

Peter Hitchcock

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,477
citations

279798

23
h-index

330143

37
g-index

55
all docs

55
docs citations

55
times ranked

957
citing authors

#	ARTICLE	IF	CITATIONS
1	The Downward Influence of Stratospheric Sudden Warmings*. Journals of the Atmospheric Sciences, 2014, 71, 3856-3876.	1.7	185
2	The Role of the Stratosphere in Subseasonal to Seasonal Prediction: 2. Predictability Arising From Stratosphere-Troposphere Coupling. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030923.	3.3	119
3	Predictability of downward propagation of major sudden stratospheric warmings. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1459-1470.	2.7	118
4	Statistical Characterization of Arctic Polar-Night Jet Oscillation Events. Journal of Climate, 2013, 26, 2096-2116.	3.2	93
5	The Role of the Stratosphere in Subseasonal to Seasonal Prediction: 1. Predictability of the Stratosphere. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030920.	3.3	78
6	Do split and displacement sudden stratospheric warmings have different annular mode signatures?. Geophysical Research Letters, 2015, 42, 10,943.	4.0	69
7	Sensitivity of Sudden Stratospheric Warmings to Previous Stratospheric Conditions. Journals of the Atmospheric Sciences, 2017, 74, 2857-2877.	1.7	62
8	Zonal-Mean Dynamics of Extended Recoveries from Stratospheric Sudden Warmings. Journals of the Atmospheric Sciences, 2013, 70, 688-707.	1.7	52
9	Stratospheric variability and tropospheric annular-mode timescales. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	50
10	Uncertainty in the Response of Sudden Stratospheric Warmings and Stratosphere-Troposphere Coupling to Quadrupled CO ₂ Concentrations in CMIP6 Models. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032345.	3.3	50
11	Stratospheric control of planetary waves. Geophysical Research Letters, 2016, 43, 11,884.	4.0	43
12	Southern Annular Mode Dynamics in Observations and Models. Part II: Eddy Feedbacks. Journal of Climate, 2013, 26, 5220-5241.	3.2	42
13	Sub-seasonal Predictability and the Stratosphere. , 2019, , 223-241.		41
14	Northern hemisphere cold air outbreaks are more likely to be severe during weak polar vortex conditions. Communications Earth & Environment, 2021, 2, .	6.8	37
15	The Downward Influence of Uncertainty in the Northern Hemisphere Stratospheric Polar Vortex Response to Climate Change. Journal of Climate, 2018, 31, 6371-6391.	3.2	35
16	On the Approximation of Local and Linear Radiative Damping in the Middle Atmosphere. Journals of the Atmospheric Sciences, 2010, 67, 2070-2085.	1.7	31
17	Changes in Stratospheric Transport and Mixing During Sudden Stratospheric Warmings. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3356-3373.	3.3	31
18	The Influence of the Stratosphere on the Tropical Troposphere. Journal of the Meteorological Society of Japan, 2021, 99, 803-845.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Lower-Stratospheric Radiative Damping and Polar-Night Jet Oscillation Events. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1391-1408.	1.7	30
20	Past and future conditions for polar stratospheric cloud formation simulated by the Canadian Middle Atmosphere Model. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 483-495.	4.9	27
21	Quantifying Eddy Feedbacks and Forcings in the Tropospheric Response to Stratospheric Sudden Warmings. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 3641-3657.	1.7	27
22	Southern Annular Mode Dynamics in Observations and Models. Part I: The Influence of Climatological Zonal Wind Biases in a Comprehensive GCM. <i>Journal of Climate</i> , 2013, 26, 3953-3967.	3.2	26
23	Response of Arctic ozone to sudden stratospheric warmings. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16499-16513.	4.9	26
24	The Generic Nature of the Tropospheric Response to Sudden Stratospheric Warmings. <i>Journal of Climate</i> , 2020, 33, 5589-5610.	3.2	26
25	The radiative role of ozone and water vapour in the annual temperature cycle in the tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5677-5701.	4.9	18
26	On the value of reanalyses prior to 1979 for dynamical studies of stratosphere-troposphere coupling. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2749-2764.	4.9	16
27	A Regime Perspective on the North Atlantic Eddy-Driven Jet Response to Sudden Stratospheric Warmings. <i>Journal of Climate</i> , 2020, 33, 3901-3917.	3.2	16
28	Changes in Hadley circulation and intertropical convergence zone under strategic stratospheric aerosol geoengineering. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	14
29	The Emergence of Shallow Easterly Jets within QBO Westerlies. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 21-40.	1.7	12
30	The Response of the Lower Stratosphere to Zonally Symmetric Thermal and Mechanical Forcing. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1903-1922.	1.7	11
31	The Double Peak in Upwelling and Heating in the Tropical Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1889-1901.	1.7	11
32	Zonally Symmetric Adjustment in the Presence of Artificial Relaxation. <i>Journals of the Atmospheric Sciences</i> , 2014, 71, 4349-4368.	1.7	9
33	Prescribing Zonally Asymmetric Ozone Climatologies in Climate Models: Performance Compared to a Chemistry-Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 918-933.	3.8	8
34	Understanding the Basin Asymmetry in Surface Response to Sudden Stratospheric Warmings from an Ocean-Atmosphere Coupled Perspective. <i>Journal of Climate</i> , 2021, 34, 8683-8698.	3.2	6
35	Stratospheric Influence on the Development of the 2018 Late Winter European Cold Air Outbreak. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	6
36	Stratospheric Nudging And Predictable Surface Impacts (SNAPSI): a protocol for investigating the role of stratospheric polar vortex disturbances in subseasonal to seasonal forecasts. <i>Geoscientific Model Development</i> , 2022, 15, 5073-5092.	3.6	6

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37	What Contributes to the Inter-Annual Variability in Tropical Lower Stratospheric Temperatures?. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
38	A simple model of ozone-temperature coupling in the tropical lower stratosphere. Atmospheric Chemistry and Physics, 2021, 21, 18531-18542.	4.9	3
39	On the tropospheric response to transient stratospheric momentum torques. Journals of the Atmospheric Sciences, 2021, , .	1.7	1
40	Bimodality in ensemble forecasts of 2-m temperature: identification. Weather and Climate Dynamics, 2021, 2, 1209-1224.	3.5	1