

# 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	Tropical Cyclone Flooding in the Carolinas. <i>Journal of Hydrometeorology</i> , 2022, 23, 53-70.	1.9	2
2	Direct partitioning of eddy-covariance water and carbon dioxide fluxes into ground and plant components. <i>Agricultural and Forest Meteorology</i> , 2022, 315, 108790.	4.8	17
3	An Atmospheric Water Balance Perspective on Extreme Rainfall Potential for the Contiguous US. <i>Water Resources Research</i> , 2021, 57, e2020WR028387.	4.2	13
4	Assessing urban rainfall-runoff response to stormwater management extent. <i>Hydrological Processes</i> , 2021, 35, e14287.	2.6	9
5	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.	4.9	10
6	The Upper Tail of Flood Peaks Over China: Hydrology, Hydrometeorology, and Hydroclimatology. <i>Water Resources Research</i> , 2021, 57, e2021WR030883.	4.2	7
7	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.	2.4	8
8	Assessing Compound Flooding From Landfalling Tropical Cyclones on the North Carolina Coast. <i>Water Resources Research</i> , 2020, 56, e2019WR026788.	4.2	76
9	Riverine Flooding and Landfalling Tropical Cyclones Over China. <i>Earth's Future</i> , 2020, 8, no.	6.3	10
10	Flood frequency estimation and uncertainty in arid/semi-arid regions. <i>Journal of Hydrology</i> , 2020, 590, 125254.	5.4	26
11	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.	6.3	16
12	Evaluation of a Physics-Based Tropical Cyclone Rainfall Model for Risk Assessment. <i>Journal of Hydrometeorology</i> , 2020, 21, 2197-2218.	1.9	31
13	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. <i>Climate Dynamics</i> , 2019, 53, 5999-6033.	3.8	114
14	Contrasting rainfall-runoff characteristics of floods in desert and Mediterranean basins. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2665-2678.	4.9	28
15	Causes of large projected increases in hurricane precipitation rates with global warming. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	66
16	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.	1.9	12
17	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.	3.3	9
18	Urban Impacts on Extreme Monsoon Rainfall and Flooding in Complex Terrain. <i>Geophysical Research Letters</i> , 2019, 46, 5918-5927.	4.0	61

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19	The Influence of Rainfall and Catchment Critical Scales on Urban Hydrological Response Sensitivity. <i>Water Resources Research</i> , 2019, 55, 3375-3390.	4.2	35
20	Extreme rainfall from Hurricane Harvey (2017): Empirical intercomparisons of WRF simulations and polarimetric radar fields. <i>Atmospheric Research</i> , 2019, 223, 114-131.	4.1	8
21	The Spatial Dependence of Flood Hazard and Risk in the United States. <i>Water Resources Research</i> , 2019, 55, 1890-1911.	4.2	72
22	Storm Catalog-Based Analysis of Rainfall Heterogeneity and Frequency in a Complex Terrain. <i>Water Resources Research</i> , 2019, 55, 1871-1889.	4.2	25
23	The Paroxysmal Precipitation of the Desert: Flash Floods in the Southwestern United States. <i>Water Resources Research</i> , 2019, 55, 10218-10247.	4.2	21
24	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.	3.3	26
25	Assessing Hurricane Rainfall Mechanisms Using a Physics-Based Model: Hurricanes Isabel (2003) and Irene (2011). <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 2337-2358.	1.7	47
26	100-Year Lower Mississippi Floods in a Global Climate Model: Characteristics and Future Changes. <i>Journal of Hydrometeorology</i> , 2018, 19, 1547-1563.	1.9	24
27	Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. <i>Nature</i> , 2018, 563, 384-388.	27.8	375
28	Towards Dynamical Seasonal Forecast of Extratropical Transition in the North Atlantic. <i>Geophysical Research Letters</i> , 2018, 45, 12,602.	4.0	3
29	Comprehensive Evaluation of the IFloodS Radar Rainfall Products for Hydrologic Applications. <i>Journal of Hydrometeorology</i> , 2018, 19, 1793-1813.	1.9	28
30	Strange Floods: The Upper Tail of Flood Peaks in the United States. <i>Water Resources Research</i> , 2018, 54, 6510-6542.	4.2	69
31	Projection of Landfalling Tropical Cyclone Rainfall in the Eastern United States under Anthropogenic Warming. <i>Journal of Climate</i> , 2018, 31, 7269-7286.	3.2	37
32	The role of storm scale, position and movement in controlling urban flood response. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 417-436.	4.9	31
33	Synoptic-Scale Control over Modern Rainfall and Flood Patterns in the Levant Drylands with Implications for Past Climates. <i>Journal of Hydrometeorology</i> , 2018, 19, 1077-1096.	1.9	47
34	Spatial Characterization of Flood Magnitudes over the Drainage Network of the Delaware River Basin. <i>Journal of Hydrometeorology</i> , 2017, 18, 957-976.	1.9	14
35	The Present-Day Simulation and Twenty-First-Century Projection of the Climatology of Extratropical Transition in the North Atlantic. <i>Journal of Climate</i> , 2017, 30, 2739-2756.	3.2	45
36	Typhoon Nina and the August 1975 Flood over Central China. <i>Journal of Hydrometeorology</i> , 2017, 18, 451-472.	1.9	43

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37	The complexities of urban flood response: Flood frequency analyses for the Charlotte metropolitan region. <i>Water Resources Research</i> , 2017, 53, 7401-7425.	4.2	43
38	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.	3.5	18
39	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.	1.9	27
40	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.	4.2	20
41	Extreme Rainfall from Landfalling Tropical Cyclones in the Eastern United States: Hurricane Irene (2011). <i>Journal of Hydrometeorology</i> , 2016, 17, 2883-2904.	1.9	30
42	Realistic Representation of Trees in an Urban Canopy Model. <i>Boundary-Layer Meteorology</i> , 2016, 159, 193-220.	2.3	78
43	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.	1.9	6
44	Flash flooding in small urban watersheds: Storm event hydrologic response. <i>Water Resources Research</i> , 2016, 52, 4571-4589.	4.2	40
45	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.	3.3	24
46	Flash Floodâ€‘Producing Storm Properties in a Small Urban Watershed. <i>Journal of Hydrometeorology</i> , 2016, 17, 2631-2647.	1.9	9
47	The Influence of Land Surface Heterogeneities on Heavy Convective Rainfall in the Baltimoreâ€‘Washington Metropolitan Area. <i>Monthly Weather Review</i> , 2016, 144, 553-573.	1.4	40
48	Two Simple Metrics for Quantifying Rainfall Intermittency: The Burstiness and Memory of Interamount Times. <i>Journal of Hydrometeorology</i> , 2016, 17, 421-436.	1.9	22
49	The Flashiest Watersheds in the Contiguous United States. <i>Journal of Hydrometeorology</i> , 2015, 16, 2365-2381.	1.9	52
50	â€‘Prophetic vision, vivid imaginationâ€‘: The 1927 Mississippi River flood. <i>Water Resources Research</i> , 2015, 51, 9964-9994.	4.2	30
51	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.	1.9	17
52	Flood response for the watersheds of the Fernow Experimental Forest in the central Appalachians. <i>Water Resources Research</i> , 2015, 51, 4431-4453.	4.2	4
53	NEXRAD NWS Polarimetric Precipitation Product Evaluation for IFloodS. <i>Journal of Hydrometeorology</i> , 2015, 16, 1676-1699.	1.9	27
54	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.	1.9	6

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55	Exploring storage and runoff generation processes for urban flooding through a physically based watershed model. <i>Water Resources Research</i> , 2015, 51, 1552-1569.	4.2	45
56	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.	1.9	9
57	Regional climate model projections of rainfall from U.S. landfalling tropical cyclones. <i>Climate Dynamics</i> , 2015, 45, 3365-3379.	3.8	58
58	Four-dimensional reflectivity data comparison between two ground-based radars: methodology and statistical analysis. <i>Hydrological Sciences Journal</i> , 2014, 59, 1320-1334.	2.6	9
59	North Atlantic Tropical Cyclones and U.S. Flooding. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1381-1388.	3.3	107
60	A quantum cascade laser-based water vapor isotope analyzer for environmental monitoring. <i>Review of Scientific Instruments</i> , 2014, 85, 093103.	1.3	15
61	Critical Examination of Area Reduction Factors. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 769-776.	1.9	44
62	Influence of Subfacet Heterogeneity and Material Properties on the Urban Surface Energy Budget. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2114-2129.	1.5	45
63	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.	1.9	74
64	Flood frequency analysis using radar rainfall fields and stochastic storm transposition. <i>Water Resources Research</i> , 2014, 50, 1592-1615.	4.2	87
65	Urbanization and Rainfall Variability in the Beijing Metropolitan Region. <i>Journal of Hydrometeorology</i> , 2014, 15, 2219-2235.	1.9	62
66	Long-Term High-Resolution Radar Rainfall Fields for Urban Hydrology. <i>Journal of the American Water Resources Association</i> , 2014, 50, 713-734.	2.4	40
67	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.	4.1	17
68	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.	3.3	86
69	Changes in seasonal maximum daily precipitation in China over the period 1961-2006. <i>International Journal of Climatology</i> , 2013, 33, 1646-1657.	3.5	47
70	On the temporal clustering of US floods and its relationship to climate teleconnection patterns. <i>International Journal of Climatology</i> , 2013, 33, 629-640.	3.5	59
71	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.	4.1	23
72	Modeling Land Surface Processes and Heavy Rainfall in Urban Environments: Sensitivity to Urban Surface Representations. <i>Journal of Hydrometeorology</i> , 2013, 14, 1098-1118.	1.9	66

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73	Estimating the frequency of extreme rainfall using weather radar and stochastic storm transposition. <i>Journal of Hydrology</i> , 2013, 488, 150-165.	5.4	78
74	Spectrum of storm event hydrologic response in urban watersheds. <i>Water Resources Research</i> , 2013, 49, 2649-2663.	4.2	69
75	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.	1.4	28
76	Changing Frequency of Heavy Rainfall over the Central United States. <i>Journal of Climate</i> , 2013, 26, 351-357.	3.2	139
77	Extreme Flood Response: The June 2008 Flooding in Iowa. <i>Journal of Hydrometeorology</i> , 2013, 14, 1810-1825.	1.9	82
78	Hydro-NEXRAD-2: real-time access to customized radar-rainfall for hydrologic applications. <i>Journal of Hydroinformatics</i> , 2013, 15, 580-590.	2.4	19
79	Urbanization and Climate Change: An Examination of Nonstationarities in Urban Flooding. <i>Journal of Hydrometeorology</i> , 2013, 14, 1791-1809.	1.9	79
80	Hydrologic Analyses of the July 17-18, 1996, Flood in Chicago and the Role of Urbanization. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 250-259.	1.9	19
81	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.	2.4	11
82	Development and evaluation of a mosaic approach in the WRF-Noah framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,918.	3.3	106
83	U.S. Landfalling and North Atlantic Hurricanes: Statistical Modeling of Their Frequencies and Ratios. <i>Monthly Weather Review</i> , 2012, 140, 44-65.	1.4	46
84	Analyses of a long-term, high-resolution radar rainfall data set for the Baltimore metropolitan region. <i>Water Resources Research</i> , 2012, 48, .	4.2	69
85	Hydroclimatology of flash flooding in Atlanta. <i>Water Resources Research</i> , 2012, 48, .	4.2	53
86	Analyses of extreme flooding in Austria over the period 1951-2006. <i>International Journal of Climatology</i> , 2012, 32, 1178-1192.	3.5	86
87	Radar-rainfall estimation algorithms of Hydro-NEXRAD. <i>Journal of Hydroinformatics</i> , 2011, 13, 277-291.	2.4	48
88	Annual maximum and peaks-over-threshold analyses of daily rainfall accumulations for Austria. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
89	Is the recorded increase in short-duration North Atlantic tropical storms spurious?. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	51
90	Extreme rainfall and flooding from orographic thunderstorms in the central Appalachians. <i>Water Resources Research</i> , 2011, 47, .	4.2	31

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91	North Atlantic Tropical Storm Frequency Response to Anthropogenic Forcing: Projections and Sources of Uncertainty. <i>Journal of Climate</i> , 2011, 24, 3224-3238.	3.2	51
92	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
93	Examining Flood Frequency Distributions in the Midwest U.S.1. <i>Journal of the American Water Resources Association</i> , 2011, 47, 447-463.	2.4	118
94	On the frequency of heavy rainfall for the Midwest of the United States. <i>Journal of Hydrology</i> , 2011, 400, 103-120.	5.4	197
95	A Spatially-Analytical Scheme for Surface Temperatures and Conductive Heat Fluxes in Urban Canopy Models. <i>Boundary-Layer Meteorology</i> , 2011, 138, 171-193.	2.3	70
96	“Follow the Water” Steve Squyres and the Mars Exploration Rovers. <i>Journal of the Franklin Institute</i> , 2011, 348, 446-452.	3.4	3
97	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.	3.8	10
98	Mixture Distributions and the Hydroclimatology of Extreme Rainfall and Flooding in the Eastern United States. <i>Journal of Hydrometeorology</i> , 2011, 12, 294-309.	1.9	133
99	Towards better utilization of NEXRAD data in hydrology: an overview of Hydro-NEXRAD. <i>Journal of Hydroinformatics</i> , 2011, 13, 255-266.	2.4	70
100	Hydrometeorological analysis of the December 2008 flood in Rome. <i>Hydrological Sciences Journal</i> , 2011, 56, 1150-1165.	2.6	6
101	Hydro-NEXRAD: metadata computation and use. <i>Journal of Hydroinformatics</i> , 2011, 13, 267-276.	2.4	15
102	Urbanization, climate change and flood policy in the United States. <i>Climatic Change</i> , 2010, 103, 597-616.	3.6	127
103	Radar analyses of extreme rainfall and flooding in urban drainage basins. <i>Journal of Hydrology</i> , 2010, 381, 266-286.	5.4	65
104	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.	2.4	108
105	Heterogeneity of Hydrologic Response in Urban Watersheds <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , 2010, 46, 1221-1237.	2.4	37
106	The Hydrology and Hydrometeorology of Flooding in the Delaware River Basin. <i>Journal of Hydrometeorology</i> , 2010, 11, 841-859.	1.9	44
107	Modeling Extreme Rainfall, Winds, and Surge from Hurricane Isabel (2003). <i>Weather and Forecasting</i> , 2010, 25, 1342-1361.	1.4	85
108	Flash Flooding in the Philadelphia Metropolitan Region. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 29-38.	1.9	10

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109	Risk assessment of hurricane storm surge for New York City. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	213
110	Flood peak distributions for the eastern United States. <i>Water Resources Research</i> , 2010, 46, .	4.2	218
111	Modeling the Dependence of Tropical Storm Counts in the North Atlantic Basin on Climate Indices. <i>Monthly Weather Review</i> , 2010, 138, 2681-2705.	1.4	100
112	Risk assessment of hurricane storm surge for New York City. , 2010, .		1
113	Structure and Evolution of Precipitation along a Cold Front in the Northeastern United States. <i>Journal of Hydrometeorology</i> , 2009, 10, 1243-1256.	1.9	16
114	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.	2.7	83
115	Flood frequency analysis for nonstationary annual peak records in an urban drainage basin. <i>Advances in Water Resources</i> , 2009, 32, 1255-1266.	3.8	359
116	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
117	Variability of rainfall rate and raindrop size distributions in heavy rain. <i>Water Resources Research</i> , 2009, 45, .	4.2	53
118	On the stationarity of annual flood peaks in the continental United States during the 20th century. <i>Water Resources Research</i> , 2009, 45, .	4.2	376
119	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, .	4.2	70
120	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.	1.7	16
121	Flash Flood Forecasting for Small Urban Watersheds in the Baltimore Metropolitan Region. <i>Weather and Forecasting</i> , 2007, 22, 1331-1344.	1.4	32
122	Climatological Analyses of Thunderstorms and Flash Floods in the Baltimore Metropolitan Region. <i>Journal of Hydrometeorology</i> , 2007, 8, 88-101.	1.9	60
123	Climatology of extreme rainfall and flooding from orographic thunderstorm systems in the upper Arkansas River basin. <i>Water Resources Research</i> , 2007, 43, .	4.2	22
124	Towards Better Utilization of NEXRAD Data in Hydrology: An Overview of Hydro-NEXRAD. , 2007, , .		15
125	Radar rainfall estimation for flash flood forecasting in small urban watersheds. <i>Advances in Water Resources</i> , 2007, 30, 2087-2097.	3.8	96
126	Evolution of channel morphology and hydrologic response in an urbanizing drainage basin. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 1063-1079.	2.5	83



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127	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.	1.9	12
128	Extraordinary Flood Response of a Small Urban Watershed to Short-Duration Convective Rainfall. <i>Journal of Hydrometeorology</i> , 2005, 6, 599-617.	1.9	80
129	Tropical cyclones and the flood hydrology of Puerto Rico. <i>Water Resources Research</i> , 2005, 41, .	4.2	34
130	Field studies of the storm event hydrologic response in an urbanizing watershed. <i>Water Resources Research</i> , 2005, 41, .	4.2	107
131	Archival precipitation data set for the Mississippi River Basin: Evaluation. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	3
132	Catastrophic flooding from an orographic thunderstorm in the central Appalachians. <i>Water Resources Research</i> , 2005, 41, .	4.2	33
133	Scale Dependence of Radar-Rainfall Rates—An Assessment Based on Raindrop Spectra. <i>Journal of Hydrometeorology</i> , 2004, 5, 1171-1180.	1.9	27
134	A Microphysical Interpretation of Radar Reflectivity—Rain Rate Relationships. <i>Journals of the Atmospheric Sciences</i> , 2004, 61, 1114-1131.	1.7	123
135	Attenuating reaches and the regional flood response of an urbanizing drainage basin. <i>Advances in Water Resources</i> , 2003, 26, 673-684.	3.8	53
136	Hydrologic modeling of extreme floods using radar rainfall estimates. <i>Advances in Water Resources</i> , 2003, 26, 195-203.	3.8	59
137	Archival precipitation data set for the Mississippi River Basin: Algorithm development. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	18
138	Variability of Raindrop Size Distributions in a Squall Line and Implications for Radar Rainfall Estimation. <i>Journal of Hydrometeorology</i> , 2003, 4, 43-61.	1.9	138
139	The Microphysical Structure of Extreme Precipitation as Inferred from Ground-Based Raindrop Spectra. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 1220-1238.	1.7	66
140	Space—Time Variability of Rainfall and Extreme Flood Response in the Menomonee River Basin, Wisconsin. <i>Journal of Hydrometeorology</i> , 2003, 4, 506-517.	1.9	46
141	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.	1.3	178
142	The Regional Hydrology of Extreme Floods in an Urbanizing Drainage Basin. <i>Journal of Hydrometeorology</i> , 2002, 3, 267-282.	1.9	141
143	Stochastic modeling of flood peaks using the generalized extreme value distribution. <i>Water Resources Research</i> , 2002, 38, 41-1-41-12.	4.2	123
144	Tropical storms and the flood hydrology of the central Appalachians. <i>Water Resources Research</i> , 2001, 37, 2143-2168.	4.2	73

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145	Extreme Rainfall and Flooding from Supercell Thunderstorms. <i>Journal of Hydrometeorology</i> , 2001, 2, 469-489.	1.9	88
146	The hydrology and hydrometeorology of extreme floods in the Great Plains of Eastern Nebraska. <i>Advances in Water Resources</i> , 2001, 24, 1037-1049.	3.8	41
147	Scaling Properties of Flood Peaks. <i>Extremes</i> , 2001, 4, 5-22.	1.0	37
148	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
149	Catastrophic Rainfall and Flooding in Texas. <i>Journal of Hydrometeorology</i> , 2000, 1, 5-25.	1.9	74
150	Fort Collins flood data set created. <i>Eos</i> , 1999, 80, 257.	0.1	3
151	Radar studies of heavy convective rainfall in mountainous terrain. <i>Journal of Geophysical Research</i> , 1999, 104, 31451-31465.	3.3	21
152	Effect of bias adjustment and rain gauge data quality control on radar rainfall estimation. <i>Water Resources Research</i> , 1999, 35, 2487-2503.	4.2	227
153	Convective versus stratiform rainfall: An ice-microphysical and kinematic conceptual model. <i>Atmospheric Research</i> , 1998, 47-48, 317-326.	4.1	50
154	Estimation of Convective Rainfall from Lightning Observations. <i>Journal of Applied Meteorology and Climatology</i> , 1998, 37, 1497-1509.	1.7	132
155	Rainfall Estimation by the WSR-88D for Heavy Rainfall Events. <i>Weather and Forecasting</i> , 1998, 13, 416-436.	1.4	136
156	Numerical simulation of a heavy rainfall event during the PRE-STORM Experiment. <i>Water Resources Research</i> , 1997, 33, 783-799.	4.2	16
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