Christina M Patricola

List of Publications by Year
in descending order

62 papers	2,520 citations	186265 28 h-index	206112 48 g-index
70 all docs	70 docs citations	70 times ranked	3047 citing authors

#	Article	IF	Citations
1	A framework for detection and attribution of regional precipitation change: Application to the United States historical record. Climate Dynamics, 2023, 60, 705-741.	3.8	4
2	Trends in Global Tropical Cyclone Activity: 1990â€"2021. Geophysical Research Letters, 2022, 49, .	4.0	41
3	Future changes in extreme precipitation over the San Francisco Bay Area: Dependence on atmospheric river and extratropical cyclone events. Weather and Climate Extremes, 2022, 36, 100440.	4.1	12
4	Thank You to Our 2021 Peer Reviewers. Geophysical Research Letters, 2022, 49, .	4.0	0
5	Tropical Oceanic Influences on Observed Global Tropical Cyclone Frequency. Geophysical Research Letters, 2022, 49, .	4.0	12
6	Impact of the Benguela coastal low-level jet on the southeast tropical Atlantic SST bias in a regional ocean model. Climate Dynamics, 2021, 56, 2773-2800.	3.8	12
7	Ocean fronts and eddies force atmospheric rivers and heavy precipitation in western North America. Nature Communications, 2021, 12, 1268.	12.8	29
8	Quantifying the influence of natural climate variability on in situ measurements of seasonal total and extreme daily precipitation. Climate Dynamics, 2021, 56, 3205-3230.	3.8	10
9	Sources of Subseasonalâ€Toâ€Seasonal Predictability of Atmospheric Rivers and Precipitation in the Western United States. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034053.	3.3	13
10	Uncertainties in Atmospheric River Lifecycles by Detection Algorithms: Climatology and Variability. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033711.	3.3	24
11	Influence of Background Divergent Moisture Flux on the Frequency of North Pacific Atmospheric Rivers. Journal of Climate, 2021, , 1-33.	3.2	3
12	Thank You to Our 2020 Peer Reviewers. Geophysical Research Letters, 2021, 48, e2021GL093126.	4.0	0
13	Anthropogenic influences on the African easterly jetâ€"African easterly wave system. Climate Dynamics, 2021, 57, 2779-2792.	3.8	9
14	Central American mountains inhibit eastern North Pacific seasonal tropical cyclone activity. Nature Communications, 2021, 12, 4422.	12.8	10
15	Anthropogenic Influences on Tornadic Storms. Journal of Climate, 2021, , 1-57.	3.2	3
16	Rise in Northeast US extreme precipitation caused by Atlantic variability and climate change. Weather and Climate Extremes, 2021, 33, 100351.	4.1	13
17	A Tale of Two Rapidly Intensifying Supertyphoons: Hagibis (2019) and Haiyan (2013). Bulletin of the American Meteorological Society, 2021, 102, E1645-E1664.	3.3	17
18	The Influence of Ocean Coupling on Simulated and Projected Tropical Cyclone Precipitation in the HighResMIPâ€"PRIMAVERA Simulations. Geophysical Research Letters, 2021, 48, e2021GL094801.	4.0	12

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19	Tropical Cyclone Frequency. Earth's Future, 2021, 9, .	6.3	46
20	Maximizing ENSO as a source of western US hydroclimate predictability. Climate Dynamics, 2020, 54, 351-372.	3.8	52
21	The Shifting Scales of Western U.S. Landfalling Atmospheric Rivers Under Climate Change. Geophysical Research Letters, 2020, 47, e2020GL089096.	4.0	47
22	Enhanced Predictability of Eastern North Pacific Tropical Cyclone Activity Using the ENSO Longitude Index. Geophysical Research Letters, 2020, 47, e2020GL088849.	4.0	6
23	Thank You to Our 2019 Peer Reviewers. Geophysical Research Letters, 2020, 47, e2020GL088048.	4.0	0
24	The Ongoing Need for High-Resolution Regional Climate Models: Process Understanding and Stakeholder Information. Bulletin of the American Meteorological Society, 2020, 101, E664-E683.	3.3	90
25	Detection Uncertainty Matters for Understanding Atmospheric Rivers. Bulletin of the American Meteorological Society, 2020, 101, E790-E796.	3.3	24
26	Detection of atmospheric rivers with inline uncertainty quantification: TECA-BARD v1.0.1. Geoscientific Model Development, 2020, 13, 6131-6148.	3.6	13
27	Metrics for understanding large-scale controls of multivariate temperature and precipitation variability. Climate Dynamics, 2019, 53, 3805-3823.	3.8	12
28	Interacting implications of climate change, population dynamics, and urban heat mitigation for future exposure to heat extremes. Environmental Research Letters, 2019, 14, 084051.	5.2	18
29	Thank You to Our 2018 Peer Reviewers. Geophysical Research Letters, 2019, 46, 12608-12636.	4.0	0
30	High-Resolution Tropical Channel Model Simulations of Tropical Cyclone Climatology and Intraseasonal-to-Interannual Variability. Journal of Climate, 2019, 32, 7871-7895.	3.2	10
31	The Tropical Atlantic Observing System. Frontiers in Marine Science, 2019, 6, .	2.5	80
32	Estimating the Human Influence on Tropical Cyclone Intensity as the Climate Changes. Hurricane Risk B, 2019, , 235-260.	0.5	14
33	Tropical cyclones and climate change. Tropical Cyclone Research and Review, 2019, 8, 240-250.	2.2	57
34	The impact of climate model sea surface temperature biases on tropical cyclone simulations. Climate Dynamics, 2019, 53, 173-192.	3.8	35
35	GovMath. Notices of the American Mathematical Society, 2019, 66, 1.	0.2	0
36	The Response of Atlantic Tropical Cyclones to Suppression of African Easterly Waves. Geophysical Research Letters, 2018, 45, 471-479.	4.0	47

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37	The Influence of ENSO Flavors on Western North Pacific Tropical Cyclone Activity. Journal of Climate, 2018, 31, 5395-5416.	3.2	80
38	Anthropogenic influences on major tropical cyclone events. Nature, 2018, 563, 339-346.	27.8	294
39	Diversity of ENSO Events Unified by Convective Threshold Sea Surface Temperature: A Nonlinear ENSO Index. Geophysical Research Letters, 2018, 45, 9236-9244.	4.0	78
40	Tropical cyclones are becoming sluggish. Nature, 2018, 558, 36-37.	27.8	10
41	Simulation and Analysis of Hurricane-Driven Extreme Wave Climate Under Two Ocean Warming Scenarios. Oceanography, 2018, 31, .	1.0	4
42	A teleconnection between Atlantic sea surface temperature and eastern and central North Pacific tropical cyclones. Geophysical Research Letters, 2017, 44, 1167-1174.	4.0	32
43	Intrabasin Variability of East Pacific Tropical Cyclones During ENSO Regulated by Central American Gap Winds. Scientific Reports, 2017, 7, 1658.	3.3	14
44	Diagnosing conditional anthropogenic contributions to heavy Colorado rainfall in September 2013. Weather and Climate Extremes, 2017, 17, 1-6.	4.1	55
45	Structure and dynamics of the Benguela low-level coastal jet. Climate Dynamics, 2017, 49, 2765-2788.	3.8	37
46	Challenges and Prospects for Reducing Coupled Climate Model SST Biases in the Eastern Tropical Atlantic and Pacific Oceans: The U.S. CLIVAR Eastern Tropical Oceans Synthesis Working Group. Bulletin of the American Meteorological Society, 2016, 97, 2305-2328.	3.3	116
47	Degree of simulated suppression of Atlantic tropical cyclones modulated by flavour of El NiÃ±o. Nature Geoscience, 2016, 9, 155-160.	12.9	56
48	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	3.3	158
49	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440.	3.3	2
50	Cluster Analysis of Downscaled and Explicitly Simulated North Atlantic Tropical Cyclone Tracks. Journal of Climate, 2015, 28, 1333-1361.	3.2	51
51	Impact of Atlantic SST and high frequency atmospheric variability on the 1993 and 2008 Midwest floods: Regional climate model simulations of extreme climate events. Climatic Change, 2015, 129, 397-411.	3.6	21
52	The Impact of the El NiÃ±oâ€"Southern Oscillation and Atlantic Meridional Mode on Seasonal Atlantic Tropical Cyclone Activity. Journal of Climate, 2014, 27, 5311-5328.	3.2	82
53	Atmospheric teleconnection mechanisms of extratropical North Atlantic SST influence on Sahel rainfall. Climate Dynamics, 2014, 43, 2797-2811.	3.8	46
54	Oceanic origin of southeast tropical Atlantic biases. Climate Dynamics, 2014, 43, 2915-2930.	3.8	52

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55	Mid-twenty-first century warm season climate change in the Central United States. Part I: regional and global model predictions. Climate Dynamics, 2013, 40, 551-568.	3.8	34
56	Mid-twenty-first century climate change in the Central United States. Part II: Climate change processes. Climate Dynamics, 2013, 40, 569-583.	3.8	16
57	An investigation of tropical Atlantic bias in a high-resolution coupled regional climate model. Climate Dynamics, 2012, 39, 2443-2463.	3.8	48
58	Sub-Saharan Northern African climate at the end of the twenty-first century: forcing factors and climate change processes. Climate Dynamics, 2011, 37, 1165-1188.	3.8	53
59	Northern African climate at the end of the twenty-first century: an integrated application of regional and global climate models. Climate Dynamics, 2010, 35, 193-212.	3.8	123
60	Atmosphere/vegetation feedbacks: A mechanism for abrupt climate change over northern Africa. Journal of Geophysical Research, 2008, 113, .	3.3	43
61	Springtime Intensification of the Great Plains Low-Level Jet and Midwest Precipitation in GCM Simulations of the Twenty-First Century. Journal of Climate, 2008, 21, 6321-6340.	3.2	113
62	Dynamics of the West African Monsoon under Mid-Holocene Precessional Forcing: Regional Climate Model Simulations. Journal of Climate, 2007, 20, 694-716.	3.2	75