Christina M Patricola

List of Publications by Year
in descending order

62	2,520	186265 28	206112 48
papers	citations	h-index	g-index

70	70	70	3047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anthropogenic influences on major tropical cyclone events. Nature, 2018, 563, 339-346.	27.8	294
2	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	3.3	158
3	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
4	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
5	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
6	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
7	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
8	The Influence of ENSO Flavors on Western North Pacific Tropical Cyclone Activity. Journal of Climate, 2018, 31, 5395-5416.	3.2	80
9	The Tropical Atlantic Observing System. Frontiers in Marine Science, 2019, 6, .	2.5	80
10	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
11	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
12	Tropical cyclones and climate change. Tropical Cyclone Research and Review, 2019, 8, 240-250.	2.2	57
13	Degree of simulated suppression of Atlantic tropical cyclones modulated by flavour of El NiÃ±o. Nature Geoscience, 2016, 9, 155-160.	12.9	56
14	Diagnosing conditional anthropogenic contributions to heavy Colorado rainfall in September 2013. Weather and Climate Extremes, 2017, 17, 1-6.	4.1	55
15	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
16	Oceanic origin of southeast tropical Atlantic biases. Climate Dynamics, 2014, 43, 2915-2930.	3.8	52
17	Maximizing ENSO as a source of western US hydroclimate predictability. Climate Dynamics, 2020, 54, 351-372.	3.8	52
18	Cluster Analysis of Downscaled and Explicitly Simulated North Atlantic Tropical Cyclone Tracks. Journal of Climate, 2015, 28, 1333-1361.	3.2	51

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19	An investigation of tropical Atlantic bias in a high-resolution coupled regional climate model. Climate Dynamics, 2012, 39, 2443-2463.	3.8	48
20	The Response of Atlantic Tropical Cyclones to Suppression of African Easterly Waves. Geophysical Research Letters, 2018, 45, 471-479.	4.0	47
21	The Shifting Scales of Western U.S. Landfalling Atmospheric Rivers Under Climate Change. Geophysical Research Letters, 2020, 47, e2020GL089096.	4.0	47
22	Atmospheric teleconnection mechanisms of extratropical North Atlantic SST influence on Sahel rainfall. Climate Dynamics, 2014, 43, 2797-2811.	3.8	46
23	Tropical Cyclone Frequency. Earth's Future, 2021, 9, .	6.3	46
24	Atmosphere/vegetation feedbacks: A mechanism for abrupt climate change over northern Africa. Journal of Geophysical Research, 2008, 113, .	3.3	43
25	Trends in Global Tropical Cyclone Activity: 1990â€“2021. Geophysical Research Letters, 2022, 49, .	4.0	41
26	Structure and dynamics of the Benguela low-level coastal jet. Climate Dynamics, 2017, 49, 2765-2788.	3.8	37
27	The impact of climate model sea surface temperature biases on tropical cyclone simulations. Climate Dynamics, 2019, 53, 173-192.	3.8	35
28	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
29	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
30	Ocean fronts and eddies force atmospheric rivers and heavy precipitation in western North America. Nature Communications, 2021, 12, 1268.	12.8	29
31	Uncertainties in Atmospheric River Lifecycles by Detection Algorithms: Climatology and Variability. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033711.	3.3	24
32	Detection Uncertainty Matters for Understanding Atmospheric Rivers. Bulletin of the American Meteorological Society, 2020, 101, E790-E796.	3.3	24
33	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
34	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
35	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
36	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

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37	Intrabasin Variability of East Pacific Tropical Cyclones During ENSO Regulated by Central American Gap Winds. Scientific Reports, 2017, 7, 1658.	3.3	14
38	Estimating the Human Influence on Tropical Cyclone Intensity as the Climate Changes. Hurricane Risk B, 2019, , 235-260.	0.5	14
39	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
40	Rise in Northeast US extreme precipitation caused by Atlantic variability and climate change. Weather and Climate Extremes, 2021, 33, 100351.	4.1	13
41	Detection of atmospheric rivers with inline uncertainty quantification: TECA-BARD v1.0.1. Geoscientific Model Development, 2020, 13, 6131-6148.	3.6	13
42	Metrics for understanding large-scale controls of multivariate temperature and precipitation variability. Climate Dynamics, 2019, 53, 3805-3823.	3.8	12
43	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
44	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
45	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
46	Tropical Oceanic Influences on Observed Global Tropical Cyclone Frequency. Geophysical Research Letters, 2022, 49, .	4.0	12
47	Tropical cyclones are becoming sluggish. Nature, 2018, 558, 36-37.	27.8	10
48	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
49	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
50	Central American mountains inhibit eastern North Pacific seasonal tropical cyclone activity. Nature Communications, 2021, 12, 4422.	12.8	10
51	Anthropogenic influences on the African easterly jetâ€“African easterly wave system. Climate Dynamics, 2021, 57, 2779-2792.	3.8	9
52	Enhanced Predictability of Eastern North Pacific Tropical Cyclone Activity Using the ENSO Longitude Index. Geophysical Research Letters, 2020, 47, e2020GL088849.	4.0	6
53	Simulation and Analysis of Hurricane-Driven Extreme Wave Climate Under Two Ocean Warming Scenarios. Oceanography, 2018, 31, .	1.0	4
54	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

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55	Influence of Background Divergent Moisture Flux on the Frequency of North Pacific Atmospheric Rivers. Journal of Climate, 2021, , 1-33.	3.2	3
56	Anthropogenic Influences on Tornadic Storms. Journal of Climate, 2021, , 1-57.	3.2	3
57	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440.	3.3	2
58	Thank You to Our 2018 Peer Reviewers. Geophysical Research Letters, 2019, 46, 12608-12636.	4.0	0
59	Thank You to Our 2019 Peer Reviewers. Geophysical Research Letters, 2020, 47, e2020GL088048.	4.0	0
60	Thank You to Our 2020 Peer Reviewers. Geophysical Research Letters, 2021, 48, e2021GL093126.	4.0	0
61	GovMath. Notices of the American Mathematical Society, 2019, 66, 1.	0.2	0
62	Thank You to Our 2021 Peer Reviewers. Geophysical Research Letters, 2022, 49, .	4.0	0