Timothy Dunkerton

List of Publications by Year
in descending order

34 papers	4,978 citations	236612 25 h-index	377514 34 g-index
34 all docs	34 docs citations	34 times ranked	3144 citing authors

#	Article	IF	Citations
1	The quasi-biennial oscillation. Reviews of Geophysics, 2001, 39, 179-229.	9.0	1,650
2	Tropical tropopause layer. Reviews of Geophysics, 2009, 47, .	9.0	827
3	The role of gravity waves in the quasi-biennial oscillation. Journal of Geophysical Research, 1997, 102, 26053-26076.	3.3	370
4	Climatology of the semiannual oscillation of the tropical middle atmosphere. Journal of Geophysical Research, 1997, 102, 26019-26032.	3.3	229
5	A Spectral Parameterization of Mean-Flow Forcing due to Breaking Gravity Waves. Journals of the Atmospheric Sciences, 1999, 56, 4167-4182.	0.6	195
6	Climatology of the Equatorial Lower Stratosphere. Journals of the Atmospheric Sciences, 1985, 42, 376-396.	0.6	157
7	Estimates of momentum flux associated with equatorial Kelvin and gravity waves. Journal of Geophysical Research, 1997, 102, 26247-26261.	3.3	153
8	The Roles of Equatorial Trapped Waves and Internal Inertiaâ€“Gravity Waves in Driving the Quasi-Biennial Oscillation. Part I: Zonal Mean Wave Forcing. Journals of the Atmospheric Sciences, 2010, 67, 963-980.	0.6	135
9	Vertical velocity, vertical diffusion, and dilution by midlatitude air in the tropical lower stratosphere. Journal of Geophysical Research, 1998, 103, 8651-8666.	3.3	133
10	Evolution of potential vorticity in the winter stratosphere of Januaryâ€February 1979. Journal of Geophysical Research, 1986, 91, 1199-1208.	3.3	112
11	Seasonal Variation of the Semiannual Oscillation. Journals of the Atmospheric Sciences, 1988, 45, 2772-2787.	0.6	98
12	Nonlinear Propagation of Zonal Winds in an Atmosphere with Newtonian Cooling and Equatorial Wavedriving. Journals of the Atmospheric Sciences, 1991, 48, 236-263.	0.6	86
13	Observation of 3â€“6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973â€“1992: Horizontal Structure and Propagation. Journals of the Atmospheric Sciences, 1995, 52, 1585-1601.	0.6	86
14	The Role of the Seasonal Cycle in the Quasi-biennial Oscillation Of Ozone. Journals of the Atmospheric Sciences, 1990, 47, 2429-2452.	0.6	79
15	Annual Variation of Deseasonalized Mean Flow Acceleration in the Equatorial Lower Stratosphere. Journal of the Meteorological Society of Japan, 1990, 68, 499-508.	0.7	69
16	Quasi-Biennial and Subbiennial Variations of Stratospheric Trace Constituents Derived from HALOE Observations. Journals of the Atmospheric Sciences, 2001, 58, 7-25.	0.6	66
17	Orthogonal Rotation of Spatial Patterns Derived from Singular Value Decomposition Analysis. Journal of Climate, 1995, 8, 2631-2643.	1.2	58
18	Interaction of the quasi-biennial oscillation and stratopause semiannual oscillation. Journal of Geophysical Research, 1997, 102, 26107-26116.	3.3	56

#	Article	IF	Citations
19	A Barotropic Model of the Angular Momentumâ€“Conserving Potential Vorticity Staircase in Spherical Geometry. Journals of the Atmospheric Sciences, 2008, 65, 1105-1136.	0.6	56
20	Wave Transience in a Compressible Atmosphere. Part I: Transient Internal Wave, Mean-Flow Interaction. Journals of the Atmospheric Sciences, 1981, 38, 281-297.	0.6	54
21	The Roles of Equatorial Trapped Waves and Internal Inertiaâ€“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.	0.6	52
22	Extratropical Impacts on Atlantic Tropical Cyclone Activity. Journals of the Atmospheric Sciences, 2016, 73, 1401-1418.	0.6	49
23	Observation of 3â€“6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973â€“1992: Vertical Structure and Interannual Variability. Journals of the Atmospheric Sciences, 1993, 50, 3292-3307.	0.6	46
24	The quasiâ€biennial oscillation of 2015â€“2016: Hiccup or death spiral?. Geophysical Research Letters, 2016, 43, 10,547.	1.5	34
25	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.	0.6	28
26	Mixing zone in the tropical stratosphere above 10 mb. Geophysical Research Letters, 1996, 23, 2497-2500.	1.5	18
27	Nearly identical cycles of the quasiâ€biennial oscillation in the equatorial lower stratosphere. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8467-8493.	1.2	17
28	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.	3.3	17
29	Body force circulations in a compressible atmosphere: Key concepts. Pure and Applied Geophysics, 1989, 130, 243-262.	0.8	13
30	Intensity variation and coherence of 3â€“6 day equatorial waves. Geophysical Research Letters, 1991, 18, 1469-1472.	1.5	11
31	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.	0.6	11
32	Inferences about QBO Dynamics from the Atmospheric â€œTape Recorderâ€•Effect. Journals of the Atmospheric Sciences, 2000, 57, 230-246.	0.6	8
33	Vertical structure of tropospheric winds on gas giants. Geophysical Research Letters, 2017, 44, 3073-3081.	1.5	4
34	Sphere-Filling Asymptotics of the Barotropic Potential Vorticity Staircase. Journals of the Atmospheric Sciences, 2018, 75, 497-511.	0.6	1