.9	121
17	High-latitude tidal behavior in the mesosphere and lower thermosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1989, 51, 595-608.	0.9	115
18	Validation of mesosphere and lower thermosphere winds from the high resolution Doppler imager on UARS. Journal of Geophysical Research, 1996, 101, 10365-10392.	3.3	109

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19	The quasiâ€twoâ€day wave observed in the equatorial middle atmosphere. Journal of Geophysical Research, 1993, 98, 10481-10490.	3.3	108
20	A comparative study of mesospheric solar tides observed at Adelaide and Kyoto. Journal of Geophysical Research, 1988, 93, 699-708.	3.3	106
21	Seasonal variations of the semi-diurnal and diurnal tides in the MLT: multi-year MF radar observations from 2 to 70Â°N, and the GSWM tidal model. Journal of Atmospheric and Solar-Terrestrial Physics, 1999, 61, 809-828.	0.6	99
22	MF/HF radar measurements of the dynamics of the mesopause regionâ€"A review. Journal of Atmospheric and Solar-Terrestrial Physics, 1984, 46, 961-974.	0.9	97
23	Latitudinal Variations Observed in Gravity Waves with Short Vertical Wavelengths. Journals of the Atmospheric Sciences, 2002, 59, 1394-1404.	0.6	90
24	Observations of the 5-day wave in the mesosphere and lower thermosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 323-339.	0.6	90
25	Asymmetries in mesospheric tidal structure. Journal of Atmospheric and Solar-Terrestrial Physics, 1989, 51, 609-616.	0.9	86
26	Falling sphere observations of anisotropic gravity wave motions in the upper stratosphere over Australia. Pure and Applied Geophysics, 1989, 130, 509-532.	0.8	85
27	Variations of the gravity wave characteristics with height, season and latitude revealed by comparative observations. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 555-568.	0.9	83
28	VHF radar studies of tropospheric velocities and irregularities using spaced antenna techniques. Geophysical Research Letters, 1978, 5, 917-920.	1.5	82
29	Radar observations of a 3-day Kelvin wave in the equatorial mesosphere. Journal of Geophysical Research, 1997, 102, 26141-26157.	3.3	79
30	Long period wind oscillations observed by the Kyoto meteor radar and comparison of the quasi-2-day wave with Adelaide HF radar observations. Journal of Atmospheric and Solar-Terrestrial Physics, 1988, 50, 225-230.	0.9	78
31	Intraseasonal wind variability in the equatorial mesosphere and lower thermosphere: long-term observations from the central Pacific. Journal of Atmospheric and Solar-Terrestrial Physics, 1997, 59, 603-627.	0.6	77
32	VHF Radar Observations of Gravity-Wave Production by Cold Fronts over Southern Australia. Journals of the Atmospheric Sciences, 1993, 50, 785-806.	0.6	76
33	Effects of mean winds and dissipation on the diurnal propagating tide: An analytic approach. Planetary and Space Science, 1989, 37, 197-209.	0.9	75
34	Long-period motions in the equatorial mesosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1993, 55, 1067-1080.	0.9	75
35	The 6.5-day wave in the mesosphere and lower thermosphere: Evidence for baroclinic/barotropic instability. Journal of Geophysical Research, 2003, 108, .	3.3	75
36	The large-scale dynamics of the mesosphereâ€"lower thermosphere during the Southern Hemisphere stratospheric warming of 2002. Geophysical Research Letters, 2004, 31, .	1.5	75

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37	The quasi 2-day wave in the Southern Hemisphere mesosphere. Nature, 1980, 287, 319-320.	13.7	74
38	A study of motions in the winter mesosphere using the partial reflection drift technique. Planetary and Space Science, 1977, 25, 441-455.	0.9	73
39	Gravity-Wave Parameters in the Lower Stratosphere. , 1997, , 7-25.		73
40	A climatology of tides in the Antarctic mesosphere and lower thermosphere. Journal of Geophysical Research, 2006, 111, .	3.3	72
41	The 16-day planetary waves: multi-MF radar observations from the arctic to equator and comparisons with the HRDI measurements and the GSWM modelling results. Annales Geophysicae, 2002, 20, 691-709.	0.6	70
42	Global-scale tidal variability during the PSMOS campaign of Juneâ€“August 1999: interaction with planetary waves. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1865-1896.	0.6	70
43	MF radar observations of seasonal variability of semidiurnal motions in the mesosphere at high northern and southern latitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 483-493.	0.6	66
44	Variability of mesospheric diurnal tides and tropospheric diurnal heating during 1997â€“1998. Journal of Geophysical Research, 2007, 112, .	3.3	64
45	Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of Juneâ€“August 1999 and comparisons with the global-scale wave model. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1011-1035.	0.6	62
46	Spaced antenna VHF radar observations of tropospheric velocities and irregularities. Radio Science, 1980, 15, 319-335.	0.8	61
47	Comparisons between Satellite-derived Gradient Winds and Radar-derived Winds from the CIRA-86. Journals of the Atmospheric Sciences, 1991, 48, 411-428.	0.6	61
48	Spacedâ€antenna analysis in the frequency domain. Radio Science, 1992, 27, 117-129.	0.8	60
49	Wavelet analysis of stratospheric gravity wave packets over Macquarie Island: 1. Wave parameters. Journal of Geophysical Research, 2001, 106, 10275-10288.	3.3	60
50	Amplification of the quasiâ€two day wave through nonlinear interaction with the migrating diurnal tide. Geophysical Research Letters, 2010, 37, .	1.5	60
51	First results with the Adelaide VHF radar: spaced antenna studies of tropospheric winds. Journal of Atmospheric and Solar-Terrestrial Physics, 1987, 49, 353-366.	0.9	57
52	Validation of O(1S) wind measurements by WINDII: the WIND Imaging Interferometer on UARS. Journal of Geophysical Research, 1996, 101, 10405-10430.	3.3	57
53	The Quasi-Two-Day Wave Event of January 1984 and Its Impact on the Mean Mesospheric Circulation. Journals of the Atmospheric Sciences, 1987, 44, 3030-3036.	0.6	56
54	Seasonal variations of the semi-diurnal and diurnal tides in the MLT: multi-year MF radar observations from 2â€“70Â° N, modelled tides (GSWM, CMAM). Annales Geophysicae, 2002, 20, 661-677.	0.6	56

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55	Characteristics of gravity waves with short vertical wavelengths observed with radiosonde and GPS occultation during DAWEX (Darwin Area Wave Experiment). Journal of Geophysical Research, 2004, 109, .	3.3	54
56	Gravity waves in the tropical lower stratosphere: A model study of seasonal and interannual variability. Journal of Geophysical Research, 2000, 105, 17983-17993.	3.3	52
57	Mesosphere/lower thermosphere prevailing wind model. Advances in Space Research, 2004, 34, 1755-1762.	1.2	52
58	The dynamics of the mesosphere and lower thermosphere: a brief review. Progress in Earth and Planetary Science, 2015, 2, .	1.1	52
59	A General Approach to the Retrieval of Raindrop Size Distributions from Wind Profiler Doppler Spectra: Modeling Results. Journal of Atmospheric and Oceanic Technology, 1993, 10, 710-717.	0.5	51
60	Short-period fluctuations of the diurnal tide observed with low-latitude MF and meteor radars during CADRE: Evidence for gravity wave/tidal interactions. Journal of Geophysical Research, 1997, 102, 26225-26238.	3.3	51
61	First observations of intraseasonal oscillations in the equatorial mesosphere and lower thermosphere. Geophysical Research Letters, 1994, 21, 265-268.	1.5	50
62	Longitudinal variations in planetary wave activity in the equatorial mesosphere. Earth, Planets and Space, 1999, 51, 665-674.	0.9	50
63	Polar mesosphere and lower thermosphere dynamics: 1. Mean wind and gravity wave climatologies. Journal of Geophysical Research, 2007, 112, .	3.3	50
64	Simultaneous observations of the quasi 2-day wave in the northern and southern hemispheres. Journal of Atmospheric and Solar-Terrestrial Physics, 1983, 45, 539-541.	0.9	49
65	Quasiâ€Lagrangian superpressure balloon measurements of gravityâ€wave momentum fluxes in the polar stratosphere of both hemispheres. Geophysical Research Letters, 2007, 34, .	1.5	49
66	Radiosonde observations of gravity waves in the lower stratosphere over Davis, Antarctica. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,973.	1.2	49
67	The Ginninderra CH4 and CO2 release experiment: An evaluation of gas detection and quantification techniques. International Journal of Greenhouse Gas Control, 2018, 70, 202-224.	2.3	49
68	Mesospheric winds at lowâ€•and midâ€latitudes in the southern hemisphere. Journal of Geophysical Research, 1981, 86, 9159-9169.	3.3	47
69	Two-day wave structure and mean flow interactions observed by radar and High Resolution Doppler Imager. Journal of Geophysical Research, 1999, 104, 3953-3969.	3.3	47
70	Measurements of the horizontal scales and phase velocities of short period mesospheric gravity waves at Adelaide, Australia. Journal of Atmospheric and Solar-Terrestrial Physics, 1987, 49, 1033-1048.	0.9	46
71	Dynamics of the Antarctic and Arctic mesosphere and lower thermosphere regionsâ€”II. The semidiurnal tide. Journal of Atmospheric and Solar-Terrestrial Physics, 1993, 55, 843-855.	0.9	46
72	Dynamics of the mesosphere and lower thermosphere as seen by MF radars and by the high-resolution Doppler imager/UARS. Journal of Geophysical Research, 1996, 101, 10393-10404.	3.3	46

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73	Quasi 2-day oscillation of the ionosphere during summer 1992. Journal of Geophysical Research, 1997, 102, 7301-7305.	3.3	46
74	Dynamics of the Antarctic and Arctic mesosphere and lower thermosphere regionsâ€"I. The prevailing wind. Journal of Atmospheric and Solar-Terrestrial Physics, 1993, 55, 827-841.	0.9	45
75	Mesospheric gravity waves at Saskatoon (52Â°N), Kyoto (35Â°N), and Adelaide (35Â°S). Journal of Geophysical Research, 1996, 101, 7005-7012.	3.3	45
76	Estimation of Gravity Wave Momentum Flux and Phase Speeds from Quasi-Lagrangian Stratospheric Balloon Flights. Part I: Theory and Simulations. Journals of the Atmospheric Sciences, 2008, 65, 3042-3055.	0.6	45
77	A comparison of partial reflection drifts with winds determined by rocket techniquesâ€"1. Journal of Atmospheric and Solar-Terrestrial Physics, 1977, 39, 813-821.	0.9	44
78	Gravity wave activity and dynamical effects in the middle atmosphere (60â€"90km): observations from an MF/MLT radar network, and results from the Canadian Middle Atmosphere Model (CMAM). Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 65-90.	0.6	44
79	Tidal generation of the phase-locked 2-day wave in the southern hemisphere summer by wave-wave interactions. Journal of Geophysical Research, 1996, 101, 26567-26576.	3.3	42
80	An intercomparison between the GSWM, UARS, and ground based radar observations: a case-study in January 1993. Annales Geophysicae, 1997, 15, 1123-1141.	0.6	41
81	Gravity-wave motions in the mesosphere and lower thermosphere observed at Mawson, Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 593-602.	0.9	40
82	Observations of a nonmigrating component of the semidiurnal tide over Antarctica. Journal of Geophysical Research, 2003, 108, .	3.3	40
83	A comparison of mean winds and gravity wave activity in the northern and southern polar MLT. Geophysical Research Letters, 2001, 28, 1475-1478.	1.5	39
84	Modulation of gravity waves by planetary waves (2 and 16 d): observations with the North American-Pacific MLT-MFR radar network. Journal of Atmospheric and Solar-Terrestrial Physics, 2003, 65, 85-104.	0.6	39
85	The angular distribution of radio waves partially reflected from the lower ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1978, 40, 35-47.	0.9	38
86	Zonal mean and tidal dynamics from space: an empirical examination of aliasing and sampling. Annales Geophysicae, 1997, 15, 1158-1164.	0.6	38
87	Airglow observations of dynamical (wind shear-induced) instabilities over Adelaide, Australia, associated with atmospheric gravity waves. Journal of Geophysical Research, 2001, 106, 28189-28197.	3.3	38
88	VHF radar observations of mesoscale motions in the troposphere: Evidence for gravity wave Doppler shifting. Radio Science, 1990, 25, 1019-1037.	0.8	37
89	Zonal mean winds in the equatorial mesosphere and lower thermosphere observed by the High Resolution Doppler Imager. Geophysical Research Letters, 1993, 20, 2849-2852.	1.5	37
90	A VHF boundary layer radar: First results. Radio Science, 1998, 33, 845-860.	0.8	36

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91	First polar mesosphere summer echoes observed at Davis, Antarctica (68.6Â°S). Geophysical Research Letters, 2004, 31, .	1.5	36
92	Tidal winds from the MLT global radar network during the first LTCS campaignâ€"September 1987. Journal of Atmospheric and Solar-Terrestrial Physics, 1990, 52, 175-183.	0.9	35
93	The response of superpressure balloons to gravity wave motions. Atmospheric Measurement Techniques, 2014, 7, 1043-1055.	1.2	35
94	Tidal Winds from the Mesosphere, Lower Thermosphere Global Radar Network during the second LTCS Campaign: December 1988. Journal of Geophysical Research, 1991, 96, 1117-1127.	3.3	34
95	Diurnal migrating tide as seen by the high-resolution Doppler imager/UARS: 1. Monthly mean global meridional winds. Journal of Geophysical Research, 1997, 102, 4405-4422.	3.3	34
96	Geostrophic wind fields in the stratosphere and mesosphere from satellite data. Journal of Geophysical Research, 2002, 107, CRI 3-1-CRI 3-18.	3.3	34
97	Comparison of HRDI wind measurements with radar and rocket observations. Geophysical Research Letters, 1993, 20, 1259-1262.	1.5	33
98	Semidiurnal tide in the 80â€"150 km region: an assimilative data analysis. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 1237-1249.	0.9	33
99	Coordinated radar observations of atmospheric diurnal tides in equatorial regions. Earth, Planets and Space, 1999, 51, 579-592.	0.9	33
100	Characteristics of the wind, temperature and PMSE field above Davis, Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 418-435.	0.6	33
101	Some direct comparisons of mesospheric winds observed at Kyoto and Adelaide. Journal of Atmospheric and Solar-Terrestrial Physics, 1982, 44, 267-280.	0.9	32
102	Intraseasonal oscillations of the zonal wind near the mesopause observed with medium-frequency and meteor radars in the tropics. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	32
103	Observations of the phaseâ€locked 2 day wave over the Australian sector using mediumâ€frequency radar and airglow data. Journal of Geophysical Research, 2010, 115, .	3.3	32
104	Mesospheric turbulent velocity estimation using the Buckland Park MF radar. Annales Geophysicae, 2001, 19, 1007-1017.	0.6	31
105	Polar mesosphere and lower thermosphere dynamics: 2. Response to sudden stratospheric warmings. Journal of Geophysical Research, 2007, 112, .	3.3	31
106	Short-period planetary waves in the Antarctic middle atmosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1336-1350.	0.6	31
107	Some Theoretical Considerations on Remote Probing of Weakly Scattering Irregularities. Australian Journal of Physics, 1973, 26, 805.	0.6	30
108	Observations of winds in the Antarctic summer mesosphere using the spaced antenna technique. Journal of Atmospheric and Solar-Terrestrial Physics, 1985, 47, 567-574.	0.9	30

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109	Gravity wave spectra, directions and wave interactions: Global MLT-MFR network. Earth, Planets and Space, 1999, 51, 543-562.	0.9	29
110	Long-period planetary waves in the mesosphere and lower thermosphere above Davis, Antarctica. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 2118-2138.	0.6	29
111	Imaging of atmospheric gravity waves in the stratosphere and upper mesosphere using satellite and groundâ€based observations over Australia during the TWPICE campaign. Journal of Geophysical Research, 2009, 114, .	3.3	29
112	Longâ€term variability of mean winds in the mesosphere and lower thermosphere at low latitudes. Journal of Geophysical Research, 2012, 117, .	3.3	29
113	Inter-annual variability of tides in the mesosphere and lower thermosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1989, 51, 555-567.	0.9	28
114	Wavelet analysis of stratospheric gravity wave packets over Macquarie Island: 2. Intermittency and mean-flow accelerations. Journal of Geophysical Research, 2001, 106, 10289-10297.	3.3	28
115	Raindrop Size Distribution Retrievals from a VHF Boundary Layer Profiler. Journal of Atmospheric and Oceanic Technology, 2004, 21, 45-60.	0.5	28
116	Source regions for Antarctic MLT nonâ€migrating semidiurnal tides. Geophysical Research Letters, 2009, 36, .	1.5	28
117	A measurement of lunar tides in the mesosphere at Adelaide, South Australia. Journal of Geophysical Research, 1989, 94, 10121-10129.	3.3	27
118	Lunar tidal winds at Adelaide and Saskatoon at 80 to 100 km heights: 1985-1990. Journal of Geophysical Research, 1994, 99, 13273.	3.3	27
119	Airglow imager observations of atmospheric gravity waves at Alice Springs and Adelaide, Australia during the Darwin Area Wave Experiment (DAWEX). Journal of Geophysical Research, 2004, 109, .	3.3	27
120	A case study of the mesospheric 6.5â€day wave observed by radar systems. Journal of Geophysical Research, 2008, 113, .	3.3	27
121	The effects of deionization processes on meteor radar diffusion coefficients below 90 km. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10027-10043.	1.2	27
122	A comparison between HF partial reflection profiles from the D-region and simultaneous Langmuir probe electron density measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 1982, 44, 843-854.	0.9	26
123	Spectra of gravity wave density and wind perturbations observed during ALOHAâ€90 on the 25 March flight between Maui and Christmas Island. Geophysical Research Letters, 1991, 18, 1325-1328.	1.5	26
124	Comparative observations of D region HF partial reflections at 2 and 6 MHz. Journal of Geophysical Research, 1982, 87, 7615-7624.	3.3	25
125	The 2-day wave during the boreal summer of 1994. Journal of Geophysical Research, 2004, 109, .	3.3	25
126	Gravity wave flux retrievals using meteor radars. Geophysical Research Letters, 2010, 37, .	1.5	25

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127	Ionospheric irregularities in the E-region. Journal of Atmospheric and Solar-Terrestrial Physics, 1972, 34, 1881-1898.	0.9	24
128	High-resolution radiosonde data offer new prospects for research. Eos, 1995, 76, 497-497.	0.1	24
129	The 4-day wave in the Antarctic mesosphere. Journal of Geophysical Research, 1995, 100, 18899.	3.3	23
130	Observations of a cut-off low over southern Australia. Quarterly Journal of the Royal Meteorological Society, 1998, 124, 1109-1132.	1.0	23
131	A study ofD-region irregularities. Journal of Atmospheric and Solar-Terrestrial Physics, 1970, 32, 1591-1607.	0.9	22
132	Tides and gravity waves in the mesosphere at mid- and low-altitudes. Journal of Atmospheric and Solar-Terrestrial Physics, 1977, 39, 965-970.	0.9	22
133	Estimates of momentum flux in the mesosphere and lower thermosphere over Adelaide, Australia, from March 1985 to February 1986. Journal of Geophysical Research, 1993, 98, 18617-18638.	3.3	22
134	Diurnal tide in the Antarctic and Arctic mesosphere/lower thermosphere regions. Journal of Atmospheric and Solar-Terrestrial Physics, 1995, 57, 383-393.	0.9	22
135	Trends of airglow imager observations near Adelaide, Australia. Geophysical Research Letters, 1997, 24, 587-590.	1.5	22
136	Differential absorption measurements of mesospheric and lower thermospheric electron densities using the Buckland Park MF radar. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 2029-2042.	0.6	22
137	Darwin Area Wave Experiment (DAWEX) field campaign to study gravity wave generation and propagation. Journal of Geophysical Research, 2004, 109, .	3.3	22
138	Studies of D-Region Drifts During the Winters of 1970?72. Australian Journal of Physics, 1973, 26, 645.	0.6	22
139	Dynamics of the antarctic and arctic mesosphere/lower thermosphere regions. Advances in Space Research, 1992, 12, 89-96.	1.2	21
140	The 16-day waves in the mesosphere and lower thermosphere over Wuhan (30.6Â°N, 114.5Â°E) and Adelaide (35Â°S, 138Â°E). Advances in Space Research, 2005, 35, 2005-2010.	1.2	21
141	A southern hemisphere survey of meteor shower radiants and associated stream orbits using single station radar observations. Monthly Notices of the Royal Astronomical Society, 2009, 398, 350-356.	1.6	21
142	A method for estimating the height of a mesospheric density level using meteor radar. Geophysical Research Letters, 2015, 42, 6106-6111.	1.5	21
143	Winter warmings, tides and planetary waves: comparisions between CMAM (with interactive) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	20
144	Turbulence, billows and gravity waves in a high shear region of the upper atmosphere. Planetary and Space Science, 1973, 21, 653-661.	0.9	19

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145	Comparative studies of scatterers observed by MF radars in tbe southern hemisphere mesosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 1994, 56, 581-591.	0.9	19
146	Equatorial dynamics observed by rocket, radar, and satellite during the CADRE/MALTED campaign: 2. Mean and wave structures, coherence, and variability. Journal of Geophysical Research, 1997, 102, 26191-26216.	3.3	19
147	First year of Rayleigh lidar measurements of middle atmosphere temperatures above davis, Antarctica. Advances in Space Research, 2003, 32, 771-776.	1.2	19
148	Intradiurnal wind variations in the midlatitude and high-latitude mesosphere and lower thermosphere. Journal of Geophysical Research, 2003, 108, .	3.3	19
149	Falling Sphere Observations of Anisotropic Gravity Wave Motions in the Upper Stratosphere over Australia. , 1989, , 509-532.		19
150	Structure of partially reflecting regions in the lower ionosphere. Journal of Geophysical Research, 1970, 75, 6387-6389.	3.3	18
151	All-sky interferometric meteor radar meteoroid speed estimation using the Fresnel transform. Annales Geophysicae, 2007, 25, 385-398.	0.6	18
152	Long-term tendencies in the MLT prevailing winds and tides over Antarctica as observed by radars at Molodezhnaya, Mawson and Davis. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 21-32.	0.6	18
153	Relationship Between the Partial Reflection of Radio Waves from the Lower Ionosphere and Irregularities as Measured by Rocket Probes. Radio Science, 1969, 4, 955-958.	0.8	17
154	Lunar tides in the mesosphere over Christmas Island (2Â°N, 203Â°E). Journal of Geophysical Research, 1997, 102, 26239-26245.	3.3	17
155	Dual lidar observations of mesoscale fluctuations of ozone and horizontal winds. Geophysical Research Letters, 1997, 24, 1627-1630.	1.5	17
156	Comparison of mesospheric and lower thermospheric residual wind with High Resolution Doppler Imager, medium frequency, and meteor radar winds. Journal of Geophysical Research, 2000, 105, 27023-27035.	3.3	17
157	VHF profiler observations of winds and waves in the troposphere during the Darwin Area Wave Experiment (DAWEX). Journal of Geophysical Research, 2004, 109, .	3.3	17
158	Meteor observations using the Davis mesosphere-stratosphere-troposphere radar. Journal of Geophysical Research, 2006, 111, .	3.3	17
159	Interhemispheric dynamical coupling to the southern mesosphere and lower thermosphere. Journal of Geophysical Research, 2012, 117, .	3.3	17
160	Gravity wave generation by convection and momentum deposition in the mesosphereâ€lower thermosphere. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6233-6245.	1.2	17
161	Comparison of the mesospheric gravity waves observed with the MU Radar (35Â°N) and the Adelaide MF Radar (35Â°S). Geophysical Research Letters, 1993, 20, 803-806.	1.5	16
162	Coordinated global radar observations of tidal and planetary waves in the mesosphere and lower thermosphere during January 20-30, 1993. Journal of Geophysical Research, 1997, 102, 7307-7318.	3.3	16

#	Article	IF	Citations
163	Comparison of radar and in situ measurements of atmospheric turbulence. Journal of Geophysical Research, 2004, 109, .	3.3	16
164	Mesospheric momentum fluxes over Adelaide during the 2-day wave: Results and interpretation. Journal of Geophysical Research, 1998, 103, 28627-28636.	3.3	15
165	Collision frequencies in the D-region. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 2043-2054.	0.6	15
166	Radar observations of the diurnal tide in the tropical mesosphere-lower thermosphere region: Longitudinal variabilities. Earth, Planets and Space, 2009, 61, 513-524.	0.9	15
167	Mesospheric radar wind comparisons at high and middle southern latitudes. Earth, Planets and Space, 2018, 70, .	0.9	15
168	A criterion for the use of the multilayer approximation in the study of acoustic-gravity wave propagation. Journal of Geophysical Research, 1969, 74, 2996-3001.	3.3	14
169	The influence of geomagnetic activity on the upper mesosphere lower thermosphere in the auroral zone. II. Horizontal winds. Journal of Atmospheric and Solar-Terrestrial Physics, 1991, 53, 923-947.	0.9	14
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