

CITATION REPORT

List of articles citing

Responses and impacts of atmospheric rivers to climate change

DOI: 10.1038/s43017-020-0030-5

Nature Reviews Earth & Environment, 2020, 1, 143-157.

Source: <https://exaly.com/paper-pdf/76932899/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
122	Response of Landfalling Atmospheric Rivers on the U.S. West Coast to Local Sea Surface Temperature Perturbations. 2020 , 47, e2020GL089254		4
121	Sensitivity of Atmospheric River Vapor Transport and Precipitation to Uniform Sea Surface Temperature Increases. 2020 , 125, e2020JD033421		7
120	Significant increase of global anomalous moisture uptake feeding landfalling Atmospheric Rivers. 2020 , 11, 5082		13
119	Future precipitation increase from very high resolution ensemble downscaling of extreme atmospheric river storms in California. 2020 , 6, eaba1323		30
118	On the crucial role of atmospheric rivers in the two major Weddell Polynya events in 1973 and 2017 in Antarctica. 2020 , 6,		17
117	Moisture- Versus Wind-Dominated Flavors of Atmospheric Rivers. 2020 , 47, e2020GL090042		7
116	Global hotspots for the occurrence of compound events. 2020 , 11, 5956		31
115	The Shifting Scales of Western U.S. Landfalling Atmospheric Rivers Under Climate Change. 2020 , 47, e2020GL089096		13
114	Consensus and Disagreement in Atmospheric River Detection: ARTMIP Global Catalogues. 2020 , 47, e2020GL089302		30
113	Poleward Shift of Atmospheric Rivers in the Southern Hemisphere in Recent Decades. 2020 , 47, e2020GL089934		16
112	SST Warming in Recent Decades in the Gulf Stream Extension Region and Its Impact on Atmospheric Rivers. 2020 , 11, 1109		2
111	Atmospheric Rivers and Precipitation in the Middle East and North Africa (MENA). 2020 , 12, 2863		10
110	The formation, character and changing nature of mesoscale convective systems. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 300-314	30.2	26
109	A typology of compound weather and climate events. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 333-347	30.2	179
108	Anthropogenic intensification of short-duration rainfall extremes. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 107-122	30.2	83
107	Backward trajectories analysis of southern California atmospheric rivers.		
106	Identifying Snowfall Clouds at Syowa Station, Antarctica via a Convolutional Neural Network. 2021 , 73-83		

105	Impact of the Anomalous Latent Heat Flux Over the Kuroshio Extension on Western North American Rainfall in Spring: Interannual Variation and Mechanism. 2021 , 8,	2
104	Ocean fronts and eddies force atmospheric rivers and heavy precipitation in western North America. 2021 , 12, 1268	15
103	Climate-Mediated Changes to Linked Terrestrial and Marine Ecosystems across the Northeast Pacific Coastal Temperate Rainforest Margin. 2021 , 71, 581-595	7
102	Influence of African Atmospheric Rivers on Precipitation and Snowmelt in the Near East's Highlands. 2021 , 126, e2020JD033646	6
101	Atmospheric River Precipitation Contributed to Rapid Increases in Surface Height of the West Antarctic Ice Sheet in 2019. 2021 , 48, e2020GL091076	8
100	Beyond Mapping Functions and Gradients.	1
99	Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. 2021 , 379, 20190542	22
98	Sources of Subseasonal-To-Seasonal Predictability of Atmospheric Rivers and Precipitation in the Western United States. 2021 , 126, e2020JD034053	6
97	Estimating design hydrologic extremes in a warming climate: alternatives, uncertainties and the way forward. 2021 , 379, 20190623	7
96	A Lagrangian View of Moisture Transport Related to the Heavy Rainfall of July 2020 in Japan: Importance of the Moistening Over the Subtropical Regions. 2021 , 48, e2020GL091441	9
95	Changing River Network Synchrony Modulates Projected Increases in High Flows. 2021 , 57, e2020WR028713	3
94	Tracking the origins of moisture over Vietnam: The role of moisture sources and atmospheric drivers on seasonal hydroclimatic conditions. 2021 , 41, 5843	0
93	Implications of warming on western United States landfalling atmospheric rivers and their flood damages. 2021 , 32, 100326	6
92	Climate change and extreme weather: A review focusing on the continental United States. 2021 , 71, 1186-1209	3
91	Global analysis of cyclone-induced compound precipitation and wind extreme events. 2021 , 32, 100324	4
90	The Urban River Syndrome: Achieving Sustainability Against a Backdrop of Accelerating Change. 2021 , 18,	0
89	A Warming Climate Adds Complexity to Post-Fire Hydrologic Hazard Planning. 2021 , 9, e2021EF002149	3
88	TempestExtremes v2.1: a community framework for feature detection, tracking, and analysis in large datasets. 2021 , 14, 5023-5048	9

87	Causes, impacts and patterns of disastrous river floods. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 592-609	30.2	26
86	Characteristics and Causes of Extreme Snowmelt over the Conterminous United States. 2021 , 102, E1526-E1542		
85	Influence of stationary waves on mid-Pliocene atmospheric rivers and hydroclimate. 2021 , 204, 103557		4
84	Atmospheric river, a term encompassing different meteorological patterns. 2021 , 8, e1558		2
83	Atmospheric Rivers: An Overlooked Threat to the Marginal Snowpack of the Australian Alps. 2021 , 22, 2521-2532		0
82	Cascading effect of meteorological forcing on extreme precipitation events: Role of atmospheric rivers in southeastern US. 2021 , 601, 126641		2
81	Spatio-temporal variability of atmospheric rivers and associated atmospheric parameters in the Euro-Atlantic region. 1		2
80	Bringing the Future Into Focus: Benefits and Challenges of High-Resolution Global Climate Change Simulations. 2021 , 1-1		
79	Cool season precipitation projections for California and the Western United States in NA-CORDEX models. 2021 , 56, 3081-3102		7
78	An Unprecedented Set of High-Resolution Earth System Simulations for Understanding Multiscale Interactions in Climate Variability and Change. 2020 , 12, e2020MS002298		27
77	Simulations of Atmospheric Rivers, Their Variability, and Response to Global Warming Using GFDL's New High-Resolution General Circulation Model. 2020 , 33, 10287-10303		15
76	Floods due to Atmospheric Rivers along the U.S. West Coast: The Role of Antecedent Soil Moisture in a Warming Climate. 2020 , 21, 1827-1845		10
75	Winter Inputs Buffer Streamflow Sensitivity to Snowpack Losses in the Salt River Watershed in the Lower Colorado River Basin. 2021 , 13, 3		3
74	Detection of atmospheric rivers with inline uncertainty quantification: TECA-BARD v1.0.1. 2020 , 13, 6131-6148		7
73	Atmospheric River Response to Arctic Sea Ice Loss in the Polar Amplification Model Intercomparison Project. 2021 , 48, e2021GL094883		0
72	Counterbalancing influences of aerosols and greenhouse gases on atmospheric rivers. 2021 , 11, 958-965		9
71	A low-to-no snow future and its impacts on water resources in the western United States. <i>Nature Reviews Earth & Environment</i> ,	30.2	14
70	Atmospheric rivers in the AustraliaAsian region under current and future climate in CMIP5 models. 2020 , 70, 88		0

69	CHOSEN: A synthesis of hydrometeorological data from intensively monitored catchments and comparative analysis of hydrologic extremes. 2021 , 35, e14429	0
68	On the emerging global relevance of atmospheric rivers and impacts on landscapes and water resources. 030913332110588	
67	Atmospheric Rivers Bring More Frequent and Intense Extreme Rainfall Events Over East Asia Under Global Warming. 2021 , 48, e2021GL096030	4
66	A Comparison of Northwest Cloudbands and Landfalling Atmospheric Rivers Over Australia.	
65	Atmospheric rivers drive exceptional Saharan dust transport towards Europe. 2022 , 266, 105959	4
64	High-Tide Floods and Storm Surges During Atmospheric Rivers on the US West Coast. 2022 , 49,	1
63	Tropical, Subtropical and Extratropical Atmospheric Rivers in the Australian Region. 2022 , 1-26	4
62	Atmospheric river precipitation enhanced by climate change: A case study of the storm that contributed to California's Oroville Dam crisis.	2
61	Tipping-Bucket Self-Powered Rain Gauge Based on Triboelectric Nanogenerators for Rainfall Measurement.	
60	Extinct groundwater discharge locality in the Eldorado Valley; eastern Mojave Desert, Nevada, USA. 1	
59	Changes in extreme integrated water vapor transport on the U.S. west coast in NA-CORDEX, and relationship to mountain and inland precipitation. 1	
58	Precipitation Extremes and Water Vapor. 2022 , 8, 17-33	0
57	A Comparison between the Kuroshio Extension and Pineapple Express Atmospheric Rivers Affecting the West Coast of North America. 2022 , 1-58	1
56	Increases in Future AR Count and Size: Overview of the ARTMIP Tier 2 CMIP5/6 Experiment. 2022 , 127,	8
55	Atmospheric River Storm Flooding Influences Tidal Marsh Elevation Building Processes. 2022 , 127,	0
54	An Overview of ARTMIP's Tier 2 Reanalysis Intercomparison: Uncertainty in the Detection of Atmospheric Rivers and their Associated Precipitation.	8
53	Tipping-bucket self-powered rain gauge based on triboelectric nanogenerators for rainfall measurement. 2022 , 107234	2
52	Future changes in extreme precipitation over the San Francisco Bay Area: Dependence on atmospheric river and extratropical cyclone events. 2022 , 100440	1

51	Response of atmospheric rivers over East Asia to increase of resolution in the HadGEM3-GC3.1 general circulation model. 2022 , 106244	0
50	Automatic detection, classification, and long-term investigation of temporal-spatial changes of atmospheric rivers in the Middle East.	
49	Fires, vegetation, and human-The history of critical transitions during the last 1000 years in Northeastern Mongolia.. 2022 , 155660	0
48	Ocean Surface Salinity Response to Atmospheric River Precipitation in the California Current System. 2022 ,	
47	A cluster analysis of cold-season atmospheric river tracks over the North Atlantic and their linkages to extreme precipitation and winds.	1
46	Atmospheric rivers impacting western North America in a world with climate intervention. 2022 , 5,	0
45	Spatiotemporal Variability in Precipitation Extremes in the Jianghuai Region of China and the Analysis of Its Circulation Features. 2022 , 14, 6680	
44	Long-term trends in atmospheric rivers over East Asia.	0
43	An anomalous warm-season trans-Pacific atmospheric river linked to the 2021 western North America heatwave. 2022 , 3,	3
42	The Press and Pulse of Climate Change: Extreme Events in the Colorado River Basin.	1
41	Atmospheric river representation in the Energy Exascale Earth System Model (E3SM) version 1.0. 2022 , 15, 5461-5480	
40	Projecting end-of-century climate extremes and their impacts on the hydrology of a representative California watershed. 2022 , 26, 3589-3609	1
39	Analysis of changes in large-scale circulation patterns driving extreme precipitation events over the central-eastern China.	
38	Concurrent extreme events of atmospheric moisture transport and continental precipitation: The role of landfalling atmospheric rivers. 2022 , 106356	0
37	Quantifying and Understanding Forced Changes to Unforced Modes of Atmospheric Circulation Variability over the North Pacific in a Coupled Model Large Ensemble. 2022 , 1-49	0
36	Extreme climate events in sub-Saharan Africa: A call for improving agricultural technology transfer to enhance adaptive capacity. 2022 , 27, 100311	2
35	Climate change is increasing the risk of a California megaflood. 2022 , 8,	6
34	Large-Scale Afforestation Enhances Precipitation by Intensifying the Atmospheric Water Cycle Over the Chinese Loess Plateau. 2022 , 127,	2

33	Climate change contributions to future atmospheric river flood damages in the western United States. 2022 , 12,	1
32	Extreme precipitation events.	
31	Impact of climate change on site characteristics of eight major astronomical observatories using high-resolution global climate projections until 2050. Projected increase in temperature and humidity leads to poorer astronomical observing conditions.	0
30	A proxy-model comparison for mid-Pliocene warm period hydroclimate in the Southwestern US. 2022 , 596, 117803	0
29	Decline in Seasonal Snow during a Projected 20-Year Dry Spell. 2022 , 9, 155	1
28	Identifying Eastern US Atmospheric River Types and Evaluating Historical Trends. 2022 , 127,	0
27	Atmospheric Rivers Contribute to Summer Surface Buoyancy Forcing in the Atlantic Sector of the Southern Ocean. 2022 , 49,	1
26	Contribution of Atmospheric Rivers to Antarctic Precipitation. 2022 , 49,	0
25	Contrasting Climatic Trends of Atmospheric River Occurrences Over East Asia. 2022 , 49,	0
24	The Unprecedented Character of California's 20th Century Enhanced Hydroclimatic Variability in a 600-Year Context. 2022 , 49,	0
23	Atmospheric Rivers and Precipitation in the Middle East. 2022 , 49-70	0
22	Quantifying the Relationship Between Atmospheric River Origin Conditions and Landfall Temperature. 2022 , 127,	0
21	American Cordillera snow futures.	0
20	Asymmetric emergence of low-to-no snow in the midlatitudes of the American Cordillera.	1
19	Where does the link between atmospheric moisture transport and extreme precipitation matter?. 2023 , 39, 100536	0
18	The Societal and Economic Impact of Reforestation Strategies and Policies in Southeast Asia: A Review. 2023 , 14, 1	0
17	Modulation of weather type transitions on temperature and precipitation across the continental U.S..	0
16	Construction of Disaster Risk in Mountain Systems and its Integrated Management. 2022 , 335-355	0

- 15 Disentangling the statistical and synoptic characteristics of the sub-daily rainfall extremes over Indian sub-continent. **2023**, 16, ○
- 14 Atmospheric River Contributions to Ice Sheet Hydroclimate at the Last Glacial Maximum. **2023**, 50, ○
- 13 Atmospheric extremes. **2023**, 327-365 ○
- 12 How are atmospheric extremes likely to change into the future?. **2023**, 145-179 ○
- 11 Atmospheric River Variability Over the Last Millennium Driven by Annular Modes. **2023**, 4, ○
- 10 Have atmospheric extremes changed in the past?. **2023**, 81-126 ○
- 9 Future changes in atmospheric rivers over East Asia under stratospheric aerosol intervention. **2023**, 23, 1687-1703 ○
- 8 Evaluation of a CMIP6 Multi-GCM Ensemble for Atmospheric Rivers and Precipitation Over East Asia. ○
- 7 Atmospheric rivers that make landfall in India are associated with flooding. **2023**, 4, ○
- 6 More frequent atmospheric rivers slow the seasonal recovery of Arctic sea ice. **2023**, 13, 266-273 ○
- 5 Temperature and cloud condensation nuclei (CCN) sensitivity of orographic precipitation enhanced by a mixed-phase seeder-feeder mechanism: a case study for the 2015 Cumbria flood. **2023**, 23, 1987-2002 ○
- 4 Future Atmospheric Rivers and Impacts on Precipitation: Overview of the ARTMIP Tier 2 High-Resolution Global Warming Experiment. **2023**, 50, ○
- 3 Sea level rise from West Antarctic mass loss significantly modified by large snowfall anomalies. **2023**, 14, ○
- 2 Climate change-induced influences on the nonlinear dynamic patterns of precipitation and temperatures (case study: Central England). ○
- 1 An innovative approach to predict atmospheric rivers: Exploring convolutional autoencoder. **2023**, 289, 106754 ○