

# R Alan Plumb

## List of Publications by Year in Descending Order

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