Timothy Dunkerton

List of Publications by Year in Descending Order

34 papers	4,157 citations	25 h-index	34 g-index
34 ext. papers	4,518 ext. citations	4.5 avg, IF	5.22 L-index

#	Paper	IF	Citations
34	Summertime stationary waves integrate tropical and extratropical impacts on tropical cyclone activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 22720-22726	11.5	5
33	ENSO Modulation of the QBO: Results from MIROC Models with and without Nonorographic Gravity Wave Parameterization. *Journals of the Atmospheric Sciences*, **2019**, 76, 3893-3917	2.1	6
32	Sphere-Filling Asymptotics of the Barotropic Potential Vorticity Staircase. *Journals of the Atmospheric Sciences*, **2018**, 75, 497-511	2.1	
31	Vertical structure of tropospheric winds on gas giants. *Geophysical Research Letters*, **2017**, 44, 3073-3081	4.9	3
30	Nearly identical cycles of the quasi-biennial oscillation in the equatorial lower stratosphere. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 8467-8493	4.4	11
29	The quasi-biennial oscillation of 2015–2016: Hiccup or death spiral?. *Geophysical Research Letters*, **2016**, 43, 10,547	4.9	29
28	Extratropical Impacts on Atlantic Tropical Cyclone Activity. *Journals of the Atmospheric Sciences*, **2016**, 73, 1401-1418	2.1	35
27	The Roles of Equatorial Trapped Waves and Internal Inertia–Gravity Waves in Driving the Quasi-Biennial Oscillation. Part I: Zonal Mean Wave Forcing. *Journals of the Atmospheric Sciences*, **2010**, 67, 963-980	2.1	110
26	The Roles of Equatorial Trapped Waves and Internal Inertia–Gravity Waves in Driving the Quasi-Biennial Oscillation. Part II: Three-Dimensional Distribution of Wave Forcing. *Journals of the Atmospheric Sciences*, **2010**, 67, 981-997	2.1	36
25	Tropical tropopause layer. *Reviews of Geophysics*, **2009**, 47,	23.1	701
24	A Barotropic Model of the Angular Momentum–Conserving Potential Vorticity Staircase in Spherical Geometry. *Journals of the Atmospheric Sciences*, **2008**, 65, 1105-1136	2.1	42
23	Quasi-Biennial and Subbiennial Variations of Stratospheric Trace Constituents Derived from HALOE Observations. *Journals of the Atmospheric Sciences*, **2001**, 58, 7-25	2.1	57
22	The quasi-biennial oscillation. *Reviews of Geophysics*, **2001**, 39, 179-229	23.1	1337
21	Midwinter Deceleration of the Subtropical Mesospheric Jet and Interannual Variability of the High-Latitude Flow in UKMO Analyses. *Journals of the Atmospheric Sciences*, **2000**, 57, 3838-3855	2.1	26
20	Inferences about QBO Dynamics from the Atmospheric "Tape Recorder" Effect. *Journals of the Atmospheric Sciences*, **2000**, 57, 230-246	2.1	7
19	A Spectral Parameterization of Mean-Flow Forcing due to Breaking Gravity Waves. *Journals of the Atmospheric Sciences*, **1999**, 56, 4167-4182	2.1	168
18	Vertical velocity, vertical diffusion, and dilution by midlatitude air in the tropical lower stratosphere. *Journal of Geophysical Research*, **1998**, 103, 8651-8666		122

17	Climatology of the semiannual oscillation of the tropical middle atmosphere. *Journal of Geophysical Research*, **1997**, 102, 26019-26032		199
16	The role of gravity waves in the quasi-biennial oscillation. *Journal of Geophysical Research*, **1997**, 102, 26053-26076		305
15	Interaction of the quasi-biennial oscillation and stratopause semiannual oscillation. *Journal of Geophysical Research*, **1997**, 102, 26107-26116		50
14	Estimates of momentum flux associated with equatorial Kelvin and gravity waves. *Journal of Geophysical Research*, **1997**, 102, 26247-26261		131
13	Mixing zone in the tropical stratosphere above 10 mb. *Geophysical Research Letters*, **1996**, 23, 2497-2500	4.9	13
12	Observation of 3–5-Day Meridional Wind Oscillations over the Tropical Pacific, 1973–1992: Horizontal Structure and Propagation. *Journals of the Atmospheric Sciences*, **1995**, 52, 1585-1601	2.1	73
11	Orthogonal Rotation of Spatial Patterns Derived from Singular Value Decomposition Analysis. *Journal of Climate*, **1995**, 8, 2631-2643	4.4	51
10	Observation of 3–5-Day Meridional Wind Oscillations over the Tropical Pacific, 1973–1992: Vertical Structure and Interannual Variability. *Journals of the Atmospheric Sciences*, **1993**, 50, 3292-3307	2.1	41
9	Nonlinear Propagation of Zonal Winds in an Atmosphere with Newtonian Cooling and Equatorial Wavedriving. *Journals of the Atmospheric Sciences*, **1991**, 48, 236-263	2.1	73
8	Intensity variation and coherence of 3–5 day equatorial waves. *Geophysical Research Letters*, **1991**, 18, 1469-1472	4.9	10
7	Annual Variation of Deseasonalized Mean Flow Acceleration in the Equatorial Lower Stratosphere. *Journal of the Meteorological Society of Japan*, **1990**, 68, 499-508	2.8	60
6	The Role of the Seasonal Cycle in the Quasi-biennial Oscillation Of Ozone. *Journals of the Atmospheric Sciences*, **1990**, 47, 2429-2452	2.1	72
5	Body force circulations in a compressible atmosphere: Key concepts. *Pure and Applied Geophysics*, **1989**, 130, 243-262	2.2	13
4	Seasonal Variation of the Semiannual Oscillation. *Journals of the Atmospheric Sciences*, **1988**, 45, 2772-2787	2.1	84
3	Evolution of potential vorticity in the winter stratosphere of January-February 1979. *Journal of Geophysical Research*, **1986**, 91, 1199		101
2	Climatology of the Equatorial Lower Stratosphere. *Journals of the Atmospheric Sciences*, **1985**, 42, 376-396	2.1	135
1	Wave Transience in a Compressible Atmosphere. Part I: Transient Internal Wave, Mean-Flow Interaction. *Journals of the Atmospheric Sciences*, **1981**, 38, 281-297	2.1	51