Judith Perlwitz

List of Publications by Year in descending order

75 papers	9,131 citations	71102 41 h-index	76900 74 g-index
78 all docs	78 docs citations	78 times ranked	9323 citing authors

#	Article	IF	Citations
1	Long-range prediction and the stratosphere. Atmospheric Chemistry and Physics, 2022, 22, 2601-2623.	4.9	24
2	The Remarkably Strong Arctic Stratospheric Polar Vortex of Winter 2020: Links to Recordâ€Breaking Arctic Oscillation and Ozone Loss. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033271.	3.3	119
3	Attribution of NAO Predictive Skill Beyond 2ÂWeeks in Boreal Winter. Geophysical Research Letters, 2020, 47, e2020GL090451.	4.0	4
4	Facility for Weather and Climate Assessments (FACTS): A Community Resource for Assessing Weather and Climate Variability. Bulletin of the American Meteorological Society, 2020, 101, E1214-E1224.	3.3	24
5	Current and Emerging Developments in Subseasonal to Decadal Prediction. Bulletin of the American Meteorological Society, 2020, 101, E869-E896.	3.3	116
6	Lessons Learned from the 2017 Flash Drought across the U.S. Northern Great Plains and Canadian Prairies. Bulletin of the American Meteorological Society, 2020, 101, E2171-E2185.	3.3	28
7	Confirmation for and Predictability of Distinct U.S. Impacts of El NiÃ±o Flavors. Journal of Climate, 2020, 33, 5971-5991.	3.2	5
8	Towards Probabilistic Multivariate ENSO Monitoring. Geophysical Research Letters, 2019, 46, 10532-10540.	4.0	64
9	Towards operational predictions of the near-term climate. Nature Climate Change, 2019, 9, 94-101.	18.8	116
10	Experiment design of the International CLIVAR C20C+ Detection and Attribution project. Weather and Climate Extremes, 2019, 24, 100206.	4.1	43
11	Anthropogenic Contributions to the Intensity of the 2017 United States Northern Great Plains Drought. Bulletin of the American Meteorological Society, 2019, 100, S19-S24.	3.3	20
12	Extreme California Rains During Winter 2015/16: A Change in El NiÃ±o Teleconnection?. Bulletin of the American Meteorological Society, 2018, 99, S49-S53.	3.3	18
13	Effects of Greenhouse Gas Increase and Stratospheric Ozone Depletion on Stratospheric Mean Age of Air in 1960â€“2010. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2098-2110.	3.3	16
14	Drivers of 2016 record Arctic warmth assessed using climate simulations subjected to Factual and Counterfactual forcing. Weather and Climate Extremes, 2018, 19, 1-9.	4.1	18
15	Mechanisms Governing Interannual Variability of Stratosphereâ€toâ€Troposphere Ozone Transport. Journal of Geophysical Research D: Atmospheres, 2018, 123, 234-260.	3.3	25
16	Predictability and Prediction of Southern California Rains during Strong El NiÃ±o Events: A Focus on the Failed 2016 Winter Rains. Journal of Climate, 2018, 31, 555-574.	3.2	19
17	On the Time of Emergence of Tropical Width Change. Journal of Climate, 2018, 31, 7225-7236.	3.2	8
18	Impacts of Interactive Stratospheric Chemistry on Antarctic and Southern Ocean Climate Change in the Goddard Earth Observing System, Version 5 (GEOS-5). Journal of Climate, 2016, 29, 3199-3218.	3.2	36

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19	What caused the recent â€œWarm Arctic, Cold Continentsâ€•trend pattern in winter temperatures?. Geophysical Research Letters, 2016, 43, 5345-5352.	4.0	245
20	Forced Atmospheric Teleconnections during 1979â€“2014. Journal of Climate, 2016, 29, 2333-2357.	3.2	11
21	Does El NiÃ±o intensity matter for California precipitation?. Geophysical Research Letters, 2016, 43, 819-825.	4.0	98
22	Characterizing Recent Trends in U.S. Heavy Precipitation. Journal of Climate, 2016, 29, 2313-2332.	3.2	86
23	Arctic Tropospheric Warming: Causes and Linkages to Lower Latitudes. Journal of Climate, 2015, 28, 2154-2167.	3.2	126
24	The Making of an Extreme Event: Putting the Pieces Together. Bulletin of the American Meteorological Society, 2014, 95, 427-440.	3.3	44
25	On the Control of the Residual Circulation and Stratospheric Temperatures in the Arctic by Planetary Wave Coupling. Journals of the Atmospheric Sciences, 2014, 71, 195-206.	1.7	24
26	How Fast Are the Tropics Expanding?. Journal of Climate, 2014, 27, 1999-2013.	3.2	74
27	A model study of tropospheric impacts of the Arctic ozone depletion 2011. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7999-8014.	3.3	41
28	Troposphereâ€stratosphere coupling: Links to North Atlantic weather and climate, including their representation in CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5864-5880.	3.3	55
29	What is responsible for the strong observed asymmetry in teleconnections between El NiÃ±o and La NiÃ±a?. Geophysical Research Letters, 2014, 41, 1019-1025.	4.0	45
30	Identifying human influences on atmospheric temperature. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 26-33.	7.1	117
31	Anatomy of an Extreme Event. Journal of Climate, 2013, 26, 2811-2832.	3.2	243
32	Models versus radiosondes in the free atmosphere: A new detection and attribution analysis of temperature. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2609-2619.	3.3	27
33	The Life Cycle of Northern Hemisphere Downward Wave Coupling between the Stratosphere and Troposphere. Journal of Climate, 2013, 26, 1745-1763.	3.2	90
34	Longâ€term ozone changes and associated climate impacts in CMIP5 simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5029-5060.	3.3	243
35	Assessing and Understanding the Impact of Stratospheric Dynamics and Variability on the Earth System. Bulletin of the American Meteorological Society, 2012, 93, 845-859.	3.3	146
36	Comment on "Tropospheric temperature response to stratospheric ozone recovery in the 21st century" by Hu et al. (2011). Atmospheric Chemistry and Physics, 2012, 12, 2533-2540.	4.9	8

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37	A Multiscale Analysis of the Extreme Weather Events over Western Russia and Northern Pakistan during July 2010. Monthly Weather Review, 2012, 140, 1639-1664.	1.4	88
38	On the Increased Frequency of Mediterranean Drought. Journal of Climate, 2012, 25, 2146-2161.	3.2	533
39	Was there a basis for anticipating the 2010 Russian heat wave?. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	551
40	Multimodel climate and variability of the stratosphere. Journal of Geophysical Research, 2011, 116, .	3.3	139
41	Observed Decadal Changes in Downward Wave Coupling between the Stratosphere and Troposphere in the Southern Hemisphere. Journal of Climate, 2011, 24, 4558-4569.	3.2	13
42	The Impact of Stratospheric Ozone Changes on Downward Wave Coupling in the Southern Hemisphere*. Journal of Climate, 2011, 24, 4210-4229.	3.2	21
43	Tug of war on the jet stream. Nature Climate Change, 2011, 1, 29-31.	18.8	41
44	Physics of U.S. Surface Temperature Response to ENSO. Journal of Climate, 2011, 24, 4874-4887.	3.2	44
45	Opposite Annular Responses of the Northern and Southern Hemispheres to Indian Ocean Warming. Journal of Climate, 2010, 23, 3720-3738.	3.2	34
46	The Impact of Stratospheric Model Configuration on Planetary-Scale Waves in Northern Hemisphere Winter. Journal of Climate, 2010, 23, 3369-3389.	3.2	27
47	Downward Wave Coupling between the Stratosphere and Troposphere: The Importance of Meridional Wave Guiding and Comparison with Zonal-Mean Coupling. Journal of Climate, 2010, 23, 6365-6381.	3.2	65
48	Regional Precipitation Trends: Distinguishing Natural Variability from Anthropogenic Forcing. Journal of Climate, 2010, 23, 2131-2145.	3.2	97
49	Contribution of sea ice loss to Arctic amplification. Geophysical Research Letters, 2010, 37, .	4.0	120
50	Impact of stratospheric ozone on Southern Hemisphere circulation change: A multimodel assessment. Journal of Geophysical Research, 2010, 115, .	3.3	280
51	Historical SAM Variability. Part II: Twentieth-Century Variability and Trends from Reconstructions, Observations, and the IPCC AR4 Models*. Journal of Climate, 2009, 22, 5346-5365.	3.2	162
52	Effect of zonal asymmetries in stratospheric ozone on simulated Southern Hemisphere climate trends. Geophysical Research Letters, 2009, 36, .	4.0	75
53	A strong bout of natural cooling in 2008. Geophysical Research Letters, 2009, 36, .	4.0	20
54	Intraâ€annual relationships between polar ozone and the SAM. Geophysical Research Letters, 2009, 36, .	4.0	20

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55	Modelling the influence of North Atlantic multidecadal warmth on the Indian summer rainfall. Geophysical Research Letters, 2008, 35, .	4.0	112
56	Impact of stratospheric ozone hole recovery on Antarctic climate. Geophysical Research Letters, 2008, 35, .	4.0	191
57	Observational evidence for asymmetric changes in tropospheric heights over Antarctica on decadal time scales. Geophysical Research Letters, 2008, 35, .	4.0	13
58	A New Look at Stratospheric Sudden Warmings. Part II: Evaluation of Numerical Model Simulations. Journal of Climate, 2007, 20, 470-488.	3.2	129
59	Climate simulations for 1880â€“2003 with GISS modelE. Climate Dynamics, 2007, 29, 661-696.	3.8	227
60	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	3.2	832
61	Wave Reflection and Focusing prior to the Major Stratospheric Warming of September 2002*. Journals of the Atmospheric Sciences, 2005, 62, 640-650.	1.7	20
62	Earth's Energy Imbalance: Confirmation and Implications. Science, 2005, 308, 1431-1435.	12.6	728
63	AO/NAO response to climate change: 1. Respective influences of stratospheric and tropospheric climate changes. Journal of Geophysical Research, 2005, 110, .	3.3	58
64	AO/NAO response to climate change: 2. Relative importance of low- and high-latitude temperature changes. Journal of Geophysical Research, 2005, 110, .	3.3	26
65	Efficacy of climate forcings. Journal of Geophysical Research, 2005, 110, .	3.3	1,104
66	Downward Coupling between the Stratosphere and Troposphere: The Relative Roles of Wave and Zonal Mean Processes*. Journal of Climate, 2004, 17, 4902-4909.	3.2	105
67	The Relative Importance of Solar and Anthropogenic Forcing of Climate Change between the Maunder Minimum and the Present. Journal of Climate, 2004, 17, 906-929.	3.2	96
68	The Response of the Hadley Circulation to Climate Changes, Past and Future. Advances in Global Change Research, 2004, , 399-435.	1.6	10
69	Observational Evidence of a Stratospheric Influence on the Troposphere by Planetary Wave Reflection. Journal of Climate, 2003, 16, 3011-3026.	3.2	200
70	Sensitivity of tracer transports and stratospheric ozone to sea surface temperature patterns in the doubled CO2climate. Journal of Geophysical Research, 2002, 107, ACL 25-1.	3.3	24
71	Troposphere-stratosphere dynamic coupling under strong and weak polar vortex conditions. Geophysical Research Letters, 2001, 28, 271-274.	4.0	88
72	The leading variability mode of the coupled troposphere-stratosphere winter circulation in different climate regimes. Journal of Geophysical Research, 2000, 105, 6915-6926.	3.3	30

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73	Changing lower stratospheric circulation: The role of ozone and greenhouse gases. Journal of Geophysical Research, 1998, 103, 11251-11261.	3.3	61
74	The Statistical Connection between Tropospheric and Stratospheric Circulation of the Northern Hemisphere in Winter. Journal of Climate, 1995, 8, 2281-2295.	3.2	235
75	On the Interrelationship Between Recent Climate Trends, Ozone Changes and Increased Greenhouse Gas Forcing. , 1995, , 163-179.		8