James A Smith

List of Publications by Year
in descending order

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168 papers	10,389 citations	20817 60 h-index	40979 93 g-index
169 all docs	169 docs citations	169 times ranked	6905 citing authors

#	Article	IF	Citations
1	On the stationarity of annual flood peaks in the continental United States during the 20th century. Water Resources Research, 2009, 45, .	4.2	376
2	Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. Nature, 2018, 563, 384-388.	27.8	375
3	Flood frequency analysis for nonstationary annual peak records in an urban drainage basin. Advances in Water Resources, 2009, 32, 1255-1266.	3.8	359
4	An Intercomparison Study of NEXRAD Precipitation Estimates. Water Resources Research, 1996, 32, 2035-2045.	4.2	308
5	Effect of bias adjustment and rain gauge data quality control on radar rainfall estimation. Water Resources Research, 1999, 35, 2487-2503.	4.2	227
6	Flood peak distributions for the eastern United States. Water Resources Research, 2010, 46, .	4.2	218
7	Risk assessment of hurricane storm surge for New York City. Journal of Geophysical Research, 2010, 115, .	3.3	213
8	On the frequency of heavy rainfall for the Midwest of the United States. Journal of Hydrology, 2011, 400, 103-120.	5.4	197
9	Estimation of the Mean Field Bias of Radar Rainfall Estimates. Journal of Applied Meteorology and Climatology, 1991, 30, 397-412.	1.7	194
10	Use of Three-Dimensional Reflectivity Structure for Automated Detection and Removal of Nonprecipitating Echoes in Radar Data. Journal of Atmospheric and Oceanic Technology, 2002, 19, 673-686.	1.3	178
11	The Regional Hydrology of Extreme Floods in an Urbanizing Drainage Basin. Journal of Hydrometeorology, 2002, 3, 267-282.	1.9	141
12	Changing Frequency of Heavy Rainfall over the Central United States. Journal of Climate, 2013, 26, 351-357.	3.2	139
13	Variability of Raindrop Size Distributions in a Squall Line and Implications for Radar Rainfall Estimation. Journal of Hydrometeorology, 2003, 4, 43-61.	1.9	138
14	Rainfall Estimation by the WSR-88D for Heavy Rainfall Events. Weather and Forecasting, 1998, 13, 416-436.	1.4	136
15	Catastrophic rainfall from an upslope thunderstorm in the central Appalachians: The Rapidan Storm of June 27, 1995. Water Resources Research, 1996, 32, 3099-3113.	4.2	134
16	Mixture Distributions and the Hydroclimatology of Extreme Rainfall and Flooding in the Eastern United States. Journal of Hydrometeorology, 2011, 12, 294-309.	1.9	133
17	Estimation of Convective Rainfall from Lightning Observations. Journal of Applied Meteorology and Climatology, 1998, 37, 1497-1509.	1.7	132
18	Urbanization, climate change and flood policy in the United States. Climatic Change, 2010, 103, 597-616.	3.6	127

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19	Representation of basin scale in flood peak distributions. Water Resources Research, 1992, 28, 2993-2999.	4.2	124
20	Stochastic modeling of flood peaks using the generalized extreme value distribution. Water Resources Research, 2002, 38, 41-1-41-12.	4.2	123
21	A Microphysical Interpretation of Radar Reflectivityâ€“Rain Rate Relationships. Journals of the Atmospheric Sciences, 2004, 61, 1114-1131.	1.7	123
22	Examining Flood Frequency Distributions in the Midwest U.S.1. Journal of the American Water Resources Association, 2011, 47, 447-463.	2.4	118
23	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. Climate Dynamics, 2019, 53, 5999-6033.	3.8	114
24	Analyses of Urban Drainage Network Structure and its Impact on Hydrologic Response¹. Journal of the American Water Resources Association, 2010, 46, 932-943.	2.4	108
25	Field studies of the storm event hydrologic response in an urbanizing watershed. Water Resources Research, 2005, 41, .	4.2	107
26	North Atlantic Tropical Cyclones and U.S. Flooding. Bulletin of the American Meteorological Society, 2014, 95, 1381-1388.	3.3	107
27	Development and evaluation of a mosaic approach in the WRFâ€Noah framework. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,918.	3.3	106
28	Modeling the Dependence of Tropical Storm Counts in the North Atlantic Basin on Climate Indices. Monthly Weather Review, 2010, 138, 2681-2705.	1.4	100
29	Reflectivity, Rain Rate, and Kinetic Energy Flux Relationships Based on Raindrop Spectra. Journal of Applied Meteorology and Climatology, 2000, 39, 1923-1940.	1.7	97
30	Radar rainfall estimation for flash flood forecasting in small urban watersheds. Advances in Water Resources, 2007, 30, 2087-2097.	3.8	96
31	Characterization of rainfall distribution and flooding associated with U.S. landfalling tropical cyclones: Analyses of Hurricanes Frances, Ivan, and Jeanne (2004). Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	93
32	Extreme Rainfall and Flooding from Supercell Thunderstorms. Journal of Hydrometeorology, 2001, 2, 469-489.	1.9	88
33	Flood frequency analysis using radar rainfall fields and stochastic storm transposition. Water Resources Research, 2014, 50, 1592-1615.	4.2	87
34	Analyses of extreme flooding in Austria over the period 1951â€“2006. International Journal of Climatology, 2012, 32, 1178-1192.	3.5	86
35	Urban signatures in the spatial clustering of summer heavy rainfall events over the Beijing metropolitan region. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1203-1217.	3.3	86
36	Modeling Extreme Rainfall, Winds, and Surge from Hurricane Isabel (2003). Weather and Forecasting, 2010, 25, 1342-1361.	1.4	85

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37	Evolution of channel morphology and hydrologic response in an urbanizing drainage basin. Earth Surface Processes and Landforms, 2006, 31, 1063-1079.	2.5	83
38	The effects of aerosols on intense convective precipitation in the northeastern United States. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1367-1391.	2.7	83
39	Extreme Flood Response: The June 2008 Flooding in Iowa. Journal of Hydrometeorology, 2013, 14, 1810-1825.	1.9	82
40	Extraordinary Flood Response of a Small Urban Watershed to Short-Duration Convective Rainfall. Journal of Hydrometeorology, 2005, 6, 599-617.	1.9	80
41	Urbanization and Climate Change: An Examination of Nonstationarities in Urban Flooding. Journal of Hydrometeorology, 2013, 14, 1791-1809.	1.9	79
42	Estimating the frequency of extreme rainfall using weather radar and stochastic storm transposition. Journal of Hydrology, 2013, 488, 150-165.	5.4	78
43	Realistic Representation of Trees in an Urban Canopy Model. Boundary-Layer Meteorology, 2016, 159, 193-220.	2.3	78
44	Assessing Compound Flooding From Landfalling Tropical Cyclones on the North Carolina Coast. Water Resources Research, 2020, 56, e2019WR026788.	4.2	76
45	A point process model of summer season rainfall occurrences. Water Resources Research, 1983, 19, 95-103.	4.2	75
46	Catastrophic Rainfall and Flooding in Texas. Journal of Hydrometeorology, 2000, 1, 5-25.	1.9	74
47	Impact of Urbanization on Heavy Convective Precipitation under Strong Large-Scale Forcing: A Case Study over the Milwaukeeâ€“Lake Michigan Region. Journal of Hydrometeorology, 2014, 15, 261-278.	1.9	74
48	Estimating the upper tail of flood frequency distributions. Water Resources Research, 1987, 23, 1657-1666.	4.2	73
49	Tropical storms and the flood hydrology of the central Appalachians. Water Resources Research, 2001, 37, 2143-2168.	4.2	73
50	The Spatial Dependence of Flood Hazard and Risk in the United States. Water Resources Research, 2019, 55, 1890-1911.	4.2	72
51	Extreme hydrometeorological events and the urban environment: Dissecting the 7 July 2004 thunderstorm over the Baltimore MD Metropolitan Region. Water Resources Research, 2008, 44, .	4.2	70
52	A Spatially-Analytical Scheme for Surface Temperatures and Conductive Heat Fluxes in Urban Canopy Models. Boundary-Layer Meteorology, 2011, 138, 171-193.	2.3	70
53	Towards better utilization of NEXRAD data in hydrology: an overview of Hydro-NEXRAD. Journal of Hydroinformatics, 2011, 13, 255-266.	2.4	70
54	Analyses of a longâ€term, highâ€resolution radar rainfall data set for the Baltimore metropolitan region. Water Resources Research, 2012, 48, .	4.2	69

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55	Spectrum of storm event hydrologic response in urban watersheds. Water Resources Research, 2013, 49, 2649-2663.	4.2	69
56	Strange Floods: The Upper Tail of Flood Peaks in the United States. Water Resources Research, 2018, 54, 6510-6542.	4.2	69
57	The Microphysical Structure of Extreme Precipitation as Inferred from Ground-Based Raindrop Spectra. Journals of the Atmospheric Sciences, 2003, 60, 1220-1238.	1.7	66
58	Modeling Land Surface Processes and Heavy Rainfall in Urban Environments: Sensitivity to Urban Surface Representations. Journal of Hydrometeorology, 2013, 14, 1098-1118.	1.9	66
59	Causes of large projected increases in hurricane precipitation rates with global warming. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	66
60	Radar analyses of extreme rainfall and flooding in urban drainage basins. Journal of Hydrology, 2010, 381, 266-286.	5.4	65
61	Urbanization and Rainfall Variability in the Beijing Metropolitan Region. Journal of Hydrometeorology, 2014, 15, 2219-2235.	1.9	62
62	Urban Impacts on Extreme Monsoon Rainfall and Flooding in Complex Terrain. Geophysical Research Letters, 2019, 46, 5918-5927.	4.0	61
63	Climatological Analyses of Thunderstorms and Flash Floods in the Baltimore Metropolitan Region. Journal of Hydrometeorology, 2007, 8, 88-101.	1.9	60
64	Hydrologic modeling of extreme floods using radar rainfall estimates. Advances in Water Resources, 2003, 26, 195-203.	3.8	59
65	New paradigm for statistical validation of satellite precipitation estimates: Application to a large sample of the TMPA 0.25Â° 3â€hourly estimates over Oklahoma. Journal of Geophysical Research, 2009, 114, .	3.3	59
66	On the temporal clustering of US floods and its relationship to climate teleconnection patterns. International Journal of Climatology, 2013, 33, 629-640.	3.5	59
67	Regional climate model projections of rainfall from U.S. landfalling tropical cyclones. Climate Dynamics, 2015, 45, 3365-3379.	3.8	58
68	Attenuating reaches and the regional flood response of an urbanizing drainage basin. Advances in Water Resources, 2003, 26, 673-684.	3.8	53
69	Variability of rainfall rate and raindrop size distributions in heavy rain. Water Resources Research, 2009, 45, .	4.2	53
70	Hydroclimatology of flash flooding in Atlanta. Water Resources Research, 2012, 48, .	4.2	53
71	Parameter Estimation for a Model of Spaceâ€Time Rainfall. Water Resources Research, 1985, 21, 1251-1257.	4.2	52
72	The Flashiest Watersheds in the Contiguous United States. Journal of Hydrometeorology, 2015, 16, 2365-2381.	1.9	52

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73	Is the recorded increase in short-duration North Atlantic tropical storms spurious?. Journal of Geophysical Research, 2011, 116, .	3.3	51
74	North Atlantic Tropical Storm Frequency Response to Anthropogenic Forcing: Projections and Sources of Uncertainty. Journal of Climate, 2011, 24, 3224-3238.	3.2	51
75	Convective versus stratiform rainfall: An ice-microphysical and kinematic conceptual model. Atmospheric Research, 1998, 47-48, 317-326.	4.1	50
76	Annual maximum and peaks-over-threshold analyses of daily rainfall accumulations for Austria. Journal of Geophysical Research, 2011, 116, .	3.3	49
77	Radar-rainfall estimation algorithms of Hydro-NEXRAD. Journal of Hydroinformatics, 2011, 13, 277-291.	2.4	48
78	Changes in seasonal maximum daily precipitation in China over the period 1961â€“2006. International Journal of Climatology, 2013, 33, 1646-1657.	3.5	47
79	Assessing Hurricane Rainfall Mechanisms Using a Physics-Based Model: Hurricanes Isabel (2003) and Irene (2011). Journals of the Atmospheric Sciences, 2018, 75, 2337-2358.	1.7	47
80	Synoptic-Scale Control over Modern Rainfall and Flood Patterns in the Levant Drylands with Implications for Past Climates. Journal of Hydrometeorology, 2018, 19, 1077-1096.	1.9	47
81	Spaceâ€“Time Variability of Rainfall and Extreme Flood Response in the Menomonee River Basin, Wisconsin. Journal of Hydrometeorology, 2003, 4, 506-517.	1.9	46
82	U.S. Landfalling and North Atlantic Hurricanes: Statistical Modeling of Their Frequencies and Ratios. Monthly Weather Review, 2012, 140, 44-65.	1.4	46
83	Influence of Subfacet Heterogeneity and Material Properties on the Urban Surface Energy Budget. Journal of Applied Meteorology and Climatology, 2014, 53, 2114-2129.	1.5	45
84	Exploring storage and runoff generation processes for urban flooding through a physically based watershed model. Water Resources Research, 2015, 51, 1552-1569.	4.2	45
85	The Present-Day Simulation and Twenty-First-Century Projection of the Climatology of Extratropical Transition in the North Atlantic. Journal of Climate, 2017, 30, 2739-2756.	3.2	45
86	Marked Point Process Models of Raindrop-Size Distributions. Journal of Applied Meteorology and Climatology, 1993, 32, 284-296.	1.7	44
87	The Hydrology and Hydrometeorology of Flooding in the Delaware River Basin. Journal of Hydrometeorology, 2010, 11, 841-859.	1.9	44
88	Critical Examination of Area Reduction Factors. Journal of Hydrologic Engineering - ASCE, 2014, 19, 769-776.	1.9	44
89	Typhoon Nina and the August 1975 Flood over Central China. Journal of Hydrometeorology, 2017, 18, 451-472.	1.9	43
90	The complexities of urban flood response: Flood frequency analyses for the Charlotte metropolitan region. Water Resources Research, 2017, 53, 7401-7425.	4.2	43

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91	The hydrology and hydrometeorology of extreme floods in the Great Plains of Eastern Nebraska. Advances in Water Resources, 2001, 24, 1037-1049.	3.8	41
92	Longâ€Term Highâ€Resolution Radar Rainfall Fields for Urban Hydrology. Journal of the American Water Resources Association, 2014, 50, 713-734.	2.4	40
93	Flash flooding in small urban watersheds: Storm event hydrologic response. Water Resources Research, 2016, 52, 4571-4589.	4.2	40
94	The Influence of Land Surface Heterogeneities on Heavy Convective Rainfall in the Baltimoreâ€“Washington Metropolitan Area. Monthly Weather Review, 2016, 144, 553-573.	1.4	40
95	Scaling Properties of Flood Peaks. Extremes, 2001, 4, 5-22.	1.0	37
96	Heterogeneity of Hydrologic Response in Urban Watersheds¹. Journal of the American Water Resources Association, 2010, 46, 1221-1237.	2.4	37
97	Projection of Landfallingâ€“Tropical Cyclone Rainfall in the Eastern United States under Anthropogenic Warming. Journal of Climate, 2018, 31, 7269-7286.	3.2	37
98	The role of catastrophic geomorphic events in central Appalachian landscape evolution. Geomorphology, 1989, 2, 257-284.	2.6	36
99	The Influence of Rainfall and Catchment Critical Scales on Urban Hydrological Response Sensitivity. Water Resources Research, 2019, 55, 3375-3390.	4.2	35
100	Tropical cyclones and the flood hydrology of Puerto Rico. Water Resources Research, 2005, 41, .	4.2	34
101	The SpaceÂ–Time Structure of Extreme Storm Rainfall in the Southern Plains. Journal of Applied Meteorology and Climatology, 1994, 33, 1402-1417.	1.7	33
102	Catastrophic flooding from an orographic thunderstorm in the central Appalachians. Water Resources Research, 2005, 41, .	4.2	33
103	Flash Flood Forecasting for Small Urban Watersheds in the Baltimore Metropolitan Region. Weather and Forecasting, 2007, 22, 1331-1344.	1.4	32
104	Extreme rainfall and flooding from orographic thunderstorms in the central Appalachians. Water Resources Research, 2011, 47, .	4.2	31
105	The role of storm scale, position and movement in controlling urban flood response. Hydrology and Earth System Sciences, 2018, 22, 417-436.	4.9	31
106	Evaluation of a Physics-Based Tropical Cyclone Rainfall Model for Risk Assessment. Journal of Hydrometeorology, 2020, 21, 2197-2218.	1.9	31
107	â€œProphetic vision, vivid imaginationâ€: The 1927 <scp>M</scp>ississippi <scp>R</scp>iver flood. Water Resources Research, 2015, 51, 9964-9994.	4.2	30
108	Extreme Rainfall from Landfalling Tropical Cyclones in the Eastern United States: Hurricane Irene (2011). Journal of Hydrometeorology, 2016, 17, 2883-2904.	1.9	30

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109	Flood Frequency Analysis Using the Cox Regression Model. Water Resources Research, 1986, 22, 890-896.	4.2	28
110	An Early Performance Evaluation of the NEXRAD Dual-Polarization Radar Rainfall Estimates for Urban Flood Applications. Weather and Forecasting, 2013, 28, 1478-1497.	1.4	28
111	Comprehensive Evaluation of the IFloodS Radar Rainfall Products for Hydrologic Applications. Journal of Hydrometeorology, 2018, 19, 1793-1813.	1.9	28
112	Contrasting rainfall-runoff characteristics of floods in desert and Mediterranean basins. Hydrology and Earth System Sciences, 2019, 23, 2665-2678.	4.9	28
113	Scale Dependence of Radar-Rainfall Ratesâ€"An Assessment Based on Raindrop Spectra. Journal of Hydrometeorology, 2004, 5, 1171-1180.	1.9	27
114	NEXRAD NWS Polarimetric Precipitation Product Evaluation for IFloodS. Journal of Hydrometeorology, 2015, 16, 1676-1699.	1.9	27
115	Flash Flooding in Arid/Semiarid Regions: Dissecting the Hydrometeorology and Hydrology of the 19 August 2014 Storm and Flood Hydroclimatology in Arizona. Journal of Hydrometeorology, 2017, 18, 3103-3123.	1.9	27
116	Sensitivity of Extreme Rainfall to Atmospheric Moisture Content in the Arid/Semiarid Southwestern United States: Implications for Probable Maximum Precipitation Estimates. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1638-1656.	3.3	26
117	Flood frequency estimation and uncertainty in arid/semi-arid regions. Journal of Hydrology, 2020, 590, 125254.	5.4	26
118	Storm Catalogâ€Based Analysis of Rainfall Heterogeneity and Frequency in a Complex Terrain. Water Resources Research, 2019, 55, 1871-1889.	4.2	25
119	Structure and evolution of flash flood producing storms in a small urban watershed. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3139-3152.	3.3	24
120	100-Year Lower Mississippi Floods in a Global Climate Model: Characteristics and Future Changes. Journal of Hydrometeorology, 2018, 19, 1547-1563.	1.9	24
121	Spatial and temporal variability of cloud-to-ground lightning over the continental U.S. during the period 1995â€"2010. Atmospheric Research, 2013, 124, 137-148.	4.1	23
122	Climatological analysis of manually digitized radar data for the United States east of the Rocky Mountains. Water Resources Research, 1995, 31, 3033-3049.	4.2	22
123	Climatology of extreme rainfall and flooding from orographic thunderstorm systems in the upper Arkansas River basin. Water Resources Research, 2007, 43, .	4.2	22
124	Two Simple Metrics for Quantifying Rainfall Intermittency: The Burstiness and Memory of Interamount Times. Journal of Hydrometeorology, 2016, 17, 421-436.	1.9	22
125	Radar studies of heavy convective rainfall in mountainous terrain. Journal of Geophysical Research, 1999, 104, 31451-31465.	3.3	21
126	The Paroxysmal Precipitation of the Desert: Flash Floods in the Southwestern United States. Water Resources Research, 2019, 55, 10218-10247.	4.2	21

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127	On the correlation of water vapor and CO₂: Application to flux partitioning of evapotranspiration. Water Resources Research, 2016, 52, 9452-9469.	4.2	20
128	Hydro-NEXRAD-2: real-time access to customized radar-rainfall for hydrologic applications. Journal of Hydroinformatics, 2013, 15, 580-590.	2.4	19
129	Hydrologic Analyses of the July 17â€“18, 1996, Flood in Chicago and the Role of Urbanization. Journal of Hydrologic Engineering - ASCE, 2013, 18, 250-259.	1.9	19
130	Archival precipitation data set for the Mississippi River Basin: Algorithm development. Journal of Geophysical Research, 2003, 108, .	3.3	18
131	On the use of Cox regression to examine the temporal clustering of flooding and heavy precipitation across the central United States. Global and Planetary Change, 2017, 155, 98-108.	3.5	18
132	Analyses of the temporal and spatial structures of heavy rainfall from a catalog of high-resolution radar rainfall fields. Atmospheric Research, 2014, 144, 111-125.	4.1	17
133	Lagrangian Analyses of Rainfall Structure and Evolution for Organized Thunderstorm Systems in the Urban Corridor of the Northeastern United States. Journal of Hydrometeorology, 2015, 16, 1575-1595.	1.9	17
134	Direct partitioning of eddy-covariance water and carbon dioxide fluxes into ground and plant components. Agricultural and Forest Meteorology, 2022, 315, 108790.	4.8	17
135	Numerical simulation of a heavy rainfall event during the PRE-STORM Experiment. Water Resources Research, 1997, 33, 783-799.	4.2	16
136	Variation in the instream dissolved inorganic nitrogen response between and within rainstorm events in an urban watershed. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1223-1233.	1.7	16
137	Structure and Evolution of Precipitation along a Cold Front in the Northeastern United States. Journal of Hydrometeorology, 2009, 10, 1243-1256.	1.9	16
138	Response of Extreme Rainfall for Landfalling Tropical Cyclones Undergoing Extratropical Transition to Projected Climate Change: Hurricane Irene (2011). Earth's Future, 2020, 8, e2019EF001360.	6.3	16
139	Towards Better Utilization of NEXRAD Data in Hydrology: An Overview of Hydro-NEXRAD. , 2007, , .		15
140	Hydro-NEXRAD: metadata computation and use. Journal of Hydroinformatics, 2011, 13, 267-276.	2.4	15
141	A quantum cascade laser-based water vapor isotope analyzer for environmental monitoring. Review of Scientific Instruments, 2014, 85, 093103.	1.3	15
142	Spatial Characterization of Flood Magnitudes over the Drainage Network of the Delaware River Basin. Journal of Hydrometeorology, 2017, 18, 957-976.	1.9	14
143	An Atmospheric Water Balance Perspective on Extreme Rainfall Potential for the Contiguous US. Water Resources Research, 2021, 57, e2020WR028387.	4.2	13
144	Effects of Flood Control Structures on Flood Response for Hurricane Floyd in the Brandywine Creek Watershed, Pennsylvania. Journal of Hydrologic Engineering - ASCE, 2006, 11, 432-441.	1.9	12

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145	Flash Flooding in Arid/Semiarid Regions: Climatological Analyses of Flood-Producing Storms in Central Arizona during the North American Monsoon. Journal of Hydrometeorology, 2019, 20, 1449-1471.	1.9	12
146	Flooding in Texas: Examination of Temporal Changes and Impacts of Tropical Cyclones. Journal of the American Water Resources Association, 2013, 49, 825-837.	2.4	11
147	Flash Flooding in the Philadelphia Metropolitan Region. Journal of Hydrologic Engineering - ASCE, 2010, 15, 29-38.	1.9	10
148	Analyses of the warm season rainfall climatology of the northeastern US using regional climate model simulations and radar rainfall fields. Advances in Water Resources, 2011, 34, 184-204.	3.8	10
149	Riverine Flooding and Landfalling Tropical Cyclones Over China. Earth's Future, 2020, 8, no.	6.3	10
150	The impact of the spatiotemporal structure of rainfall on flood frequency over a small urban watershed: an approach coupling stochastic storm transposition and hydrologic modeling. Hydrology and Earth System Sciences, 2021, 25, 4701-4717.	4.9	10
151	Four-dimensional reflectivity data comparison between two ground-based radars: methodology and statistical analysis. Hydrological Sciences Journal, 2014, 59, 1320-1334.	2.6	9
152	On the Climatology of Precipitable Water and Water Vapor Flux in the Mid-Atlantic Region of the United States. Journal of Hydrometeorology, 2015, 16, 70-87.	1.9	9
153	Flash Floodâ€“Producing Storm Properties in a Small Urban Watershed. Journal of Hydrometeorology, 2016, 17, 2631-2647.	1.9	9
154	Regional Impacts of Urban Irrigation on Surface Heat Fluxes and Rainfall in Central Arizona. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6393-6410.	3.3	9
155	Assessing urban rainfallâ€runoff response to stormwater management extent. Hydrological Processes, 2021, 35, e14287.	2.6	9
156	Extreme rainfall from Hurricane Harvey (2017): Empirical intercomparisons of WRF simulations and polarimetric radar fields. Atmospheric Research, 2019, 223, 114-131.	4.1	8
157	The Hydrological Urban Heat Island: Determinants of Acute and Chronic Heat Stress in Urban Streams. Journal of the American Water Resources Association, 2021, 57, 941-955.	2.4	8
158	The Upper Tail of Flood Peaks Over China: Hydrology, Hydrometeorology, and Hydroclimatology. Water Resources Research, 2021, 57, e2021WR030883.	4.2	7
159	Hydrometeorological analysis of the December 2008 flood in Rome. Hydrological Sciences Journal, 2011, 56, 1150-1165.	2.6	6
160	A Method to Estimate the 3Dâ€“Time Structure of the Raindrop Size Distribution Using Radar and Disdrometer Data*. Journal of Hydrometeorology, 2015, 16, 1222-1242.	1.9	6
161	The Regional Water Cycle and Heavy Spring Rainfall in Iowa: Observational and Modeling Analyses from the IFloodS Campaign. Journal of Hydrometeorology, 2016, 17, 2763-2784.	1.9	6
162	Flood response for the watersheds of the <scp>F</scp>ernow <scp>E</scp>xperimental <scp>F</scp>orest in the central <scp>A</scp>ppalachians. Water Resources Research, 2015, 51, 4431-4453.	4.2	4

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163	Fort Collins flood data set created. Eos, 1999, 80, 257.	0.1	3
164	Archival precipitation data set for the Mississippi River Basin: Evaluation. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	3
165	â€œFollow the Waterâ€: Steve Squyres and the Mars Exploration Rovers. Journal of the Franklin Institute, 2011, 348, 446-452.	3.4	3
166	Towards Dynamical Seasonal Forecast of Extratropical Transition in the North Atlantic. Geophysical Research Letters, 2018, 45, 12,602.	4.0	3
167	Tropical Cyclone Flooding in the Carolinas. Journal of Hydrometeorology, 2022, 23, 53-70.	1.9	2
168	Risk assessment of hurricane storm surge for New York City. , 2010, .		1