

Fred Ralph

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

145
papers

8,745
citations

51
h-index

92
g-index

160
ext. papers

10,006
ext. citations

4.3
avg, IF

6.44
L-index

#	Paper	IF	Citations
145	Atmospheric Rivers, Floods and the Water Resources of California. <i>Water (Switzerland)</i> , 2011 , 3, 445-478	3.7	541
144	Flooding on California's Russian River: Role of atmospheric rivers. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	463
143	Meteorological Characteristics and Overland Precipitation Impacts of Atmospheric Rivers Affecting the West Coast of North America Based on Eight Years of SSM/I Satellite Observations. <i>Journal of Hydrometeorology</i> , 2008 , 9, 22-47	3.7	451
142	Satellite and CALJET Aircraft Observations of Atmospheric Rivers over the Eastern North Pacific Ocean during the Winter of 1997/98. <i>Monthly Weather Review</i> , 2004 , 132, 1721-1745	2.4	428
141	Dust and biological aerosols from the Sahara and Asia influence precipitation in the western U.S. <i>Science</i> , 2013 , 339, 1572-8	33.3	393
140	Climatological Characteristics of Atmospheric Rivers and Their Inland Penetration over the Western United States. <i>Monthly Weather Review</i> , 2014 , 142, 905-921	2.4	316
139	Flooding in Western Washington: The Connection to Atmospheric Rivers*. <i>Journal of Hydrometeorology</i> , 2011 , 12, 1337-1358	3.7	272
138	Drosonde Observations in Low-Level Jets over the Northeastern Pacific Ocean from CALJET-1998 and PACJET-2001: Mean Vertical-Profile and Atmospheric-River Characteristics. <i>Monthly Weather Review</i> , 2005 , 133, 889-910	2.4	212
137	Interpretation of Enhanced Integrated Water Vapor Bands Associated with Extratropical Cyclones: Their Formation and Connection to Tropical Moisture. <i>Monthly Weather Review</i> , 2006 , 134, 1063-1080	2.4	207
136	Storms, floods, and the science of atmospheric rivers. <i>Eos</i> , 2011 , 92, 265-266	1.5	190
135	The Statistical Relationship between Upslope Flow and Rainfall in California's Coastal Mountains: Observations during CALJET. <i>Monthly Weather Review</i> , 2002 , 130, 1468-1492	2.4	187
134	Observed Impacts of Duration and Seasonality of Atmospheric-River Landfalls on Soil Moisture and Runoff in Coastal Northern California. <i>Journal of Hydrometeorology</i> , 2013 , 14, 443-459	3.7	185
133	Diagnosis of an Intense Atmospheric River Impacting the Pacific Northwest: Storm Summary and Offshore Vertical Structure Observed with COSMIC Satellite Retrievals. <i>Monthly Weather Review</i> , 2008 , 136, 4398-4420	2.4	163
132	A Multiscale Observational Case Study of a Pacific Atmospheric River Exhibiting Tropical-Extratropical Connections and a Mesoscale Frontal Wave. <i>Monthly Weather Review</i> , 2011 , 139, 1169-1189	2.4	161
131	Historical and National Perspectives on Extreme West Coast Precipitation Associated with Atmospheric Rivers during December 2010. <i>Bulletin of the American Meteorological Society</i> , 2012 , 93, 783-790	6.1	156
130	Physical Processes Associated with Heavy Flooding Rainfall in Nashville, Tennessee, and Vicinity during 12 May 2010: The Role of an Atmospheric River and Mesoscale Convective Systems. <i>Monthly Weather Review</i> , 2012 , 140, 358-378	2.4	150
129	A Scale to Characterize the Strength and Impacts of Atmospheric Rivers. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 269-289	6.1	148

128	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): project goals and experimental design. <i>Geoscientific Model Development</i> , 2018 , 11, 2455-2474	6.3	144
127	Assessing the climate-scale variability of atmospheric rivers affecting western North America. <i>Geophysical Research Letters</i> , 2017 , 44, 7900-7908	4.9	125
126	An Automated Brightband Height Detection Algorithm for Use with Doppler Radar Spectral Moments. <i>Journal of Atmospheric and Oceanic Technology</i> , 2002 , 19, 687-697	2	115
125	Defining "Atmospheric River" How the Glossary of Meteorology Helped Resolve a Debate. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 837-839	6.1	114
124	Rain versus Snow in the Sierra Nevada, California: Comparing Doppler Profiling Radar and Surface Observations of Melting Level. <i>Journal of Hydrometeorology</i> , 2008 , 9, 194-211	3.7	113
123	Global Analysis of Climate Change Projection Effects on Atmospheric Rivers. <i>Geophysical Research Letters</i> , 2018 , 45, 4299-4308	4.9	106
122	The Development and Evolution of Two Atmospheric Rivers in Proximity to Western North Pacific Tropical Cyclones in October 2010. <i>Monthly Weather Review</i> , 2013 , 141, 4234-4255	2.4	98
121	The Landfall and Inland Penetration of a Flood-Producing Atmospheric River in Arizona. Part I: Observed Synoptic-Scale, Orographic, and Hydrometeorological Characteristics. <i>Journal of Hydrometeorology</i> , 2013 , 14, 460-484	3.7	96
120	Relative Contributions of Synoptic and Low-Frequency Eddies to Time-Mean Atmospheric Moisture Transport, Including the Role of Atmospheric Rivers. <i>Journal of Climate</i> , 2012 , 25, 7341-7361	4.4	91
119	Climate change intensification of horizontal water vapor transport in CMIP5. <i>Geophysical Research Letters</i> , 2015 , 42, 5617-5625	4.9	88
118	Continental heat anomalies and the extreme melting of the Greenland ice surface in 2012 and 1889. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 6520-6536	4.4	87
117	Responses and impacts of atmospheric rivers to climate change. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 143-157	30.2	82
116	Precipitation regime change in Western North America: The role of Atmospheric Rivers. <i>Scientific Reports</i> , 2019 , 9, 9944	4.9	82
115	Evaluation of Forecasts of the Water Vapor Signature of Atmospheric Rivers in Operational Numerical Weather Prediction Models. <i>Weather and Forecasting</i> , 2013 , 28, 1337-1352	2.1	81
114	Detection of Asian dust in California orographic precipitation. <i>Journal of Geophysical Research</i> , 2011 , 116,		81
113	Atmospheric Rivers Emerge as a Global Science and Applications Focus. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1969-1973	6.1	78
112	Modification of Fronts and Precipitation by Coastal Blocking during an Intense Landfalling Winter Storm in Southern California: Observations during CALJET. <i>Monthly Weather Review</i> , 2004 , 132, 242-273	2.4	78
111	CalWater Field Studies Designed to Quantify the Roles of Atmospheric Rivers and Aerosols in Modulating U.S. West Coast Precipitation in a Changing Climate. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 1209-1228	6.1	77

110	Impacts of Atmospheric Rivers on Precipitation in Southern South America. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1671-1687	3.7	76
109	The Inland Penetration of Atmospheric Rivers over Western North America: A Lagrangian Analysis. <i>Monthly Weather Review</i> , 2015 , 143, 1924-1944	2.4	75
108	The Atmospheric River Tracking Method Intercomparison Project (ARTMIP): Quantifying Uncertainties in Atmospheric River Climatology. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 13777-13802	4.4	75
107	Raindrop Size Distributions and Rain Characteristics in California Coastal Rainfall for Periods with and without a Radar Bright Band. <i>Journal of Hydrometeorology</i> , 2008 , 9, 408-425	3.7	74
106	Hourly storm characteristics along the U.S. West Coast: Role of atmospheric rivers in extreme precipitation. <i>Geophysical Research Letters</i> , 2017 , 44, 7020-7028	4.9	69
105	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 2166-2176	8.1	67
104	Hydrometeorological characteristics of rain-on-snow events associated with atmospheric rivers. <i>Geophysical Research Letters</i> , 2016 , 43, 2964-2973	4.9	67
103	Dropsonde Observations of Total Integrated Water Vapor Transport within North Pacific Atmospheric Rivers. <i>Journal of Hydrometeorology</i> , 2017 , 18, 2577-2596	3.7	65
102	The Relationship Between Extratropical Cyclone Strength and Atmospheric River Intensity and Position. <i>Geophysical Research Letters</i> , 2019 , 46, 1814-1823	4.9	62
101	Predictability of horizontal water vapor transport relative to precipitation: Enhancing situational awareness for forecasting western U.S. extreme precipitation and flooding. <i>Geophysical Research Letters</i> , 2016 , 43, 2275-2282	4.9	57
100	Linking Atmospheric River Hydrological Impacts on the U.S. West Coast to Rossby Wave Breaking. <i>Journal of Climate</i> , 2017 , 30, 3381-3399	4.4	56
99	Global Assessment of Atmospheric River Prediction Skill. <i>Journal of Hydrometeorology</i> , 2018 , 19, 409-426	3.7	55
98	A Twenty-First-Century California Observing Network for Monitoring Extreme Weather Events. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013 , 30, 1585-1603	2	55
97	An Intercomparison between Reanalysis and Dropsonde Observations of the Total Water Vapor Transport in Individual Atmospheric Rivers. <i>Journal of Hydrometeorology</i> , 2018 , 19, 321-337	3.7	54
96	Synoptic conditions associated with cool season post-fire debris flows in the Transverse Ranges of southern California. <i>Natural Hazards</i> , 2017 , 88, 327-354	3	54
95	ARTMIP-early start comparison of atmospheric river detection tools: how many atmospheric rivers hit northern California's Russian River watershed?. <i>Climate Dynamics</i> , 2019 , 52, 4973-4994	4.2	54
94	Atmospheric rivers drive flood damages in the western United States. <i>Science Advances</i> , 2019 , 5, eaax4631	4.3	51
93	Developing a Performance Measure for Snow-Level Forecasts. <i>Journal of Hydrometeorology</i> , 2010 , 11, 739-753	3.7	50

92	The Emergence of Weather-Related Test Beds Linking Research and Forecasting Operations. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 1187-1211	6.1	48
91	A water vapour flux tool for precipitation forecasting. <i>Water Management</i> , 2009 , 162, 83-94	1	48
90	Sierra Barrier Jets, Atmospheric Rivers, and Precipitation Characteristics in Northern California: A Composite Perspective Based on a Network of Wind Profilers. <i>Monthly Weather Review</i> , 2013 , 141, 4211-4233	2.4	45
89	Assessment of Extreme Quantitative Precipitation Forecasts and Development of Regional Extreme Event Thresholds Using Data from HMT-2006 and COOP Observers. <i>Journal of Hydrometeorology</i> , 2010 , 11, 1286-1304	3.7	45
88	The Role of Atmospheric Rivers in Extratropical and Polar Hydroclimate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6804-6821	4.4	45
87	Brief communication: Meteorological and climatological conditions associated with the 9 January 2018 post-fire debris flows in Montecito and Carpinteria, California, USA. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 3037-3043	3.9	42
86	Global evaluation of atmospheric river subseasonal prediction skill. <i>Climate Dynamics</i> , 2019 , 52, 3039-3060	4.0	39
85	A Seven-Year Wind Profiler-Based Climatology of the Windward Barrier Jet along California's Northern Sierra Nevada. <i>Monthly Weather Review</i> , 2010 , 138, 1206-1233	2.4	36
84	Evaluation of Atmospheric River Predictions by the WRF Model Using Aircraft and Regional Mesonet Observations of Orographic Precipitation and Its Forcing. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1097-1113	3.7	33
83	Impact of interannual variations in sources of insoluble aerosol species on orographic precipitation over California's central Sierra Nevada. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6535-6548	6.8	31
82	Landfalling Atmospheric Rivers, the Sierra Barrier Jet, and Extreme Daily Precipitation in Northern California's Upper Sacramento River Watershed. <i>Journal of Hydrometeorology</i> , 2016 , 17, 1905-1914	3.7	30
81	Forecasting Atmospheric Rivers during CalWater 2015. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 449-459	6.1	29
80	Chemical properties of insoluble precipitation residue particles. <i>Journal of Aerosol Science</i> , 2014 , 76, 13-27	4.3	28
79	Genesis, Pathways, and Terminations of Intense Global Water Vapor Transport in Association with Large-Scale Climate Patterns. <i>Geophysical Research Letters</i> , 2017 , 44, 12,465	4.9	28
78	The Impacts of California's San Francisco Bay Area Gap on Precipitation Observed in the Sierra Nevada during HMT and CalWater. <i>Journal of Hydrometeorology</i> , 2015 , 16, 1048-1069	3.7	27
77	NOAA's Rapid Response to the Howard A. Hanson Dam Flood Risk Management Crisis. <i>Bulletin of the American Meteorological Society</i> , 2012 , 93, 189-207	6.1	25
76	Atmospheric rivers impacting Northern California and their modulation by a variable climate. <i>Climate Dynamics</i> , 2019 , 52, 6569-6583	4.2	24
75	A 22-Year Climatology of Cool Season Hourly Precipitation Thresholds Conducive to Shallow Landslides in California. <i>Earth Interactions</i> , 2018 , 22, 1-35	1.5	24

74	Experimental Subseasonal-to-Seasonal (S2S) Forecasting of Atmospheric Rivers Over the Western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 11242-11265	4.4	23
73	Improving Atmospheric River Forecasts With Machine Learning. <i>Geophysical Research Letters</i> , 2019 , 46, 10627-10635	4.9	22
72	Forecast Informed Reservoir Operations Using Ensemble Streamflow Predictions for a Multipurpose Reservoir in Northern California. <i>Water Resources Research</i> , 2020 , 56, e2019WR026604	5.4	21
71	Circulation Drivers of Atmospheric Rivers at the North American West Coast. <i>Geophysical Research Letters</i> , 2018 , 45, 12,576	4.9	21
70	Ridging Associated with Drought across the Western and Southwestern United States: Characteristics, Trends, and Predictability Sources. <i>Journal of Climate</i> , 2020 , 33, 2485-2508	4.4	20
69	An Airborne and Ground-Based Study of a Long-Lived and Intense Atmospheric River with Mesoscale Frontal Waves Impacting California during CalWater-2014. <i>Monthly Weather Review</i> , 2016 , 144, 1115-1144	2.4	20
68	Characterizing drought in California: new drought indices and scenario-testing in support of resource management. <i>Ecological Processes</i> , 2018 , 7,	3.6	20
67	Intercomparison of integrated water vapor retrievals from SSM/I and COSMIC. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	20
66	Synoptic and Mesoscale Forcing of Southern California Extreme Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,714	4.4	20
65	Assessment of Numerical Weather Prediction Model Reforecasts of the Occurrence, Intensity, and Location of Atmospheric Rivers along the West Coast of North America. <i>Monthly Weather Review</i> , 2018 , 146, 3343-3362	2.4	20
64	The Gauging and Modeling of Rivers in the Sky. <i>Geophysical Research Letters</i> , 2018 , 45, 7828-7834	4.9	19
63	The Regional Influence of an Intense Sierra Barrier Jet and Landfalling Atmospheric River on Orographic Precipitation in Northern California: A Case Study. <i>Journal of Hydrometeorology</i> , 2014 , 15, 1419-1439	3.7	19
62	Empirical Return Periods of the Most Intense Vapor Transports during Historical Atmospheric River Landfalls on the U.S. West Coast. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1363-1377	3.7	19
61	Assimilation of GPS Radio Occultation Data for an Intense Atmospheric River with the NCEP Regional GSI System. <i>Monthly Weather Review</i> , 2011 , 139, 2170-2183	2.4	18
60	An Airborne Study of an Atmospheric River over the Subtropical Pacific during WISPAR: Dropsonde Budget-Box Diagnostics and Precipitation Impacts in Hawaii. <i>Monthly Weather Review</i> , 2014 , 142, 3199-3223	2.4	17
59	West Coast Forecast Challenges and Development of Atmospheric River Reconnaissance. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1357-E1377	6.1	17
58	Adjoint Sensitivity of North Pacific Atmospheric River Forecasts. <i>Monthly Weather Review</i> , 2019 , 147, 1871-1897	2.4	16
57	Extreme Runoff Generation From Atmospheric River Driven Snowmelt During the 2017 Oroville Dam Spillways Incident. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088189	4.9	15

56	GPM Satellite Radar Measurements of Precipitation and Freezing Level in Atmospheric Rivers: Comparison With Ground-Based Radars and Reanalyses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 12,747	4.4	15
55	Atmospheric River Families: Definition and Associated Synoptic Conditions. <i>Journal of Hydrometeorology</i> , 2019 , 20, 2091-2108	3.7	14
54	Hourly Analyses of the Large Storms and Atmospheric Rivers that Provide Most of California's Precipitation in Only 10 to 100 Hours per Year. <i>San Francisco Estuary and Watershed Science</i> , 2018 , 16,	1.4	13
53	The Role of Hydrological Initial Conditions on Atmospheric River Floods in the Russian River Basin. <i>Journal of Hydrometeorology</i> , 2019 , 20, 1667-1686	3.7	11
52	Atmospheric River Reconnaissance Observation Impact in the Navy Global Forecast System. <i>Monthly Weather Review</i> , 2020 , 148, 763-782	2.4	11
51	Observations of an Extreme Atmospheric River Storm With a Diverse Sensor Network. <i>Earth and Space Science</i> , 2020 , 7, e2020EA001129	3.1	11
50	Defining Uncertainties through Comparison of Atmospheric River Tracking Methods. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, ES93-ES96	6.1	11
49	Floods due to Atmospheric Rivers along the U.S. West Coast: The Role of Antecedent Soil Moisture in a Warming Climate. <i>Journal of Hydrometeorology</i> , 2020 , 21, 1827-1845	3.7	10
48	Advances in the application and utility of subseasonal-to-seasonal predictions. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-57	6.1	9
47	Rapid Cyclogenesis from a Mesoscale Frontal Wave on an Atmospheric River: Impacts on Forecast Skill and Predictability during Atmospheric River Landfall. <i>Journal of Hydrometeorology</i> , 2019 , 20, 1779-1794	3.7	8
46	Contrasting local and long-range-transported warm ice-nucleating particles during an atmospheric river in coastal California, USA. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 4193-4210	6.8	8
45	GPM Satellite Radar Observations of Precipitation Mechanisms in Atmospheric Rivers. <i>Monthly Weather Review</i> , 2020 , 148, 1449-1463	2.4	8
44	Observations and Predictability of a High-Impact Narrow Cold-Frontal Rainband over Southern California on 2 February 2019. <i>Weather and Forecasting</i> , 2020 , 35, 2083-2097	2.1	8
43	Forecast Errors and Uncertainties in Atmospheric Rivers. <i>Weather and Forecasting</i> , 2020 , 35, 1447-1458	2.1	8
42	A Case Study of the Physical Processes Associated with the Atmospheric River Initial-Condition Sensitivity from an Adjoint Model. <i>Journals of the Atmospheric Sciences</i> , 2020 , 77, 691-709	2.1	8
41	Increases in Future AR Count and Size: Overview of the ARTMIP Tier 2 CMIP5/6 Experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127,	4.4	8
40	Drosonde Observations of the Ageostrophy within the Pre-Cold-Frontal Low-Level Jet Associated with Atmospheric Rivers. <i>Monthly Weather Review</i> , 2020 , 148, 1389-1406	2.4	7
39	Skill of Rain/Snow Level Forecasts for Landfalling Atmospheric Rivers: A Multimodel Assessment Using California's Network of Vertically Profiling Radars. <i>Journal of Hydrometeorology</i> , 2020 , 21, 751-771	3.7	7

38	Improved forecasts of atmospheric rivers through systematic reconnaissance, better modelling, and insights on conversion of rain to flooding. <i>Communications Earth & Environment</i> , 2020 , 1,	6.1	7
37	Data Gaps within Atmospheric Rivers over the Northeastern Pacific. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, E492-E524	6.1	7
36	The Hydrometeorological Observation Network in California's Russian River Watershed: Development, Characteristics, and Key Findings from 1997 to 2019. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1781-E1800	6.1	6
35	The Use of Snow-Level Observations Derived from Vertically Profiling Radars to Assess Hydrometeorological Characteristics and Forecasts over Washington's Green River Basin. <i>Journal of Hydrometeorology</i> , 2014 , 15, 2522-2541	3.7	6
34	Freezing Level Forecast Error Can Consume Reservoir Flood Control Storage: Potentials for Lake Oroville and New Bullards Bar Reservoirs in California. <i>Water Resources Research</i> , 2020 , 56, e2020WR027072	5.4	6
33	A multimodel evaluation of the water vapor budget in atmospheric rivers. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1472, 139-154	6.5	5
32	Recent Changes in United States Extreme 3-Day Precipitation Using the R-CAT Scale. <i>Journal of Hydrometeorology</i> , 2020 , 21, 1207-1221	3.7	5
31	European West Coast atmospheric rivers: A scale to characterize strength and impacts. <i>Weather and Climate Extremes</i> , 2021 , 31, 100305	6	5
30	The Influence of Antecedent Atmospheric River Conditions on Extratropical Cyclogenesis. <i>Monthly Weather Review</i> , 2021 , 149, 1337-1357	2.4	5
29	2018 International Atmospheric Rivers Conference: Multi-disciplinary studies and high-impact applications of atmospheric rivers. <i>Atmospheric Science Letters</i> , 2019 , 20, e935	2.4	4
28	Structure, Process, and Mechanism 2020 , 15-43		4
27	Four Atmospheric Circulation Regimes Over the North Pacific and Their Relationship to California Precipitation on Daily to Seasonal Timescales. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087609	4.9	3
26	The Chiricahua Gap and the Role of Easterly Water Vapor Transport in Southeastern Arizona Monsoon Precipitation. <i>Journal of Hydrometeorology</i> , 2017 , 18, 2511-2520	3.7	3
25	Characteristics, Origins, and Impacts of Summertime Extreme Precipitation in the Lake Mead Watershed. <i>Journal of Climate</i> , 2020 , 33, 2663-2680	4.4	3
24	The Observed Water Vapor Budget in an Atmospheric River over the Northeast Pacific. <i>Journal of Hydrometeorology</i> , 2020 , 21, 2655-2673	3.7	3
23	The Future of Atmospheric River Research and Applications 2020 , 219-247		3
22	A Summary of GFS Ensemble Integrated Water Vapor Transport Forecasts and Skill along the U.S. West Coast during Water Years 2017-20. <i>Weather and Forecasting</i> , 2021 , 36, 361-377	2.1	3
21	A soil moisture monitoring network to assess controls on runoff generation during atmospheric river events. <i>Hydrological Processes</i> , 2021 , 35,	3.3	3

20	Representation of Dropsonde-Observed Atmospheric River Conditions in Reanalyses. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093357	4.9	3
19	Dusty Atmospheric Rivers: Characteristics and Origins. <i>Journal of Climate</i> , 2020 , 33, 9749-9762	4.4	2
18	Evaluating the Meteorological Conditions Associated With Dusty Atmospheric Rivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035403	4.4	2
17	Multi-GNSS Airborne Radio Occultation Observations as a Complement to Dropsondes in Atmospheric River Reconnaissance. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034865	4.4	2
16	Global and Regional Perspectives 2020 , 89-140		2
15	Atmospheric River Sectors: Definition and Characteristics Observed Using Dropsondes from 2014-20 CalWater and AR Recon. <i>Monthly Weather Review</i> , 2021 , 149, 623-644	2.4	2
14	The Role of Air-Sea Interactions in Atmospheric Rivers: Case Studies Using the SKRIPS Regional Coupled Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD032885	4.4	2
13	Modulation of Atmospheric Rivers by Mesoscale Frontal Waves and Latent Heating: Comparison of Two U.S. West Coast Events. <i>Monthly Weather Review</i> , 2021 , 149, 2755-2776	2.4	2
12	Genesis Locations of the Costliest Atmospheric Rivers Impacting the Western United States. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093947	4.9	2
11	Training the Next Generation of Researchers in the Science and Application of Atmospheric Rivers. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E738-E743	6.1	1
10	A Climatology of Narrow Cold-Frontal Rainbands in Southern California. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
9	Applications of Knowledge and Predictions of Atmospheric Rivers 2020 , 201-218		1
8	Improved Forecast Skill Through the Assimilation of Dropsonde Observations From the Atmospheric River Reconnaissance Program. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034967	4.4	1
7	Special Issue on the ARkStorm Scenario: California's Other Big One. <i>Natural Hazards Review</i> , 2016 , 17,	3.5	1
6	Atmospheric River Tracking Method Intercomparison Project (ARTMIP): Project Goals and Experimental Design 2018 ,		1
5	Large-Scale Environments of Successive Atmospheric River Events Leading to Compound Precipitation Extremes in California. <i>Journal of Climate</i> , 2022 , 35, 1515-1536	4.4	0
4	Influence of Dust on Precipitation During Landfalling Atmospheric Rivers in an Idealized Framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034813	4.4	0
3	Increasing Stormwater Capture and Recharge Using Forecast Informed Reservoir Operations, Prado Dam.. <i>Ground Water</i> , 2021 ,	2.4	

2 Observing and Detecting Atmospheric Rivers **2020**, 45-87

1 Atmospheric River Reconnaissance Workshop Promotes Research and Operations Partnership.
Bulletin of the American Meteorological Society, **2022**, 103, E810-E816

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