

R Alan Plumb

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,334
citations

933410

10
h-index

1058452

14
g-index

15
all docs

15
docs citations

15
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Age as a diagnostic of stratospheric transport. <i>Journal of Geophysical Research</i> , 1994, 99, 1059.	3.3	364
2	Interrelationships between mixing ratios of long-lived stratospheric constituents. <i>Journal of Geophysical Research</i> , 1992, 97, 10145-10156.	3.3	343
3	Stratospheric Transport. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 793-809.	1.8	276
4	Age of air in a "leaky pipe" model of stratospheric transport. <i>Journal of Geophysical Research</i> , 1999, 104, 19243-19255.	3.3	110
5	Tracer interrelationships in the stratosphere. <i>Reviews of Geophysics</i> , 2007, 45, .	23.0	86
6	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.	1.7	37
7	Horizontal mixing coefficients for two-dimensional chemical models calculated from National Meteorological Center data. <i>Journal of Geophysical Research</i> , 1986, 91, 7919-7924.	3.3	34
8	Propagating Annular Modes: Empirical Orthogonal Functions, Principal Oscillation Patterns, and Time Scales. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 1345-1361.	1.7	28
9	The Relationship between Age of Air and the Diabatic Circulation of the Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4507-4518.	1.7	23
10	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.	3.3	17
11	Effective Diffusivity in Baroclinic Flow. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 972-984.	1.7	7
12	Frequency-Dependent Behavior of Zonal Jet Variability. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086585.	4.0	3
13	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, , .	1.7	3
14	Stratospheric Adiabatic Mixing Rates Derived From the Vertical Gradient of Age of Air. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	3