

# Timothy Dunkerton

## List of Publications by Year in descending order

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34  
papers

4,978  
citations

236925

25  
h-index

377865

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3144  
citing authors

#	ARTICLE	IF	CITATIONS
1	The quasi-biennial oscillation. <i>Reviews of Geophysics</i> , 2001, 39, 179-229.	23.0	1,650
2	Tropical tropopause layer. <i>Reviews of Geophysics</i> , 2009, 47, .	23.0	827
3	The role of gravity waves in the quasi-biennial oscillation. <i>Journal of Geophysical Research</i> , 1997, 102, 26053-26076.	3.3	370
4	Climatology of the semiannual oscillation of the tropical middle atmosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 26019-26032.	3.3	229
5	A Spectral Parameterization of Mean-Flow Forcing due to Breaking Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 4167-4182.	1.7	195
6	Climatology of the Equatorial Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 376-396.	1.7	157
7	Estimates of momentum flux associated with equatorial Kelvin and gravity waves. <i>Journal of Geophysical Research</i> , 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. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 963-980.	1.7	135
9	Vertical velocity, vertical diffusion, and dilution by midlatitude air in the tropical lower stratosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 8651-8666.	3.3	133
10	Evolution of potential vorticity in the winter stratosphere of Januaryâ€“February 1979. <i>Journal of Geophysical Research</i> , 1986, 91, 1199-1208.	3.3	112
11	Seasonal Variation of the Semiannual Oscillation. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 2772-2787.	1.7	98
12	Nonlinear Propagation of Zonal Winds in an Atmosphere with Newtonian Cooling and Equatorial Wavedriving. <i>Journals of the Atmospheric Sciences</i> , 1991, 48, 236-263.	1.7	86
13	Observation of 3â€“6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973â€“1992: Horizontal Structure and Propagation. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 1585-1601.	1.7	86
14	The Role of the Seasonal Cycle in the Quasi-biennial Oscillation Of Ozone. <i>Journals of the Atmospheric Sciences</i> , 1990, 47, 2429-2452.	1.7	79
15	Annual Variation of Deseasonalized Mean Flow Acceleration in the Equatorial Lower Stratosphere. <i>Journal of the Meteorological Society of Japan</i> , 1990, 68, 499-508.	1.8	69
16	Quasi-Biennial and Subbiennial Variations of Stratospheric Trace Constituents Derived from HALOE Observations. <i>Journals of the Atmospheric Sciences</i> , 2001, 58, 7-25.	1.7	66
17	Orthogonal Rotation of Spatial Patterns Derived from Singular Value Decomposition Analysis. <i>Journal of Climate</i> , 1995, 8, 2631-2643.	3.2	58
18	Interaction of the quasi-biennial oscillation and stratopause semiannual oscillation. <i>Journal of Geophysical Research</i> , 1997, 102, 26107-26116.	3.3	56

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19	A Barotropic Model of the Angular Momentumâ€“Conserving Potential Vorticity Staircase in Spherical Geometry. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 1105-1136.	1.7	56
20	Wave Transience in a Compressible Atmosphere. Part I: Transient Internal Wave, Mean-Flow Interaction. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 281-297.	1.7	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. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 981-997.	1.7	52
22	Extratropical Impacts on Atlantic Tropical Cyclone Activity. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1401-1418.	1.7	49
23	Observation of 3â€“6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973â€“1992: Vertical Structure and Interannual Variability. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 3292-3307.	1.7	46
24	The quasiâ€“biennial oscillation of 2015â€“2016: Hiccup or death spiral?. <i>Geophysical Research Letters</i> , 2016, 43, 10,547.	4.0	34
25	Midwinter Deceleration of the Subtropical Mesospheric Jet and Interannual Variability of the High-Latitude Flow in UKMO Analyses. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 3838-3855.	1.7	28
26	Mixing zone in the tropical stratosphere above 10 mb. <i>Geophysical Research Letters</i> , 1996, 23, 2497-2500.	4.0	18
27	Nearly identical cycles of the quasiâ€“biennial oscillation in the equatorial lower stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8467-8493.	3.3	17
28	Summertime stationary waves integrate tropical and extratropical impacts on tropical cyclone activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22720-22726.	7.1	17
29	Body force circulations in a compressible atmosphere: Key concepts. <i>Pure and Applied Geophysics</i> , 1989, 130, 243-262.	1.9	13
30	Intensity variation and coherence of 3â€“6 day equatorial waves. <i>Geophysical Research Letters</i> , 1991, 18, 1469-1472.	4.0	11
31	ENSO Modulation of the QBO: Results from MIROC Models with and without Nonorographic Gravity Wave Parameterization. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 3893-3917.	1.7	11
32	Inferences about QBO Dynamics from the Atmospheric â€œTape Recorderâ€•Effect. <i>Journals of the Atmospheric Sciences</i> , 2000, 57, 230-246.	1.7	8
33	Vertical structure of tropospheric winds on gas giants. <i>Geophysical Research Letters</i> , 2017, 44, 3073-3081.	4.0	4
34	Sphere-Filling Asymptotics of the Barotropic Potential Vorticity Staircase. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 497-511.	1.7	1