

R Alan Plumb

List of Publications by Citations

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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.

14
papers

1,171
citations

10
h-index

15
g-index

15
ext. papers

1,246
ext. citations

4.9
avg, IF

4.56
L-index

#	Paper	IF	Citations
14	Age as a diagnostic of stratospheric transport. <i>Journal of Geophysical Research</i> , 1994 , 99, 1059		328
13	Interrelationships between mixing ratios of long-lived stratospheric constituents. <i>Journal of Geophysical Research</i> , 1992 , 97, 10145-10156		305
12	Stratospheric Transport. <i>Journal of the Meteorological Society of Japan</i> , 2002 , 80, 793-809	2.8	241
11	Age of air in a [leaky pipe] model of stratospheric transport. <i>Journal of Geophysical Research</i> , 1999 , 104, 19243-19255		104
10	Tracer interrelationships in the stratosphere. <i>Reviews of Geophysics</i> , 2007 , 45,	23.1	72
9	Horizontal mixing coefficients for two-dimensional chemical models calculated from National Meteorological Center data. <i>Journal of Geophysical Research</i> , 1986 , 91, 7919-7924		33
8	Seasonal Variability of the Polar Stratospheric Vortex in an Idealized AGCM with Varying Tropospheric Wave Forcing. <i>Journals of the Atmospheric Sciences</i> , 2015 , 72, 2248-2266	2.1	29
7	The Relationship between Age of Air and the Diabatic Circulation of the Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 2016 , 73, 4507-4518	2.1	19
6	Propagating Annular Modes: Empirical Orthogonal Functions, Principal Oscillation Patterns, and Time Scales. <i>Journals of the Atmospheric Sciences</i> , 2017 , 74, 1345-1361	2.1	14
5	Sudden Stratospheric Warming Formation in an Idealized General Circulation Model Using Three Types of Tropospheric Forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,125	4.4	14
4	Effective Diffusivity in Baroclinic Flow. <i>Journals of the Atmospheric Sciences</i> , 2014 , 71, 972-984	2.1	6
3	Stratospheric adiabatic mixing rates derived from the vertical gradient of age of air. <i>Journal of Geophysical Research D: Atmospheres</i> ,	4.4	3
2	Numerical impacts on tracer transport: Diagnosing the influence of dynamical core formulation and resolution on stratospheric transport. <i>Journals of the Atmospheric Sciences</i> , 2021 ,	2.1	2
1	Frequency-Dependent Behavior of Zonal Jet Variability. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086585	4.9	19