

# David C Fritts

## List of Publications by Year in Descending Order

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

123  
papers

8,766  
citations

47  
h-index

92  
g-index

130  
ext. papers

9,551  
ext. citations

3.4  
avg, IF

6.07  
L-index

#	Paper	IF	Citations
123	Modeling Responses of Polar Mesospheric Clouds to Gravity Wave and Instability Dynamics and Induced Large-Scale Motions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034643	4.4	3
122	Kelvin-Helmholtz Billow Interactions and Instabilities in the Mesosphere Over the Andes Lidar Observatory: 2. Modeling and Interpretation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033412	4.4	4
121	Numerical simulation of mountain waves over the southern Andes, Part 2: Momentum fluxes and wave/mean-flow interactions. <i>Journals of the Atmospheric Sciences</i> , <b>2021</b> ,	2.1	1
120	Self-Acceleration and Instability of Gravity Wave Packets: 2. Two-Dimensional Packet Propagation, Instability Dynamics, and Transient Flow Responses. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD030691	4.4	11
119	Numerical Simulation of Mountain Waves over the Southern Andes. Part I: Mountain Wave and Secondary Wave Character, Evolutions, and Breaking. <i>Journals of the Atmospheric Sciences</i> , <b>2020</b> , 77, 4337-4356	2.1	5
118	Self-Acceleration and Instability of Gravity Wave Packets: 3. Three-Dimensional Packet Propagation, Secondary Gravity Waves, Momentum Transport, and Transient Mean Forcing in Tidal Winds. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD030692	4.4	10
117	Mesospheric Bore Evolution and Instability Dynamics Observed in PMC Turbo Imaging and Rayleigh Lidar Profiling Over Northeastern Canada on 13 July 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD032037	4.4	7
116	PMC Turbo: Studying Gravity Wave and Instability Dynamics in the Summer Mesosphere Using Polar Mesospheric Cloud Imaging and Profiling From a Stratospheric Balloon. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6423-6443	4.4	17
115	Stratospheric Gravity Wave Products from Satellite Infrared Nadir Radiances in the Planning, Execution, and Validation of Aircraft Measurements during DEEPWAVE. <i>Journal of Applied Meteorology and Climatology</i> , <b>2019</b> , 58, 2049-2075	2.7	5
114	Large-Amplitude Mountain Waves in the Mesosphere Observed on 21 June 2014 During DEEPWAVE: 1. Wave Development, Scales, Momentum Fluxes, and Environmental Sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10364-10384	4.4	11
113	Large-Amplitude Mountain Waves in the Mesosphere Observed on 21 June 2014 During DEEPWAVE: 2. Nonlinear Dynamics, Wave Breaking, and Instabilities. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10006-10032	4.4	12
112	Direct Numerical Simulation Guidance for Thorpe Analysis to Obtain Quantitatively Reliable Turbulence Parameters. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2019</b> , 36, 2247-2255	2	0
111	Fine Structure, Instabilities, and Turbulence in the Lower Atmosphere: High-Resolution In Situ Slant-Path Measurements with the DataHawk UAV and Comparisons with Numerical Modeling. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2018</b> , 35, 619-642	2	11
110	Gravity Wave Dynamics in a Mesospheric Inversion Layer: 2. Instabilities, Turbulence, Fluxes, and Mixing. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 649-670	4.4	12
109	Large-Amplitude Mountain Waves in the Mesosphere Accompanying Weak Cross-Mountain Flow During DEEPWAVE Research Flight RF22. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9992	4.4	21
108	Momentum Flux Spectra of a Mountain Wave Event Over New Zealand. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9980-9991	4.4	8
107	Gravity Wave Dynamics in a Mesospheric Inversion Layer: 1. Reflection, Trapping, and Instability Dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 626-648	4.4	17

106	Observations of Reduced Turbulence and Wave Activity in the Arctic Middle Atmosphere Following the January 2015 Sudden Stratospheric Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 13259-13276	4.4	7
105	Secondary gravity wave generation over New Zealand during the DEEPWAVE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 7834-7850	4.4	35
104	Does Strong Tropospheric Forcing Cause Large-Amplitude Mesospheric Gravity Waves? A DEEPWAVE Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11,422	4.4	23
103	High-resolution observations and modeling of turbulence sources, structures, and intensities in the upper mesosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2017</b> , 162, 57-78	2	26
102	The Deep Propagating Gravity Wave Experiment (DEEPWAVE): An Airborne and Ground-Based Exploration of Gravity Wave Propagation and Effects from Their Sources throughout the Lower and Middle Atmosphere. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 425-453	6.1	121
101	Stratospheric Gravity Wave Fluxes and Scales during DEEPWAVE. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 2851-2869	2.1	40
100	Numerical Modeling of Multiscale Dynamics at a High Reynolds Number: Instabilities, Turbulence, and an Assessment of Ozmidov and Thorpe Scales. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 555-578 <sup>1</sup>	2.1	33
99	Dynamics of Orographic Gravity Waves Observed in the Mesosphere over the Auckland Islands during the Deep Propagating Gravity Wave Experiment (DEEPWAVE). <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 3855-3876	2.1	33
98	Self-acceleration and instability of gravity wave packets: 1. Effects of temporal localization. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 8783-8803	4.4	31
97	Influences of source conditions on mountain wave penetration into the stratosphere and mesosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9488-9494	4.9	43
96	Momentum flux estimates accompanying multiscale gravity waves over Mount Cook, New Zealand, on 13 July 2014 during the DEEPWAVE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 9323-9337	4.4	40
95	Quantifying gravity wave momentum fluxes with Mesosphere Temperature Mappers and correlative instrumentation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 13,583-13,603	4.4	33
94	Quantifying Kelvin-Helmholtz instability dynamics observed in noctilucent clouds: 1. Methods and observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9324-9337	4.4	41
93	Quantifying Kelvin-Helmholtz instability dynamics observed in noctilucent clouds: 2. Modeling and interpretation of observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9359-9375	4.4	23
92	Investigation of a mesospheric gravity wave ducting event using coordinated sodium lidar and Mesospheric Temperature Mapper measurements at ALOMAR, Norway (69°N). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 9765-9778	4.4	18
91	Modeling the implications of Kelvin-Helmholtz instability dynamics for airglow observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 8858-8871	4.4	15
90	Gravity Wave-Fine Structure Interactions. Part I: Influences of Fine Structure Form and Orientation on Flow Evolution and Instability. <i>Journals of the Atmospheric Sciences</i> , <b>2013</b> , 70, 3710-3734	2.1	37
89	Gravity Wave-Fine Structure Interactions. Part II: Energy Dissipation Evolutions, Statistics, and Implications. <i>Journals of the Atmospheric Sciences</i> , <b>2013</b> , 70, 3735-3755	2.1	16

88	Computation of clear-air radar backscatter from numerical simulations of turbulence: 3. Off-zenith measurements and biases throughout the lifecycle of a Kelvin-Helmholtz instability. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		22
87	Numerical simulation of gravity wave breaking in the lower thermosphere. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		29
86	Computation of clear-air radar backscatter from numerical simulations of turbulence: 2. Backscatter moments throughout the lifecycle of a Kelvin-Helmholtz instability. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		21
85	Gravity Wave Influences in the Thermosphere and Ionosphere: Observations and Recent Modeling <b>2011</b> , 109-130		39
84	Atmospheric Turbulence Forecasts for Air Force and Missile Defense Applications <b>2010</b> ,		2
83	High-resolution numerical studies of stable boundary layer flows in a closed basin: Evolution of steady and oscillatory flows in an axisymmetric Arizona Meteor Crater. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		18
82	Gravity Wave Instability Dynamics at High Reynolds Numbers. Part I: Wave Field Evolution at Large Amplitudes and High Frequencies. <i>Journals of the Atmospheric Sciences</i> , <b>2009</b> , 66, 1126-1148	2.1	87
81	Gravity Wave Instability Dynamics at High Reynolds Numbers. Part II: Turbulence Evolution, Structure, and Anisotropy. <i>Journals of the Atmospheric Sciences</i> , <b>2009</b> , 66, 1149-1171	2.1	75
80	Gravity wave fine structure interactions: A reservoir of small-scale and large-scale turbulence energy. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	30
79	Dual-beam measurements of gravity waves over Arecibo: Reevaluation of wave structure, dynamics, and momentum fluxes. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		9
78	Gravity wave momentum flux in the upper mesosphere derived from OH airglow imaging measurements. <i>Earth, Planets and Space</i> , <b>2007</b> , 59, 421-428	2.9	24
77	Influence of solar variability on gravity wave structure and dissipation in the thermosphere from tropospheric convection. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		80
76	Gravity waves and momentum fluxes in the mesosphere and lower thermosphere using 430 MHz dual-beam measurements at Arecibo: 1. Measurements, methods, and gravity waves. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		19
75	Mean and variable forcing of the middle atmosphere by gravity waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2006</b> , 68, 247-265	2	118
74	Thermospheric responses to gravity waves arising from mesoscale convective complexes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2004</b> , 66, 781-804	2	87
73	Mechanism for the Generation of Secondary Waves in Wave Breaking Regions. <i>Journals of the Atmospheric Sciences</i> , <b>2003</b> , 60, 194-214	2.1	131
72	Analysis of Ducted Motions in the Stable Nocturnal Boundary Layer during CASES-99. <i>Journals of the Atmospheric Sciences</i> , <b>2003</b> , 60, 2450-2472	2.1	45
71	Gravity wave dynamics and effects in the middle atmosphere. <i>Reviews of Geophysics</i> , <b>2003</b> , 41,	23.1	1562

70	Layering accompanying turbulence generation due to shear instability and gravity-wave breaking. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		76
69	Medium-frequency radar studies of gravity-wave seasonal variations over Hawaii (22°N, 160°W). <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		21
68	CASES-99: A Comprehensive Investigation of the Stable Nocturnal Boundary Layer. <i>Bulletin of the American Meteorological Society</i> , <b>2002</b> , 83, 555-581	6.1	359
67	The importance of spatial variability in the generation of secondary gravity waves from local body forces. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 45-1-45-4	4.9	43
66	An estimate of strong local body forcing and gravity wave radiation based on OH airglow and meteor radar observations. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 71-1-71-4	4.9	59
65	Gravity Wave Radiation and Mean Responses to Local Body Forces in the Atmosphere. <i>Journals of the Atmospheric Sciences</i> , <b>2001</b> , 58, 2249-2279	2.1	84
64	Turbulence statistics of a Kelvin-Helmholtz billow event observed in the night-time boundary layer during the Cooperative Atmosphere-Surface Exchange Study field program. <i>Dynamics of Atmospheres and Oceans</i> , <b>2001</b> , 34, 189-204	1.9	89
63	Turbulence Dynamics and Mixing Due to Gravity Waves in the Lower and Middle Atmosphere. <i>Geophysical Monograph Series</i> , <b>2000</b> , 143-159	1.1	10
62	Two-day wave structure and mean flow interactions observed by radar and High Resolution Doppler Imager. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 3953-3969		42
61	Stratified shear turbulence: Evolution and statistics. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 439-442	4.9	102
60	The vorticity dynamics of instability and turbulence in a breaking internal gravity wave. <i>Earth, Planets and Space</i> , <b>1999</b> , 51, 457-473	2.9	6
59	Gravity wave spectra, directions and wave interactions: Global MLT-MFR network. <i>Earth, Planets and Space</i> , <b>1999</b> , 51, 543-562	2.9	25
58	Kelvin twist waves in the transition to turbulence. <i>European Journal of Mechanics, B/Fluids</i> , <b>1998</b> , 17, 595-604	2.4	10
57	Vorticity dynamics in a breaking internal gravity wave. Part 2. Vortex interactions and transition to turbulence. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 367, 47-65	3.7	71
56	Vorticity dynamics in a breaking internal gravity wave. Part 1. Initial instability evolution. <i>Journal of Fluid Mechanics</i> , <b>1998</b> , 367, 27-46	3.7	98
55	The initial value problem for Kelvin vortex waves. <i>Journal of Fluid Mechanics</i> , <b>1997</b> , 344, 181-212	3.7	33
54	Observational evidence of wave ducting and evanescence in the mesosphere. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 26301-26313		95
53	Wave breaking signatures in sodium densities and OH nightglow: 2. Simulation of wave and instability structures. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 6669-6684		54

52	Radar observations of gravity waves over Jicamarca, Peru, during the CADRE campaign. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 26263-26281		25
51	Equatorial dynamics observed by rocket, radar, and satellite during the CADRE/MALTED campaign: 2. Mean and wave structures, coherence, and variability. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 26191-26216		16
50	Gravity Wave Variability and Interaction with Lower-Frequency Motions in the Mesosphere and Lower Thermosphere over Hawaii. <i>Journals of the Atmospheric Sciences</i> , <b>1996</b> , 53, 37-48	2.1	41
49	Wave Breaking and Transition to Turbulence in Stratified Shear Flows. <i>Journals of the Atmospheric Sciences</i> , <b>1996</b> , 53, 1057-1085	2.1	75
48	Evolution and Breakdown of Kelvin-Helmholtz Billows in Stratified Compressible Flows. Part I: Comparison of Two- and Three-Dimensional Flows. <i>Journals of the Atmospheric Sciences</i> , <b>1996</b> , 53, 3173-3191	2.1	78
47	Evolution and Breakdown of Kelvin-Helmholtz Billows in Stratified Compressible Flows. Part II: Instability Structure, Evolution, and Energetics. <i>Journals of the Atmospheric Sciences</i> , <b>1996</b> , 53, 3192-3212 <sup>1</sup>	2.1	45
46	Dynamical and radiative forcing of the summer mesopause circulation and thermal structure: 2. Seasonal variations. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 3129		17
45	Dynamical and radiative forcing of the summer mesopause circulation and thermal structure: 1. Mean solstice conditions. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 3119		36
44	High-resolution measurements of vertical velocity with the European incoherent scatter VHF radar: 2. Spectral observations and model comparisons. <i>Journal of Geophysical Research</i> , <b>1995</b> , 100, 16827		15
43	Gravity wave breaking in two and three dimensions: 1. Model description and comparison of two-dimensional evolutions. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 8095		84
42	Gravity wave breaking in two and three dimensions: 2. Three-dimensional evolution and instability structure. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 8109		109
41	Three-dimensional evolution of Kelvin-Helmholtz billows in stratified compressible flow. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 2287-2290	4.9	23
40	Wave breaking signatures in noctilucent clouds. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 2039-2042	4.9	86
39	Spectral Estimates of Gravity Wave Energy and Momentum Fluxes. Part I: Energy Dissipation, Acceleration, and Constraints. <i>Journals of the Atmospheric Sciences</i> , <b>1993</b> , 50, 3685-3694	2.1	157
38	Gravity-Wave Excitation by Geostrophic Adjustment of the Jet Stream. Part II: Three-Dimensional Forcing. <i>Journals of the Atmospheric Sciences</i> , <b>1993</b> , 50, 104-115	2.1	46
37	Gravity Wave Sources, Source Variability and Lower and Middle Atmosphere Effects <b>1993</b> , 191-208		5
36	Spectral Estimates of Gravity Wave Energy and Momentum Fluxes <b>1993</b> , 261-290		
35	Dynamics of the Equatorial Mesosphere Observed Using the Jicamarca MST Radar during June and August 1987. <i>Journals of the Atmospheric Sciences</i> , <b>1992</b> , 49, 2353-2371	2.1	32



34	Sources of Mesoscale Variability of Gravity Waves. Part I: Topographic Excitation. <i>Journals of the Atmospheric Sciences</i> , <b>1992</b> , 49, 101-110	2.1	156
33	Gravity Wave Excitation by Geostrophic Adjustment of the Jet Stream. Part I: Two-Dimensional Forcing. <i>Journals of the Atmospheric Sciences</i> , <b>1992</b> , 49, 681-697	2.1	95
32	Sources of Mesoscale Variability of Gravity Waves. Part II: Frontal, Convective, and Jet Stream Excitation. <i>Journals of the Atmospheric Sciences</i> , <b>1992</b> , 49, 111-127	2.1	198
31	Wave-wave interactions in a compressible atmosphere: 1. A general formulation including rotation and wind shear. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 9975-9988		18
30	Gravity Waves in the Middle Atmosphere of the Southern Hemisphere <b>1990</b> , 171-189		2
29	A review of gravity wave saturation processes, effects, and variability in the middle atmosphere. <i>Pure and Applied Geophysics</i> , <b>1989</b> , 130, 343-371	2.2	114
28	A theory of enhanced saturation of the gravity wave spectrum due to increases in atmospheric stability. <i>Pure and Applied Geophysics</i> , <b>1989</b> , 130, 399-420	2.2	144
27	An analysis of gravity wave ducting in the atmosphere: Eckart's resonances in thermal and Doppler ducts. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 18455		53
26	Stability Analysis of Inertio-Gravity Wave Structure in the Middle Atmosphere. <i>Journals of the Atmospheric Sciences</i> , <b>1989</b> , 46, 1738-1745	2.1	27
25	Influence of a Mean Shear on the Dynamical Instability of an Inertio-Gravity Wave. <i>Journals of the Atmospheric Sciences</i> , <b>1989</b> , 46, 2562-2568	2.1	24
24	Measurement of Momentum Fluxes near the Summer Mesopause at Poker Flat, Alaska. <i>Journals of the Atmospheric Sciences</i> , <b>1989</b> , 46, 2569-2579	2.1	62
23	A Review of Gravity Wave Saturation Processes, Effects, and Variability in the Middle Atmosphere <b>1989</b> , 343-371		6
22	A Theory of Enhanced Saturation of the Gravity Wave Spectrum Due to Increases in Atmospheric Stability <b>1989</b> , 399-420		
21	Evidence of gravity wave saturation and local turbulence production in the summer mesosphere and lower thermosphere during the STATE experiment. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 7015-7025		84
20	Observational Evidence of a Saturated Gravity Wave Spectrum in the Troposphere and Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , <b>1988</b> , 45, 1741-1759	2.1	141
19	Gravity Wave 1-leaf Fluxes: A Lagrangian Approach. <i>Journals of the Atmospheric Sciences</i> , <b>1988</b> , 45, 1770-1780		47
18	Evidence for a Saturated Spectrum of Atmospheric Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , <b>1987</b> , 44, 1404-1410	2.1	402
17	Mesospheric Momentum Flux Studies at Adelaide, Australia: Observations and a Gravity Wave-Tidal Interaction Model. <i>Journals of the Atmospheric Sciences</i> , <b>1987</b> , 44, 605-619	2.1	326

16	A Climatology of Gravity Wave Motions in the Mesopause Region at Adelaide, Australia. <i>Journals of the Atmospheric Sciences</i> , <b>1987</b> , 44, 748-760	2.1	195
15	An Investigation of the Vertical Wavenumber and Frequency Spectra of Gravity Wave Motions in the Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , <b>1987</b> , 44, 3610-3624	2.1	72
14	Effects of Doppler shifting on the frequency spectra of atmospheric gravity waves. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 9723		81
13	Recent Progress in Gravity Wave Saturation Studies <b>1987</b> , 31-46		1
12	Fluxes of Heat and Constituents Due to Convectively Unstable Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , <b>1985</b> , 42, 549-556	2.1	107
11	A Numerical Study of Gravity Wave Saturation: Nonlinear and Multiple Wave Effects. <i>Journals of the Atmospheric Sciences</i> , <b>1985</b> , 42, 2043-2058	2.1	26
10	Convective and dynamical instabilities due to gravity wave motions in the lower and middle atmosphere: Theory and observations. <i>Radio Science</i> , <b>1985</b> , 20, 1247-1277	1.4	245
9	Comparison of mesospheric wind spectra with a gravity wave model. <i>Radio Science</i> , <b>1985</b> , 20, 1331-1338	1.4	52
8	Shear Excitation of Atmospheric Gravity Waves. Part II: Nonlinear Radiation from a Free Shear Layer. <i>Journals of the Atmospheric Sciences</i> , <b>1984</b> , 41, 524-537	2.1	64
7	Gravity wave saturation in the middle atmosphere: A review of theory and observations. <i>Reviews of Geophysics</i> , <b>1984</b> , 22, 275	23.1	465
6	Transient Gravity Wave-Critical Layer Interaction. Part I: Convective Adjustment and the Mean Zonal Acceleration. <i>Journals of the Atmospheric Sciences</i> , <b>1984</b> , 41, 992-1007	2.1	29
5	A Quasi-Linear Study of Gravity-Wave Saturation and Self-Acceleration. <i>Journals of the Atmospheric Sciences</i> , <b>1984</b> , 41, 3272-3289	2.1	50
4	Shear Excitation of Atmospheric Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , <b>1982</b> , 39, 1936-1952	1	47
3	The transient critical-level interaction in a Boussinesq fluid. <i>Journal of Geophysical Research</i> , <b>1982</b> , 87, 7997		35
2	Simple Stability Limits for Vertically Propagating Unstable Modes in a tanh(z) Velocity Profile with a Rigid Lower Boundary. <i>Journals of the Atmospheric Sciences</i> , <b>1980</b> , 37, 1642-1648	2.1	8
1	Production of Turbulence in the Vicinity of Critical Levels for Internal Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , <b>1975</b> , 32, 2125-2135	2.1	51