

# James A Smith

## List of Publications by Year in descending order

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168  
papers

10,389  
citations

20759

60  
h-index

40881

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. <i>Water Resources Research</i> , 2009, 45, .	1.7	376
2	Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. <i>Nature</i> , 2018, 563, 384-388.	13.7	375
3	Flood frequency analysis for nonstationary annual peak records in an urban drainage basin. <i>Advances in Water Resources</i> , 2009, 32, 1255-1266.	1.7	359
4	An Intercomparison Study of NEXRAD Precipitation Estimates. <i>Water Resources Research</i> , 1996, 32, 2035-2045.	1.7	308
5	Effect of bias adjustment and rain gauge data quality control on radar rainfall estimation. <i>Water Resources Research</i> , 1999, 35, 2487-2503.	1.7	227
6	Flood peak distributions for the eastern United States. <i>Water Resources Research</i> , 2010, 46, .	1.7	218
7	Risk assessment of hurricane storm surge for New York City. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	213
8	On the frequency of heavy rainfall for the Midwest of the United States. <i>Journal of Hydrology</i> , 2011, 400, 103-120.	2.3	197
9	Estimation of the Mean Field Bias of Radar Rainfall Estimates. <i>Journal of Applied Meteorology and Climatology</i> , 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. <i>Journal of Atmospheric and Oceanic Technology</i> , 2002, 19, 673-686.	0.5	178
11	The Regional Hydrology of Extreme Floods in an Urbanizing Drainage Basin. <i>Journal of Hydrometeorology</i> , 2002, 3, 267-282.	0.7	141
12	Changing Frequency of Heavy Rainfall over the Central United States. <i>Journal of Climate</i> , 2013, 26, 351-357.	1.2	139
13	Variability of Raindrop Size Distributions in a Squall Line and Implications for Radar Rainfall Estimation. <i>Journal of Hydrometeorology</i> , 2003, 4, 43-61.	0.7	138
14	Rainfall Estimation by the WSR-88D for Heavy Rainfall Events. <i>Weather and Forecasting</i> , 1998, 13, 416-436.	0.5	136
15	Catastrophic rainfall from an upslope thunderstorm in the central Appalachians: The Rapidan Storm of June 27, 1995. <i>Water Resources Research</i> , 1996, 32, 3099-3113.	1.7	134
16	Mixture Distributions and the Hydroclimatology of Extreme Rainfall and Flooding in the Eastern United States. <i>Journal of Hydrometeorology</i> , 2011, 12, 294-309.	0.7	133
17	Estimation of Convective Rainfall from Lightning Observations. <i>Journal of Applied Meteorology and Climatology</i> , 1998, 37, 1497-1509.	1.7	132
18	Urbanization, climate change and flood policy in the United States. <i>Climatic Change</i> , 2010, 103, 597-616.	1.7	127

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19	Representation of basin scale in flood peak distributions. <i>Water Resources Research</i> , 1992, 28, 2993-2999.	1.7	124
20	Stochastic modeling of flood peaks using the generalized extreme value distribution. <i>Water Resources Research</i> , 2002, 38, 41-1-41-12.	1.7	123
21	A Microphysical Interpretation of Radar Reflectivityâ€“Rain Rate Relationships. <i>Journals of the Atmospheric Sciences</i> , 2004, 61, 1114-1131.	0.6	123
22	Examining Flood Frequency Distributions in the Midwest U.S.1. <i>Journal of the American Water Resources Association</i> , 2011, 47, 447-463.	1.0	118
23	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. <i>Climate Dynamics</i> , 2019, 53, 5999-6033.	1.7	114
24	Analyses of Urban Drainage Network Structure and its Impact on Hydrologic Response<sup>1</sup>. <i>Journal of the American Water Resources Association</i> , 2010, 46, 932-943.	1.0	108
25	Field studies of the storm event hydrologic response in an urbanizing watershed. <i>Water Resources Research</i> , 2005, 41, .	1.7	107
26	North Atlantic Tropical Cyclones and U.S. Flooding. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1381-1388.	1.7	107
27	Development and evaluation of a mosaic approach in the WRFâ€“Noah framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,918.	1.2	106
28	Modeling the Dependence of Tropical Storm Counts in the North Atlantic Basin on Climate Indices. <i>Monthly Weather Review</i> , 2010, 138, 2681-2705.	0.5	100
29	Reflectivity, Rain Rate, and Kinetic Energy Flux Relationships Based on Raindrop Spectra. <i>Journal of Applied Meteorology and Climatology</i> , 2000, 39, 1923-1940.	1.7	97
30	Radar rainfall estimation for flash flood forecasting in small urban watersheds. <i>Advances in Water Resources</i> , 2007, 30, 2087-2097.	1.7	96
31	Characterization of rainfall distribution and flooding associated with U.S. landfalling tropical cyclones: Analyses of Hurricanes Frances, Ivan, and Jeanne (2004). <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	93
32	Extreme Rainfall and Flooding from Supercell Thunderstorms. <i>Journal of Hydrometeorology</i> , 2001, 2, 469-489.	0.7	88
33	Flood frequency analysis using radar rainfall fields and stochastic storm transposition. <i>Water Resources Research</i> , 2014, 50, 1592-1615.	1.7	87
34	Analyses of extreme flooding in Austria over the period 1951â€“2006. <i>International Journal of Climatology</i> , 2012, 32, 1178-1192.	1.5	86
35	Urban signatures in the spatial clustering of summer heavy rainfall events over the Beijing metropolitan region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1203-1217.	1.2	86
36	Modeling Extreme Rainfall, Winds, and Surge from Hurricane Isabel (2003). <i>Weather and Forecasting</i> , 2010, 25, 1342-1361.	0.5	85

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37	Evolution of channel morphology and hydrologic response in an urbanizing drainage basin. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 1063-1079.	1.2	83
38	The effects of aerosols on intense convective precipitation in the northeastern United States. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 1367-1391.	1.0	83
39	Extreme Flood Response: The June 2008 Flooding in Iowa. <i>Journal of Hydrometeorology</i> , 2013, 14, 1810-1825.	0.7	82
40	Extraordinary Flood Response of a Small Urban Watershed to Short-Duration Convective Rainfall. <i>Journal of Hydrometeorology</i> , 2005, 6, 599-617.	0.7	80
41	Urbanization and Climate Change: An Examination of Nonstationarities in Urban Flooding. <i>Journal of Hydrometeorology</i> , 2013, 14, 1791-1809.	0.7	79
42	Estimating the frequency of extreme rainfall using weather radar and stochastic storm transposition. <i>Journal of Hydrology</i> , 2013, 488, 150-165.	2.3	78
43	Realistic Representation of Trees in an Urban Canopy Model. <i>Boundary-Layer Meteorology</i> , 2016, 159, 193-220.	1.2	78
44	Assessing Compound Flooding From Landfalling Tropical Cyclones on the North Carolina Coast. <i>Water Resources Research</i> , 2020, 56, e2019WR026788.	1.7	76
45	A point process model of summer season rainfall occurrences. <i>Water Resources Research</i> , 1983, 19, 95-103.	1.7	75
46	Catastrophic Rainfall and Flooding in Texas. <i>Journal of Hydrometeorology</i> , 2000, 1, 5-25.	0.7	74
47	Impact of Urbanization on Heavy Convective Precipitation under Strong Large-Scale Forcing: A Case Study over the Milwaukee-Lake Michigan Region. <i>Journal of Hydrometeorology</i> , 2014, 15, 261-278.	0.7	74
48	Estimating the upper tail of flood frequency distributions. <i>Water Resources Research</i> , 1987, 23, 1657-1666.	1.7	73
49	Tropical storms and the flood hydrology of the central Appalachians. <i>Water Resources Research</i> , 2001, 37, 2143-2168.	1.7	73
50	The Spatial Dependence of Flood Hazard and Risk in the United States. <i>Water Resources Research</i> , 2019, 55, 1890-1911.	1.7	72
51	Extreme hydrometeorological events and the urban environment: Dissecting the 7 July 2004 thunderstorm over the Baltimore MD Metropolitan Region. <i>Water Resources Research</i> , 2008, 44, .	1.7	70
52	A Spatially-Analytical Scheme for Surface Temperatures and Conductive Heat Fluxes in Urban Canopy Models. <i>Boundary-Layer Meteorology</i> , 2011, 138, 171-193.	1.2	70
53	Towards better utilization of NEXRAD data in hydrology: an overview of Hydro-NEXRAD. <i>Journal of Hydroinformatics</i> , 2011, 13, 255-266.	1.1	70
54	Analyses of a long-term, high-resolution radar rainfall data set for the Baltimore metropolitan region. <i>Water Resources Research</i> , 2012, 48, .	1.7	69

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55	Spectrum of storm event hydrologic response in urban watersheds. <i>Water Resources Research</i> , 2013, 49, 2649-2663.	1.7	69
56	Strange Floods: The Upper Tail of Flood Peaks in the United States. <i>Water Resources Research</i> , 2018, 54, 6510-6542.	1.7	69
57	The Microphysical Structure of Extreme Precipitation as Inferred from Ground-Based Raindrop Spectra. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 1220-1238.	0.6	66
58	Modeling Land Surface Processes and Heavy Rainfall in Urban Environments: Sensitivity to Urban Surface Representations. <i>Journal of Hydrometeorology</i> , 2013, 14, 1098-1118.	0.7	66
59	Causes of large projected increases in hurricane precipitation rates with global warming. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	66
60	Radar analyses of extreme rainfall and flooding in urban drainage basins. <i>Journal of Hydrology</i> , 2010, 381, 266-286.	2.3	65
61	Urbanization and Rainfall Variability in the Beijing Metropolitan Region. <i>Journal of Hydrometeorology</i> , 2014, 15, 2219-2235.	0.7	62
62	Urban Impacts on Extreme Monsoon Rainfall and Flooding in Complex Terrain. <i>Geophysical Research Letters</i> , 2019, 46, 5918-5927.	1.5	61
63	Climatological Analyses of Thunderstorms and Flash Floods in the Baltimore Metropolitan Region. <i>Journal of Hydrometeorology</i> , 2007, 8, 88-101.	0.7	60
64	Hydrologic modeling of extreme floods using radar rainfall estimates. <i>Advances in Water Resources</i> , 2003, 26, 195-203.	1.7	59
65	New paradigm for statistical validation of satellite precipitation estimates: Application to a large sample of the TMPA 0.25° 3-hourly estimates over Oklahoma. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	59
66	On the temporal clustering of US floods and its relationship to climate teleconnection patterns. <i>International Journal of Climatology</i> , 2013, 33, 629-640.	1.5	59
67	Regional climate model projections of rainfall from U.S. landfalling tropical cyclones. <i>Climate Dynamics</i> , 2015, 45, 3365-3379.	1.7	58
68	Attenuating reaches and the regional flood response of an urbanizing drainage basin. <i>Advances in Water Resources</i> , 2003, 26, 673-684.	1.7	53
69	Variability of rainfall rate and raindrop size distributions in heavy rain. <i>Water Resources Research</i> , 2009, 45, .	1.7	53
70	Hydroclimatology of flash flooding in Atlanta. <i>Water Resources Research</i> , 2012, 48, .	1.7	53
71	Parameter Estimation for a Model of Space-Time Rainfall. <i>Water Resources Research</i> , 1985, 21, 1251-1257.	1.7	52
72	The Flashiest Watersheds in the Contiguous United States. <i>Journal of Hydrometeorology</i> , 2015, 16, 2365-2381.	0.7	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.	1.2	51
75	Convective versus stratiform rainfall: An ice-microphysical and kinematic conceptual model. Atmospheric Research, 1998, 47-48, 317-326.	1.8	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.	1.1	48
78	Changes in seasonal maximum daily precipitation in China over the period 1961â€“2006. International Journal of Climatology, 2013, 33, 1646-1657.	1.5	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.	0.6	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.	0.7	47
81	Spaceâ€“Time Variability of Rainfall and Extreme Flood Response in the Menomonee River Basin, Wisconsin. Journal of Hydrometeorology, 2003, 4, 506-517.	0.7	46
82	U.S. Landfalling and North Atlantic Hurricanes: Statistical Modeling of Their Frequencies and Ratios. Monthly Weather Review, 2012, 140, 44-65.	0.5	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.	0.6	45
84	Exploring storage and runoff generation processes for urban flooding through a physically based watershed model. Water Resources Research, 2015, 51, 1552-1569.	1.7	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.	1.2	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.	0.7	44
88	Critical Examination of Area Reduction Factors. Journal of Hydrologic Engineering - ASCE, 2014, 19, 769-776.	0.8	44
89	Typhoon Nina and the August 1975 Flood over Central China. Journal of Hydrometeorology, 2017, 18, 451-472.	0.7	43
90	The complexities of urban flood response: Flood frequency analyses for the Charlotte metropolitan region. Water Resources Research, 2017, 53, 7401-7425.	1.7	43

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91	The hydrology and hydrometeorology of extreme floods in the Great Plains of Eastern Nebraska. <i>Advances in Water Resources</i> , 2001, 24, 1037-1049.	1.7	41
92	Long-Term High-Resolution Radar Rainfall Fields for Urban Hydrology. <i>Journal of the American Water Resources Association</i> , 2014, 50, 713-734.	1.0	40
93	Flash flooding in small urban watersheds: Storm event hydrologic response. <i>Water Resources Research</i> , 2016, 52, 4571-4589.	1.7	40
94	The Influence of Land Surface Heterogeneities on Heavy Convective Rainfall in the Baltimore-Washington Metropolitan Area. <i>Monthly Weather Review</i> , 2016, 144, 553-573.	0.5	40
95	Scaling Properties of Flood Peaks. <i>Extremes</i> , 2001, 4, 5-22.	0.5	37
96	Heterogeneity of Hydrologic Response in Urban Watersheds. <i>Journal of the American Water Resources Association</i> , 2010, 46, 1221-1237.	1.0	37
97	Projection of Landfalling Tropical Cyclone Rainfall in the Eastern United States under Anthropogenic Warming. <i>Journal of Climate</i> , 2018, 31, 7269-7286.	1.2	37
98	The role of catastrophic geomorphic events in central Appalachian landscape evolution. <i>Geomorphology</i> , 1989, 2, 257-284.	1.1	36
99	The Influence of Rainfall and Catchment Critical Scales on Urban Hydrological Response Sensitivity. <i>Water Resources Research</i> , 2019, 55, 3375-3390.	1.7	35
100	Tropical cyclones and the flood hydrology of Puerto Rico. <i>Water Resources Research</i> , 2005, 41, .	1.7	34
101	The Space-Time Structure of Extreme Storm Rainfall in the Southern Plains. <i>Journal of Applied Meteorology and Climatology</i> , 1994, 33, 1402-1417.	1.7	33
102	Catastrophic flooding from an orographic thunderstorm in the central Appalachians. <i>Water Resources Research</i> , 2005, 41, .	1.7	33
103	Flash Flood Forecasting for Small Urban Watersheds in the Baltimore Metropolitan Region. <i>Weather and Forecasting</i> , 2007, 22, 1331-1344.	0.5	32
104	Extreme rainfall and flooding from orographic thunderstorms in the central Appalachians. <i>Water Resources Research</i> , 2011, 47, .	1.7	31
105	The role of storm scale, position and movement in controlling urban flood response. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 417-436.	1.9	31
106	Evaluation of a Physics-Based Tropical Cyclone Rainfall Model for Risk Assessment. <i>Journal of Hydrometeorology</i> , 2020, 21, 2197-2218.	0.7	31
107	“Prophetic vision, vivid imagination”: The 1927 Mississippi River flood. <i>Water Resources Research</i> , 2015, 51, 9964-9994.	1.7	30
108	Extreme Rainfall from Landfalling Tropical Cyclones in the Eastern United States: Hurricane Irene (2011). <i>Journal of Hydrometeorology</i> , 2016, 17, 2883-2904.	0.7	30

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109	Flood Frequency Analysis Using the Cox Regression Model. <i>Water Resources Research</i> , 1986, 22, 890-896.	1.7	28
110	An Early Performance Evaluation of the NEXRAD Dual-Polarization Radar Rainfall Estimates for Urban Flood Applications. <i>Weather and Forecasting</i> , 2013, 28, 1478-1497.	0.5	28
111	Comprehensive Evaluation of the IFloodS Radar Rainfall Products for Hydrologic Applications. <i>Journal of Hydrometeorology</i> , 2018, 19, 1793-1813.	0.7	28
112	Contrasting rainfall-runoff characteristics of floods in desert and Mediterranean basins. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2665-2678.	1.9	28
113	Scale Dependence of Radar-Rainfall Rates—An Assessment Based on Raindrop Spectra. <i>Journal of Hydrometeorology</i> , 2004, 5, 1171-1180.	0.7	27
114	NEXRAD NWS Polarimetric Precipitation Product Evaluation for IFloodS. <i>Journal of Hydrometeorology</i> , 2015, 16, 1676-1699.	0.7	27
115	Flash Flooding in Arid/Semiarid Regions: Dissecting the Hydrometeorology and Hydrology of the 19 August 2014 Storm and Flood Hydroclimatology in Arizona. <i>Journal of Hydrometeorology</i> , 2017, 18, 3103-3123.	0.7	27
116	Sensitivity of Extreme Rainfall to Atmospheric Moisture Content in the Arid/Semiarid Southwestern United States: Implications for Probable Maximum Precipitation Estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1638-1656.	1.2	26
117	Flood frequency estimation and uncertainty in arid/semi-arid regions. <i>Journal of Hydrology</i> , 2020, 590, 125254.	2.3	26
118	Storm Catalog—Based Analysis of Rainfall Heterogeneity and Frequency in a Complex Terrain. <i>Water Resources Research</i> , 2019, 55, 1871-1889.	1.7	25
119	Structure and evolution of flash flood producing storms in a small urban watershed. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3139-3152.	1.2	24
120	100-Year Lower Mississippi Floods in a Global Climate Model: Characteristics and Future Changes. <i>Journal of Hydrometeorology</i> , 2018, 19, 1547-1563.	0.7	24
121	Spatial and temporal variability of cloud-to-ground lightning over the continental U.S. during the period 1995–2010. <i>Atmospheric Research</i> , 2013, 124, 137-148.	1.8	23
122	Climatological analysis of manually digitized radar data for the United States east of the Rocky Mountains. <i>Water Resources Research</i> , 1995, 31, 3033-3049.	1.7	22
123	Climatology of extreme rainfall and flooding from orographic thunderstorm systems in the upper Arkansas River basin. <i>Water Resources Research</i> , 2007, 43, .	1.7	22
124	Two Simple Metrics for Quantifying Rainfall Intermittency: The Burstiness and Memory of Interamount Times. <i>Journal of Hydrometeorology</i> , 2016, 17, 421-436.	0.7	22
125	Radar studies of heavy convective rainfall in mountainous terrain. <i>Journal of Geophysical Research</i> , 1999, 104, 31451-31465.	3.3	21
126	The Paroxysmal Precipitation of the Desert: Flash Floods in the Southwestern United States. <i>Water Resources Research</i> , 2019, 55, 10218-10247.	1.7	21



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127	On the correlation of water vapor and CO <sub>2</sub> : Application to flux partitioning of evapotranspiration. <i>Water Resources Research</i> , 2016, 52, 9452-9469.	1.7	20
128	Hydro-NEXRAD-2: real-time access to customized radar-rainfall for hydrologic applications. <i>Journal of Hydroinformatics</i> , 2013, 15, 580-590.	1.1	19
129	Hydrologic Analyses of the July 17 <sup>th</sup> –18, 1996, Flood in Chicago and the Role of Urbanization. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 250-259.	0.8	19
130	Archival precipitation data set for the Mississippi River Basin: Algorithm development. <i>Journal of Geophysical Research</i> , 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. <i>Global and Planetary Change</i> , 2017, 155, 98-108.	1.6	18
132	Analyses of the temporal and spatial structures of heavy rainfall from a catalog of high-resolution radar rainfall fields. <i>Atmospheric Research</i> , 2014, 144, 111-125.	1.8	17
133	Lagrangian Analyses of Rainfall Structure and Evolution for Organized Thunderstorm Systems in the Urban Corridor of the Northeastern United States. <i>Journal of Hydrometeorology</i> , 2015, 16, 1575-1595.	0.7	17
134	Direct partitioning of eddy-covariance water and carbon dioxide fluxes into ground and plant components. <i>Agricultural and Forest Meteorology</i> , 2022, 315, 108790.	1.9	17
135	Numerical simulation of a heavy rainfall event during the PRE-STORM Experiment. <i>Water Resources Research</i> , 1997, 33, 783-799.	1.7	16
136	Variation in the instream dissolved inorganic nitrogen response between and within rainstorm events in an urban watershed. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 1223-1233.	0.9	16
137	Structure and Evolution of Precipitation along a Cold Front in the Northeastern United States. <i>Journal of Hydrometeorology</i> , 2009, 10, 1243-1256.	0.7	16
138	Response of Extreme Rainfall for Landfalling Tropical Cyclones Undergoing Extratropical Transition to Projected Climate Change: Hurricane Irene (2011). <i>Earth's Future</i> , 2020, 8, e2019EF001360.	2.4	16
139	Towards Better Utilization of NEXRAD Data in Hydrology: An Overview of Hydro-NEXRAD. , 2007, , .		15
140	Hydro-NEXRAD: metadata computation and use. <i>Journal of Hydroinformatics</i> , 2011, 13, 267-276.	1.1	15
141	A quantum cascade laser-based water vapor isotope analyzer for environmental monitoring. <i>Review of Scientific Instruments</i> , 2014, 85, 093103.	0.6	15
142	Spatial Characterization of Flood Magnitudes over the Drainage Network of the Delaware River Basin. <i>Journal of Hydrometeorology</i> , 2017, 18, 957-976.	0.7	14
143	An Atmospheric Water Balance Perspective on Extreme Rainfall Potential for the Contiguous US. <i>Water Resources Research</i> , 2021, 57, e2020WR028387.	1.7	13
144	Effects of Flood Control Structures on Flood Response for Hurricane Floyd in the Brandywine Creek Watershed, Pennsylvania. <i>Journal of Hydrologic Engineering - ASCE</i> , 2006, 11, 432-441.	0.8	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. <i>Journal of Hydrometeorology</i> , 2019, 20, 1449-1471.	0.7	12
146	Flooding in Texas: Examination of Temporal Changes and Impacts of Tropical Cyclones. <i>Journal of the American Water Resources Association</i> , 2013, 49, 825-837.	1.0	11
147	Flash Flooding in the Philadelphia Metropolitan Region. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 29-38.	0.8	10
148	Analyses of the warm season rainfall climatology of the northeastern US using regional climate model simulations and radar rainfall fields. <i>Advances in Water Resources</i> , 2011, 34, 184-204.	1.7	10
149	Riverine Flooding and Landfalling Tropical Cyclones Over China. <i>Earth's Future</i> , 2020, 8, no.	2.4	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. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4701-4717.	1.9	10
151	Four-dimensional reflectivity data comparison between two ground-based radars: methodology and statistical analysis. <i>Hydrological Sciences Journal</i> , 2014, 59, 1320-1334.	1.2	9
152	On the Climatology of Precipitable Water and Water Vapor Flux in the Mid-Atlantic Region of the United States. <i>Journal of Hydrometeorology</i> , 2015, 16, 70-87.	0.7	9
153	Flash Flood-Producing Storm Properties in a Small Urban Watershed. <i>Journal of Hydrometeorology</i> , 2016, 17, 2631-2647.	0.7	9
154	Regional Impacts of Urban Irrigation on Surface Heat Fluxes and Rainfall in Central Arizona. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6393-6410.	1.2	9
155	Assessing urban rainfall-runoff response to stormwater management extent. <i>Hydrological Processes</i> , 2021, 35, e14287.	1.1	9
156	Extreme rainfall from Hurricane Harvey (2017): Empirical intercomparisons of WRF simulations and polarimetric radar fields. <i>Atmospheric Research</i> , 2019, 223, 114-131.	1.8	8
157	The Hydrological Urban Heat Island: Determinants of Acute and Chronic Heat Stress in Urban Streams. <i>Journal of the American Water Resources Association</i> , 2021, 57, 941-955.	1.0	8
158	The Upper Tail of Flood Peaks Over China: Hydrology, Hydrometeorology, and Hydroclimatology. <i>Water Resources Research</i> , 2021, 57, e2021WR030883.	1.7	7
159	Hydrometeorological analysis of the December 2008 flood in Rome. <i>Hydrological Sciences Journal</i> , 2011, 56, 1150-1165.	1.2	6
160	A Method to Estimate the 3D-Time Structure of the Raindrop Size Distribution Using Radar and Disdrometer Data*. <i>Journal of Hydrometeorology</i> , 2015, 16, 1222-1242.	0.7	6
161	The Regional Water Cycle and Heavy Spring Rainfall in Iowa: Observational and Modeling Analyses from the IFloodS Campaign. <i>Journal of Hydrometeorology</i> , 2016, 17, 2763-2784.	0.7	6
162	Flood response for the watersheds of the Fernow Experimental Forest in the central Appalachians. <i>Water Resources Research</i> , 2015, 51, 4431-4453.	1.7	4

#	ARTICLE	IF	CITATIONS
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.	1.5	3
165	“Follow the Water”. Steve Squyres and the Mars Exploration Rovers. Journal of the Franklin Institute, 2011, 348, 446-452.	1.9	3
166	Towards Dynamical Seasonal Forecast of Extratropical Transition in the North Atlantic. Geophysical Research Letters, 2018, 45, 12,602.	1.5	3
167	Tropical Cyclone Flooding in the Carolinas. Journal of Hydrometeorology, 2022, 23, 53-70.	0.7	2
168	Risk assessment of hurricane storm surge for New York City. , 2010, .		1