

# 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  | 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.                       | 7.1  | 17        |
| 2  | 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.  | 1.7  | 11        |
| 3  | Sphere-Filling Asymptotics of the Barotropic Potential Vorticity Staircase. Journals of the Atmospheric Sciences, 2018, 75, 497-511.  | 1.7  | 1         |
| 4  | Vertical structure of tropospheric winds on gas giants. Geophysical Research Letters, 2017, 44, 3073-3081.  | 4.0  | 4         |
| 5  | Nearly identical cycles of the quasi-biennial oscillation in the equatorial lower stratosphere. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8467-8493.   | 3.3  | 17        |
| 6  | The quasi-biennial oscillation of 2015-2016: Hiccup or death spiral?. Geophysical Research Letters, 2016, 43, 10,547.   | 4.0  | 34        |
| 7  | Extratropical Impacts on Atlantic Tropical Cyclone Activity. Journals of the Atmospheric Sciences, 2016, 73, 1401-1418.   | 1.7  | 49        |
| 8  | 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.                         | 1.7  | 135       |
| 9  | 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. | 1.7  | 52        |
| 10 | Tropical tropopause layer. Reviews of Geophysics, 2009, 47, .   | 23.0 | 827       |
| 11 | A Barotropic Model of the Angular Momentum-Conserving Potential Vorticity Staircase in Spherical Geometry. Journals of the Atmospheric Sciences, 2008, 65, 1105-1136.   | 1.7  | 56        |
| 12 | The quasi-biennial oscillation. Reviews of Geophysics, 2001, 39, 179-229.   | 23.0 | 1,650     |
| 13 | Quasi-Biennial and Subbiennial Variations of Stratospheric Trace Constituents Derived from HALOE Observations. Journals of the Atmospheric Sciences, 2001, 58, 7-25.  | 1.7  | 66        |
| 14 | 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.  | 1.7  | 28        |
| 15 | Inferences about QBO Dynamics from the Atmospheric "Tape Recorder" Effect. Journals of the Atmospheric Sciences, 2000, 57, 230-246.   | 1.7  | 8         |
| 16 | A Spectral Parameterization of Mean-Flow Forcing due to Breaking Gravity Waves. Journals of the Atmospheric Sciences, 1999, 56, 4167-4182.  | 1.7  | 195       |
| 17 | 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       |
| 18 | Climatology of the semiannual oscillation of the tropical middle atmosphere. Journal of Geophysical Research, 1997, 102, 26019-26032.   | 3.3  | 229       |

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|----|--|-----|-----------|
| 19 | The role of gravity waves in the quasi-biennial oscillation. <i>Journal of Geophysical Research</i> , 1997, 102, 26053-26076.  | 3.3 | 370       |
| 20 | Interaction of the quasi-biennial oscillation and stratopause semiannual oscillation. <i>Journal of Geophysical Research</i> , 1997, 102, 26107-26116.   | 3.3 | 56        |
| 21 | Estimates of momentum flux associated with equatorial Kelvin and gravity waves. <i>Journal of Geophysical Research</i> , 1997, 102, 26247-26261.   | 3.3 | 153       |
| 22 | Mixing zone in the tropical stratosphere above 10 mb. <i>Geophysical Research Letters</i> , 1996, 23, 2497-2500.   | 4.0 | 18        |
| 23 | Observation of 3-6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973-1992: Horizontal Structure and Propagation. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 1585-1601.           | 1.7 | 86        |
| 24 | Orthogonal Rotation of Spatial Patterns Derived from Singular Value Decomposition Analysis. <i>Journal of Climate</i> , 1995, 8, 2631-2643.  | 3.2 | 58        |
| 25 | Observation of 3-6-Day Meridional Wind Oscillations over the Tropical Pacific, 1973-1992: Vertical Structure and Interannual Variability. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 3292-3307. | 1.7 | 46        |
| 26 | Intensity variation and coherence of 3-6 day equatorial waves. <i>Geophysical Research Letters</i> , 1991, 18, 1469-1472.  | 4.0 | 11        |
| 27 | 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        |
| 28 | 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        |
| 29 | 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        |
| 30 | Body force circulations in a compressible atmosphere: Key concepts. <i>Pure and Applied Geophysics</i> , 1989, 130, 243-262.   | 1.9 | 13        |
| 31 | Seasonal Variation of the Semiannual Oscillation. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 2772-2787.   | 1.7 | 98        |
| 32 | Evolution of potential vorticity in the winter stratosphere of January-February 1979. <i>Journal of Geophysical Research</i> , 1986, 91, 1199-1208.  | 3.3 | 112       |
| 33 | Climatology of the Equatorial Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 1985, 42, 376-396.   | 1.7 | 157       |
| 34 | 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        |