

Yochanan Kushnir

List of Publications by Year in descending order

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112
papers

16,744
citations

23567

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122
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122
docs citations

122
times ranked

13270
citing authors

#	ARTICLE	IF	CITATIONS
1	Changing hydroclimate dynamics and the 19th to 20th century wetting trend in the English Channel region of northwest Europe. <i>Climate Dynamics</i> , 2022, 58, 1539-1553.	3.8	0
2	Regional Signatures of Forced North Atlantic SST Variability: A Limited Role for Aerosols and Greenhouse Gases. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
3	Seasonal prediction of the Caribbean rainfall cycle. <i>Climate Services</i> , 2022, 27, 100309.	2.5	3
4	Initialized Earth System prediction from subseasonal to decadal timescales. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 340-357.	29.7	85
5	An Atmospheric Bridge Between the Subpolar and Tropical Atlantic Regions: A Perplexing Asymmetric Teleconnection. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	1
6	Toward Understanding the Occurrence of Both Wet and Dry Sahel Seasons during El Niño: The Modulating Role of the Global Ocean. <i>Journal of Climate</i> , 2020, 33, 1193-1207.	3.2	6
7	The effects of anthropogenic and volcanic aerosols and greenhouse gases on twentieth century Sahel precipitation. <i>Scientific Reports</i> , 2020, 10, 12203.	3.3	17
8	Interannual variability of the early and late-rainy seasons in the Caribbean. <i>Climate Dynamics</i> , 2020, 55, 1563-1583.	3.8	16
9	Droughts, flooding events, and shifts in water sources and seasonality characterize last interglacial Levant climate. <i>Quaternary Science Reviews</i> , 2020, 248, 106546.	3.0	11
10	Impact of the North Atlantic Warming Hole on Sensible Weather. <i>Journal of Climate</i> , 2020, 33, 4255-4271.	3.2	16
11	Mechanisms of Winter Precipitation Variability in the European-Mediterranean Region Associated with the North Atlantic Oscillation. <i>Journal of Climate</i> , 2020, 33, 7179-7196.	3.2	26
12	Towards operational predictions of the near-term climate. <i>Nature Climate Change</i> , 2019, 9, 94-101.	18.8	116
13	Seasonal climatology and dynamical mechanisms of rainfall in the Caribbean. <i>Climate Dynamics</i> , 2019, 53, 825-846.	3.8	60
14	Climate Variability and Change of Mediterranean-Type Climates. <i>Journal of Climate</i> , 2019, 32, 2887-2915.	3.2	132
15	A Euro-Mediterranean tree-ring reconstruction of the winter NAO index since 910 A.D.. <i>Climate Dynamics</i> , 2019, 53, 1567-1580.	3.8	32
16	Medieval Climate in the Eastern Mediterranean: Instability and Evidence of Solar Forcing. <i>Atmosphere</i> , 2019, 10, 29.	2.3	17
17	Impacts of the North Atlantic Warming Hole in Future Climate Projections: Mean Atmospheric Circulation and the North Atlantic Jet. <i>Journal of Climate</i> , 2019, 32, 2673-2689.	3.2	44
18	Atlantic Multidecadal Variability as a Modulator of Precipitation Variability in the Southwest United States. <i>Journal of Climate</i> , 2018, 31, 5525-5542.	3.2	6

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19	Multiscale Variability in North American Summer Maximum Temperatures and Modulations from the North Atlantic Simulated by an AGCM. <i>Journal of Climate</i> , 2018, 31, 2549-2562.	3.2	8
20	Decadal Climate Variability and Predictability: Challenges and Opportunities. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 479-490.	3.3	82
21	Predicted Chance That Global Warming Will Temporarily Exceed 1.5°C. <i>Geophysical Research Letters</i> , 2018, 45, 11,895.	4.0	31
22	Mechanisms Governing the Development of the North Atlantic Warming Hole in the CESM-LE Future Climate Simulations. <i>Journal of Climate</i> , 2018, 31, 5927-5946.	3.2	42
23	Observed and Projected Changes to the Precipitation Annual Cycle. <i>Journal of Climate</i> , 2017, 30, 4983-4995.	3.2	46
24	Relationships between lake-level changes and water and salt budgets in the Dead Sea during extreme aridities in the Eastern Mediterranean. <i>Earth and Planetary Science Letters</i> , 2017, 464, 211-226.	4.4	49
25	Reconstruction of Indian summer monsoon winds and precipitation over the past 10,000 years using equatorial Pacific SST proxy records. <i>Paleoceanography</i> , 2017, 32, 195-216.	3.0	17
26	Winter storm intensity, hazards, and property losses in the New York tristate area. <i>Annals of the New York Academy of Sciences</i> , 2017, 1400, 65-80.	3.8	9
27	A Census of Atmospheric Variability From Seconds to Decades. <i>Geophysical Research Letters</i> , 2017, 44, 11,201.	4.0	28
28	Commentary on the Syria case: Climate as a contributing factor. <i>Political Geography</i> , 2017, 60, 245-247.	2.5	32
29	Response to Engel et al. (in press): Lakes or wetlands? A comment on "The middle Holocene climatic records from Arabia: Reassessing lacustrine environments, shift of ITCZ in Arabian Sea, and impacts of the southwest Indian and African monsoons" by Enzel et al. (2015). <i>Global and Planetary Change</i> , 2017, 148, 268-271.	3.5	6
30	The Decadal Climate Prediction Project (DCPP) contribution to CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 3751-3777.	3.6	282
31	Understanding Pacific Ocean influence on interannual precipitation variability in the Sahel. <i>Geophysical Research Letters</i> , 2016, 43, 9234-9242.	4.0	22
32	Response to comment on: "Dead Sea drawdown and monsoonal impacts in the Levant during the last interglacial" [EPSL, 412, 235-244, 2015]. <i>Earth and Planetary Science Letters</i> , 2015, 427, 306-308.	4.4	5
33	Mediterranean climate future: an insightful look into the Basin's precipitation response to greenhouse gas forcing. <i>Environmental Research Letters</i> , 2015, 10, 111001.	5.2	2
34	Dead Sea drawdown and monsoonal impacts in the Levant during the last interglacial. <i>Earth and Planetary Science Letters</i> , 2015, 412, 235-244.	4.4	120
35	Climate change in the Fertile Crescent and implications of the recent Syrian drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3241-3246.	7.1	959
36	Natural and Forced North Atlantic Hurricane Potential Intensity Change in CMIP5 Models*. <i>Journal of Climate</i> , 2015, 28, 3926-3942.	3.2	36

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37	Moisture budget analysis of SST-driven decadal Sahel precipitation variability in the twentieth century. <i>Climate Dynamics</i> , 2015, 44, 3303-3321.	3.8	22
38	The middle Holocene climatic records from Arabia: Reassessing lacustrine environments, shift of ITCZ in Arabian Sea, and impacts of the southwest Indian and African monsoons. <i>Global and Planetary Change</i> , 2015, 129, 69-91.	3.5	87
39	Human adaptation strategies to abrupt climate change in Puerto Rico ca. 3.5 ka. <i>Holocene</i> , 2015, 25, 627-640.	1.7	20
40	Cross-Time Scale Interactions and Rainfall Extreme Events in Southeastern South America for the Austral Summer. Part I: Potential Predictors. <i>Journal of Climate</i> , 2015, 28, 7894-7913.	3.2	38
41	Old World megadroughts and pluvials during the Common Era. <i>Science Advances</i> , 2015, 1, e1500561.	10.3	403
42	Causes of Increasing Aridification of the Mediterranean Region in Response to Rising Greenhouse Gases*. <i>Journal of Climate</i> , 2014, 27, 4655-4676.	3.2	137
43	Dynamical and Thermodynamical Causes of Large-Scale Changes in the Hydrological Cycle over North America in Response to Global Warming*. <i>Journal of Climate</i> , 2014, 27, 7921-7948.	3.2	124
44	North Atlantic Multidecadal SST Oscillation: External forcing versus internal variability. <i>Journal of Marine Systems</i> , 2014, 133, 27-38.	2.1	74
45	Influence of local and remote SST on North Atlantic tropical cyclone potential intensity. <i>Climate Dynamics</i> , 2013, 40, 1515-1529.	3.8	51
46	A verification framework for interannual-to-decadal predictions experiments. <i>Climate Dynamics</i> , 2013, 40, 245-272.	3.8	254
47	Have Aerosols Caused the Observed Atlantic Multidecadal Variability?. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1135-1144.	1.7	282
48	Dynamical Structure of Extreme Floods in the U.S. Midwest and the United Kingdom. <i>Journal of Hydrometeorology</i> , 2013, 14, 485-504.	1.9	76
49	Volcanic rain shift. <i>Nature Climate Change</i> , 2013, 3, 619-620.	18.8	0
50	Intensification of the Southern Hemisphere summertime subtropical anticyclones in a warming climate. <i>Geophysical Research Letters</i> , 2013, 40, 5959-5964.	4.0	36
51	Coupled climate model simulations of Mediterranean winter cyclones and large-scale flow patterns. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 779-793.	3.6	11
52	The 1960s Drought and the Subsequent Shift to a Wetter Climate in the Catskill Mountains Region of the New York City Watershed*. <i>Journal of Climate</i> , 2012, 25, 6721-6742.	3.2	67
53	Comparing Twentieth- and Twenty-First-Century Patterns of Interannual Precipitation Variability over the Western United States and Northern Mexico*. <i>Journal of Hydrometeorology</i> , 2012, 13, 366-378.	1.9	9
54	Mediterranean precipitation climatology, seasonal cycle, and trend as simulated by CMIP5. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	66

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55	Variation of the North Atlantic subtropical high western ridge and its implication to Southeastern US summer precipitation. <i>Climate Dynamics</i> , 2012, 39, 1401-1412.	3.8	143
56	The relative contributions of radiative forcing and internal climate variability to the late 20th Century winter drying of the Mediterranean region. <i>Climate Dynamics</i> , 2012, 38, 2001-2015.	3.8	69
57	Evidence for 800years of North Atlantic multi-decadal variability from a Puerto Rican speleothem. <i>Earth and Planetary Science Letters</i> , 2011, 308, 23-28.	4.4	34
58	Distinguishing the Roles of Natural and Anthropogenically Forced Decadal Climate Variability. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 141-156.	3.3	125
59	Low-frequency climate variability in the Atlantic basin during the 20th century. <i>Atmospheric Science Letters</i> , 2010, 11, 180-185.	1.9	9
60	Tropical Oceanic Causes of Interannual to Multidecadal Precipitation Variability in Southeast South America over the Past Century*. <i>Journal of Climate</i> , 2010, 23, 5517-5539.	3.2	81
61	Mechanisms of Tropical Atlantic SST Influence on North American Precipitation Variability*. <i>Journal of Climate</i> , 2010, 23, 5610-5628.	3.2	184
62	North Atlantic influence on 19th-20th century rainfall in the Dead Sea watershed, teleconnections with the Sahel, and implication for Holocene climate fluctuations. <i>Quaternary Science Reviews</i> , 2010, 29, 3843-3860.	3.0	57
63	Hindcasts of Tropical Atlantic SST Gradient and South American Precipitation: The Influences of the ENSO Forcing and the Atlantic Preconditioning. <i>Journal of Climate</i> , 2009, 22, 2405-2421.	3.2	5
64	Observed Strengthening of the Zonal Sea Surface Temperature Gradient across the Equatorial Pacific Ocean*. <i>Journal of Climate</i> , 2009, 22, 4316-4321.	3.2	141
65	Classifying North Atlantic Tropical Cyclone Tracks by Mass Moments*. <i>Journal of Climate</i> , 2009, 22, 5481-5494.	3.2	70
66	Forced and Internal Twentieth-Century SST Trends in the North Atlantic*. <i>Journal of Climate</i> , 2009, 22, 1469-1481.	3.2	493
67	Climate Change over the Equatorial Indo-Pacific in Global Warming*. <i>Journal of Climate</i> , 2009, 22, 2678-2693.	3.2	18
68	Detecting shifts in correlation and variability with application to ENSO-monsoon rainfall relationships. <i>Theoretical and Applied Climatology</i> , 2008, 94, 215-224.	2.8	14
69	Would Advance Knowledge of 1930s SSTs Have Allowed Prediction of the Dust Bowl Drought?*. <i>Journal of Climate</i> , 2008, 21, 3261-3281.	3.2	94
70	Warming Trend of the Indian Ocean SST and Indian Ocean Dipole from 1880 to 2004*. <i>Journal of Climate</i> , 2008, 21, 2035-2046.	3.2	116
71	Timing of El Niño-Related Warming and Indian Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2008, 21, 2711-2719.	3.2	15
72	Forecasting Spring Reservoir Inflows in Churchill Falls Basin in Québec, Canada. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 426-437.	1.9	31

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73	Analysis of Climatic States and Atmospheric Circulation Patterns That Influence Quaternary Spring Streamflows. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 411-425.	1.9	15
74	Tropical Pacific Forcing of North American Medieval Megadroughts: Testing the Concept with an Atmosphere Model Forced by Coral-Reconstructed SSTs*. <i>Journal of Climate</i> , 2008, 21, 6175-6190.	3.2	77
75	Blueprints for Medieval hydroclimate. <i>Quaternary Science Reviews</i> , 2007, 26, 2322-2336.	3.0	173
76	Model Projections of an Imminent Transition to a More Arid Climate in Southwestern North America. <i>Science</i> , 2007, 316, 1181-1184.	12.6	1,792
77	Atlantic Climate Variability and Predictability: A CLIVAR Perspective. <i>Journal of Climate</i> , 2006, 19, 5100-5121.	3.2	99
78	AGCM Precipitation Biases in the Tropical Atlantic. <i>Journal of Climate</i> , 2006, 19, 935-958.	3.2	90
79	THE CRCES WORKSHOP ON DECADEAL CLIMATE VARIABILITY. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1223-1226.	3.3	1
80	The Physical Basis for Predicting Atlantic Sector Seasonal-to-Interannual Climate Variability*. <i>Journal of Climate</i> , 2006, 19, 5949-5970.	3.2	101
81	Formation, Mechanisms, and Predictability of the Aleutian-Icelandic Low Seesaw in Ensemble AGCM Simulations. <i>Journal of Climate</i> , 2005, 18, 1423-1434.	3.2	23
82	Modeling of Tropical Forcing of Persistent Droughts and Pluvials over Western North America: 1856-2000*. <i>Journal of Climate</i> , 2005, 18, 4065-4088.	3.2	376
83	The 1976/77 transition in precipitation over the Americas and the influence of tropical sea surface temperature. <i>Climate Dynamics</i> , 2005, 24, 721-740.	3.8	64
84	Mechanisms of Hemispherically Symmetric Climate Variability*. <i>Journal of Climate</i> , 2003, 16, 2960-2978.	3.2	330
85	An overview of the North Atlantic Oscillation. <i>Geophysical Monograph Series</i> , 2003, , 1-35.	0.1	963
86	Atmospheric GCM Response to Extratropical SST Anomalies: Synthesis and Evaluation*. <i>Journal of Climate</i> , 2002, 15, 2233-2256.	3.2	580
87	Making the Climate Connection: Bridging Scales of Space and Time in the U.S. GLOBEC Program. <i>Oceanography</i> , 2002, 15, 75-86.	1.0	7
88	Wind-Driven Shifts in the Latitude of the Kuroshio-Oyashio Extension and Generation of SST Anomalies on Decadal Timescales*. <i>Journal of Climate</i> , 2001, 14, 4249-4265.	3.2	206
89	Patterns of coherent decadal and interdecadal climate signals in the Pacific Basin during the 20th century. <i>Geophysical Research Letters</i> , 2001, 28, 2069-2072.	4.0	139
90	Looking for the Role of the Ocean in Tropical Atlantic Decadal Climate Variability*. <i>Journal of Climate</i> , 2001, 14, 638-655.	3.2	41

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91	Interdecadal Changes in the ENSO Teleconnection to the Caribbean Region and the North Atlantic Oscillation*. <i>Journal of Climate</i> , 2001, 14, 2867-2879.	3.2	165
92	The ENSO Teleconnection to the Tropical Atlantic Ocean: Contributions of the Remote and Local SSTs to Rainfall Variability in the Tropical Americas*. <i>Journal of Climate</i> , 2001, 14, 4530-4544.	3.2	220
93	Temperature and surface pressure anomalies in Israel and the North Atlantic Oscillation. <i>Theoretical and Applied Climatology</i> , 2001, 69, 171-177.	2.8	45
94	CLIMATE: The North Atlantic Oscillation. <i>Science</i> , 2001, 291, 603-605.	12.6	493
95	Causes of Atlantic Ocean Climate Variability between 1958 and 1998*. <i>Journal of Climate</i> , 2000, 13, 2845-2862.	3.2	153
96	Reduced Space Optimal Interpolation of Historical Marine Sea Level Pressure: 1854-1992*. <i>Journal of Climate</i> , 2000, 13, 2987-3002.	3.2	191
97	Interannual Variability of Caribbean Rainfall, ENSO, and the Atlantic Ocean*. <i>Journal of Climate</i> , 2000, 13, 297-311.	3.2	441
98	Interdecadal changes in eastern Pacific ITCZ variability and its influence on the Atlantic ITCZ. <i>Geophysical Research Letters</i> , 2000, 27, 3687-3690.	4.0	92
99	Europe's winter prospects. <i>Nature</i> , 1999, 398, 289-291.	27.8	45
100	Dominant Patterns of Climate Variability in the Atlantic Ocean during the Last 136 Years. <i>Journal of Climate</i> , 1999, 12, 2285-2299.	3.2	156
101	Evolution of Interdecadal Variability in Sea Level Pressure, Sea Surface Temperature, and Upper Ocean Temperature over the Pacific Ocean*. <i>Journal of Physical Oceanography</i> , 1999, 29, 1528-1541.	1.7	84
102	Observed decadal midlatitude and tropical Atlantic climate variability. <i>Geophysical Research Letters</i> , 1998, 25, 3967-3970.	4.0	129
103	Analyses of global sea surface temperature 1856-1991. <i>Journal of Geophysical Research</i> , 1998, 103, 18567-18589.	3.3	1,287
104	The Relationships between Tropical Pacific and Atlantic SST and Northeast Brazil Monthly Precipitation. <i>Journal of Climate</i> , 1998, 11, 551-562.	3.2	305
105	The Recent Increase in North Atlantic Wave Heights*. <i>Journal of Climate</i> , 1997, 10, 2107-2113.	3.2	162
106	Twentieth-Century Sea Surface Temperature Trends. <i>Science</i> , 1997, 275, 957-960.	12.6	443
107	Equilibrium Atmospheric Response to North Atlantic SST Anomalies. <i>Journal of Climate</i> , 1996, 9, 1208-1220.	3.2	152
108	An Advective Atmospheric Mixed Layer Model for Ocean Modeling Purposes: Global Simulation of Surface Heat Fluxes. <i>Journal of Climate</i> , 1995, 8, 1951-1964.	3.2	143

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109	On Heat Flux Boundary Conditions for Ocean Models. <i>Journal of Physical Oceanography</i> , 1995, 25, 3219-3230.	1.7	49
110	Interdecadal Variations in North Atlantic Sea Surface Temperature and Associated Atmospheric Conditions. <i>Journal of Climate</i> , 1994, 7, 141-157.	3.2	823
111	The General Circulation Model Response to a North Pacific SST Anomaly: Dependence on Time Scale and Pattern Polarity. <i>Journal of Climate</i> , 1992, 5, 271-283.	3.2	91
112	Low-Frequency Variability in the Northern Hemisphere Winter: Geographical Distribution, Structure and Time-Scale Dependence. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 3122-3143.	1.7	149