

Gabriele Villarini

List of Publications by Citations

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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.

218
papers

10,448
citations

57
h-index

95
g-index

245
ext. papers

12,228
ext. citations

5.4
avg, IF

6.98
L-index

#	Paper	IF	Citations
218	On the stationarity of annual flood peaks in the continental United States during the 20th century. <i>Water Resources Research</i> , 2009 , 45,	5.4	310
217	Monitoring and Understanding Changes in Heat Waves, Cold Waves, Floods, and Droughts in the United States: State of Knowledge. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 821-834	6.1	300
216	Rainfall and sampling uncertainties: A rain gauge perspective. <i>Journal of Geophysical Research</i> , 2008 , 113,		294
215	Flood frequency analysis for nonstationary annual peak records in an urban drainage basin. <i>Advances in Water Resources</i> , 2009 , 32, 1255-1266	4.7	292
214	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. <i>Journal of Climate</i> , 2014 , 27, 7994-8016	4.4	285
213	The changing nature of flooding across the central United States. <i>Nature Climate Change</i> , 2015 , 5, 250-254	5.4	279
212	Review of the Different Sources of Uncertainty in Single Polarization Radar-Based Estimates of Rainfall. <i>Surveys in Geophysics</i> , 2010 , 31, 107-129	7.6	278
211	Global Projections of Intense Tropical Cyclone Activity for the Late Twenty-First Century from Dynamical Downscaling of CMIP5/RCP4.5 Scenarios. <i>Journal of Climate</i> , 2015 , 28, 7203-7224	4.4	256
210	Dynamical Downscaling Projections of Twenty-First-Century Atlantic Hurricane Activity: CMIP3 and CMIP5 Model-Based Scenarios. <i>Journal of Climate</i> , 2013 , 26, 6591-6617	4.4	253
209	Winter floods in Britain are connected to atmospheric rivers. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	n/a	243
208	Urbanization exacerbated the rainfall and flooding caused by hurricane Harvey in Houston. <i>Nature</i> , 2018 , 563, 384-388	50.4	212
207	The detection of atmospheric rivers in atmospheric reanalyses and their links to British winter floods and the large-scale climatic circulation. <i>Journal of Geophysical Research</i> , 2012 , 117,		200
206	The nexus between atmospheric rivers and extreme precipitation across Europe. <i>Geophysical Research Letters</i> , 2013 , 40, 3259-3264	4.9	200
205	Flood peak distributions for the eastern United States. <i>Water Resources Research</i> , 2010 , 46,	5.4	179
204	Product-Error-Driven Uncertainty Model for Probabilistic Quantitative Precipitation Estimation with NEXRAD Data. <i>Journal of Hydrometeorology</i> , 2007 , 8, 1325-1347	3.7	178
203	On the frequency of heavy rainfall for the Midwest of the United States. <i>Journal of Hydrology</i> , 2011 , 400, 103-120	6	160
202	Future changes in atmospheric rivers and their implications for winter flooding in Britain. <i>Environmental Research Letters</i> , 2013 , 8, 034010	6.2	134

201	RADAR-Rainfall Uncertainties. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 87-94	6.1	132
200	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 997-1017	6.1	127
199	Changing Frequency of Heavy Rainfall over the Central United States. <i>Journal of Climate</i> , 2013 , 26, 351-357	4.4	124
198	Projected Increases in North Atlantic Tropical Cyclone Intensity from CMIP5 Models. <i>Journal of Climate</i> , 2013 , 26, 3231-3240	4.4	124
197	The contribution of atmospheric rivers to precipitation in Europe and the United States. <i>Journal of Hydrology</i> , 2015 , 522, 382-390	6	119
196	Nonstationary modeling of a long record of rainfall and temperature over Rome. <i>Advances in Water Resources</i> , 2010 , 33, 1256-1267	4.7	119
195	Statistical-Dynamical Predictions of Seasonal North Atlantic Hurricane Activity. <i>Monthly Weather Review</i> , 2011 , 139, 1070-1082	2.4	113
194	Mixture Distributions and the Hydroclimatology of Extreme Rainfall and Flooding in the Eastern United States. <i>Journal of Hydrometeorology</i> , 2011 , 12, 294-309	3.7	108
193	On the seasonality of flooding across the continental United States. <i>Advances in Water Resources</i> , 2016 , 87, 80-91	4.7	107
192	Twenty-first-century projections of North Atlantic tropical storms from CMIP5 models. <i>Nature Climate Change</i> , 2012 , 2, 604-607	21.4	106
191	Analyses of seasonal and annual maximum daily discharge records for central Europe. <i>Journal of Hydrology</i> , 2011 , 399, 299-312	6	106
190	Atmospheric Rivers and Flooding over the Central United States. <i>Journal of Climate</i> , 2013 , 26, 7829-7836	4.4	101
189	Examining Flood Frequency Distributions in the Midwest U.S.1. <i>Journal of the American Water Resources Association</i> , 2011 , 47, 447-463	2.1	100
188	Contribution of Tropical Cyclones to Rainfall at the Global Scale. <i>Journal of Climate</i> , 2017 , 30, 359-372	4.4	97
187	Modeling the Dependence of Tropical Storm Counts in the North Atlantic Basin on Climate Indices. <i>Monthly Weather Review</i> , 2010 , 138, 2681-2705	2.4	86
186	The Pacific Meridional Mode and the Occurrence of Tropical Cyclones in the Western North Pacific. <i>Journal of Climate</i> , 2016 , 29, 381-398	4.4	85
185	Anthropogenic intensification of short-duration rainfall extremes. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 107-122	30.2	83
184	Responses and impacts of atmospheric rivers to climate change. <i>Nature Reviews Earth & Environment</i> , 2020 , 1, 143-157	30.2	82

183	North Atlantic Tropical Cyclones and U.S. Flooding. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, 1381-1388	6.1	82
182	Joint projections of US East Coast sea level and storm surge. <i>Nature Climate Change</i> , 2015 , 5, 1114-1120	21.4	81
181	Recent trends in U.S. flood risk. <i>Geophysical Research Letters</i> , 2016 , 43, 12,428	4.9	80
180	Sensitivity of Tropical Cyclone Rainfall to Idealized Global-Scale Forcings*. <i>Journal of Climate</i> , 2014 , 27, 4622-4641	4.4	78
179	Evaluation of the research version TMPA three-hourly 0.25°D.25° rainfall estimates over Oklahoma. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	76
178	Empirically-based modeling of spatial sampling uncertainties associated with rainfall measurements by rain gauges. <i>Advances in Water Resources</i> , 2008 , 31, 1015-1023	4.7	73
177	Tropical cyclone sensitivities to CO2 doubling: roles of atmospheric resolution, synoptic variability and background climate changes. <i>Climate Dynamics</i> , 2019 , 53, 5999-6033	4.2	72
176	Modeling Extreme Rainfall, Winds, and Surge from Hurricane Isabel (2003). <i>Weather and Forecasting</i> , 2010 , 25, 1342-1361	2.1	72
175	A simulation study to examine the sensitivity of the Pettitt test to detect abrupt changes in mean. <i>Hydrological Sciences Journal</i> , 2016 , 61, 245-254	3.5	69
174	Mixed populations and annual flood frequency estimates in the western United States: The role of atmospheric rivers. <i>Water Resources Research</i> , 2017 , 53, 257-269	5.4	69
173	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		68
172	Modeling radar-rainfall estimation uncertainties using parametric and non-parametric approaches. <i>Advances in Water Resources</i> , 2008 , 31, 1674-1686	4.7	68
171	Analyses of extreme flooding in Austria over the period 1951-2006. <i>International Journal of Climatology</i> , 2012 , 32, 1178-1192	3.5	67
170	Intense Precipitation Events Associated with Landfalling Tropical Cyclones in Response to a Warmer Climate and Increased CO2. <i>Journal of Climate</i> , 2014 , 27, 4642-4654	4.4	67
169	Investigating the relationship between the frequency of flooding over the central United States and large-scale climate. <i>Advances in Water Resources</i> , 2016 , 92, 159-171	4.7	66
168	Extreme Flood Response: The June 2008 Flooding in Iowa. <i>Journal of Hydrometeorology</i> , 2013 , 14, 1810-1825	3.8	65
167	Analyses of a long-term, high-resolution radar rainfall data set for the Baltimore metropolitan region. <i>Water Resources Research</i> , 2012 , 48,	5.4	62
166	Product-error-driven generator of probable rainfall conditioned on WSR-88D precipitation estimates. <i>Water Resources Research</i> , 2009 , 45,	5.4	62

165	Estimating the frequency of extreme rainfall using weather radar and stochastic storm transposition. <i>Journal of Hydrology</i> , 2013 , 488, 150-165	6	61
164	Extreme rainfall activity in the Australian tropics reflects changes in the El Niño/Southern Oscillation over the last two millennia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4576-81	11.5	59
163	Urbanization and Climate Change: An Examination of Nonstationarities in Urban Flooding. <i>Journal of Hydrometeorology</i> , 2013 , 14, 1791-1809	3.7	58
162	Radar analyses of extreme rainfall and flooding in urban drainage basins. <i>Journal of Hydrology</i> , 2010 , 381, 266-286	6	58
161	Development of a High-Resolution Gridded Daily Meteorological Dataset over Sub-Saharan Africa: Spatial Analysis of Trends in Climate Extremes. <i>Journal of Climate</i> , 2014 , 27, 5815-5835	4.4	57
160	Improved Simulation of Tropical Cyclone Responses to ENSO in the Western North Pacific in the High-Resolution GFDL HiFLOR Coupled Climate Model*. <i>Journal of Climate</i> , 2016 , 29, 1391-1415	4.4	56
159	Detecting inhomogeneities in the Twentieth Century Reanalysis over the central United States. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		55
158	Spectrum of storm event hydrologic response in urban watersheds. <i>Water Resources Research</i> , 2013 , 49, 2649-2663	5.4	53
157	Seasonal Forecasts of Major Hurricanes and Landfalling Tropical Cyclones using a High-Resolution GFDL Coupled Climate Model. <i>Journal of Climate</i> , 2016 , 29, 7977-7989	4.4	53
156	Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations. <i>Journal of Climate</i> , 2013 , 26, 5337-5357	4.4	52
155	Analysis of changes in the magnitude, frequency, and seasonality of heavy precipitation over the contiguous USA. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 345-363	3	49
154	Estimation of radar-rainfall error spatial correlation. <i>Advances in Water Resources</i> , 2009 , 32, 1020-1030	4.7	49
153	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,		48
152	On the skill of numerical weather prediction models to forecast atmospheric rivers over the central United States. <i>Geophysical Research Letters</i> , 2014 , 41, 4354-4362	4.9	47
151	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	47
150	Towards probabilistic forecasting of flash floods: The combined effects of uncertainty in radar-rainfall and flash flood guidance. <i>Journal of Hydrology</i> , 2010 , 394, 275-284	6	47
149	Statistical-Dynamical Seasonal Forecast of North Atlantic and U.S. Landfalling Tropical Cyclones Using the High-Resolution GFDL FLOR Coupled Model. <i>Monthly Weather Review</i> , 2016 , 144, 2101-2123	2.4	46
148	Dominant Role of Atlantic Multidecadal Oscillation in the Recent Decadal Changes in Western North Pacific Tropical Cyclone Activity. <i>Geophysical Research Letters</i> , 2018 , 45, 354-362	4.9	45

147	North Atlantic Tropical Storm Frequency Response to Anthropogenic Forcing: Projections and Sources of Uncertainty. <i>Journal of Climate</i> , 2011 , 24, 3224-3238	4.4	45
146	Expansion and Contraction of the Indo-Pacific Tropical Rain Belt over the Last Three Millennia. <i>Scientific Reports</i> , 2016 , 6, 34485	4.9	44
145	Hydroclimatology of flash flooding in Atlanta. <i>Water Resources Research</i> , 2012 , 48,	5.4	44
144	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	43
143	Spatial and temporal modeling of radar rainfall uncertainties. <i>Atmospheric Research</i> , 2014 , 135-136, 91-104	4.1	43
142	U.S. Landfalling and North Atlantic Hurricanes: Statistical Modeling of Their Frequencies and Ratios. <i>Monthly Weather Review</i> , 2012 , 140, 44-65	2.4	42
141	Roles of climate and agricultural practices in discharge changes in an agricultural watershed in Iowa. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 204-211	5.7	41
140	An evaluation of the statistical homogeneity of the Twentieth Century Reanalysis. <i>Climate Dynamics</i> , 2014 , 42, 2841-2866	4.2	41
139	Is the recorded increase in short-duration North Atlantic tropical storms spurious?. <i>Journal of Geophysical Research</i> , 2011 , 116,		40
138	North Atlantic Power Dissipation Index (PDI) and Accumulated Cyclone Energy (ACE): Statistical Modeling and Sensitivity to Sea Surface Temperature Changes. <i>Journal of Climate</i> , 2012 , 25, 625-637	4.4	39
137	A long-term perspective of the hydroclimatological impacts of atmospheric rivers over the central United States. <i>Water Resources Research</i> , 2017 , 53, 1144-1166	5.4	38
136	Annual maximum and peaks-over-threshold analyses of daily rainfall accumulations for Austria. <i>Journal of Geophysical Research</i> , 2011 , 116,		38
135	The Hydrology and Hydrometeorology of Flooding in the Delaware River Basin. <i>Journal of Hydrometeorology</i> , 2010 , 11, 841-859	3.7	38
134	Sensitivity Studies of the Models of Radar-Rainfall Uncertainties. <i>Journal of Applied Meteorology and Climatology</i> , 2010 , 49, 288-309	2.7	37
133	Contribution of tropical cyclones to extreme rainfall in Australia. <i>International Journal of Climatology</i> , 2016 , 36, 1019-1025	3.5	37
132	Statistical-Dynamical Seasonal Forecast of Western North Pacific and East Asia Landfalling Tropical Cyclones using the GFDL FLOR Coupled Climate Model. <i>Journal of Climate</i> , 2017 , 30, 2209-2232	4.4	36
131	Modulation of western North Pacific tropical cyclone activity by the Atlantic Meridional Mode. <i>Climate Dynamics</i> , 2017 , 48, 631-647	4.2	35
130	Statistical model of the range-dependent error in radar-rainfall estimates due to the vertical profile of reflectivity. <i>Journal of Hydrology</i> , 2011 , 402, 306-316	6	35

129	The added value of IMERG in characterizing rainfall in tropical cyclones. <i>Atmospheric Research</i> , 2018 , 209, 95-102	5.4	33
128	Long term changes in flooding and heavy rainfall associated with North Atlantic tropical cyclones: Roles of the North Atlantic Oscillation and El Niño-Southern Oscillation. <i>Journal of Hydrology</i> , 2018 , 559, 698-710	6	32
127	Determining tropical cyclone inland flooding loss on a large scale through a new flood peak ratio-based methodology. <i>Environmental Research Letters</i> , 2013 , 8, 044056	6.2	32
126	Long-Term High-Resolution Radar Rainfall Fields for Urban Hydrology. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 713-734	2.1	31
125	Assessing Current and Future Freshwater Flood Risk from North Atlantic Tropical Cyclones via Insurance Claims. <i>Scientific Reports</i> , 2017 , 7, 41609	4.9	30
124	Enhancing the Predictability of Seasonal Streamflow With a Statistical-Dynamical Approach. <i>Geophysical Research Letters</i> , 2018 , 45, 6504-6513	4.9	30
123	Empirically based modelling of radar-rainfall uncertainties for a C-band radar at different time-scales. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009 , 135, 1424-1438	6.4	30
122	Evaluation of the skill of North-American Multi-Model Ensemble (NMME) Global Climate Models in predicting average and extreme precipitation and temperature over the continental USA. <i>Climate Dynamics</i> , 2019 , 53, 7381-7396	4.2	30
121	Contrasting the responses of extreme precipitation to changes in surface air and dew point temperatures. <i>Climatic Change</i> , 2019 , 154, 257-271	4.5	28
120	Heavy precipitation is highly sensitive to the magnitude of future warming. <i>Climatic Change</i> , 2017 , 145, 249-257	4.5	27
119	Atmosphere. Next season's hurricanes. <i>Science</i> , 2014 , 343, 618-9	33.3	27
118	Uncertainties in projected runoff over the conterminous United States. <i>Climatic Change</i> , 2018 , 150, 149-162	4.7	27
117	Uncovering the role of the East Asian jet stream and heterogeneities in atmospheric rivers affecting the western United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 891-896	11.5	26
116	Projected Changes in Intense Precipitation over Europe at the Daily and Subdaily Time Scales*. <i>Journal of Climate</i> , 2015 , 28, 6193-6203	4.4	26
115	Verification of the skill of numerical weather prediction models in forecasting rainfall from U.S. landfalling tropical cyclones. <i>Journal of Hydrology</i> , 2018 , 556, 1026-1037	6	25
114	Evaluating the Drivers of Seasonal Streamflow in the U.S. Midwest. <i>Water (Switzerland)</i> , 2017 , 9, 695	3	24
113	Multiseason Lead Forecast of the North Atlantic Power Dissipation Index (PDI) and Accumulated Cyclone Energy (ACE). <i>Journal of Climate</i> , 2013 , 26, 3631-3643	4.4	24
112	Extreme rainfall and flooding from orographic thunderstorms in the central Appalachians. <i>Water Resources Research</i> , 2011 , 47,	5.4	24

111	On the relationship between atmospheric rivers and high sea water levels along the U.S. West Coast. <i>Geophysical Research Letters</i> , 2016 , 43, 8815-8822	4.9	23
110	Influences of Natural Variability and Anthropogenic Forcing on the Extreme 2015 Accumulated Cyclone Energy in the Western North Pacific. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, S131-S135	6.1	22
109	Effect of radar-rainfall uncertainties on the spatial characterization of rainfall events. <i>Journal of Geophysical Research</i> , 2010 , 115,		22
108	Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20190542	3	22
107	On the statistical attribution of the frequency of flood events across the U.S. Midwest. <i>Advances in Water Resources</i> , 2019 , 127, 225-236	4.7	21
106	Atmospheric Rivers and Rainfall during NASA's Iowa Flood Studies (IFloodS) Campaign*. <i>Journal of Hydrometeorology</i> , 2016 , 17, 257-271	3.7	20
105	Analyses of annual and seasonal maximum daily rainfall accumulations for Ukraine, Moldova, and Romania. <i>International Journal of Climatology</i> , 2012 , 32, 2213-2226	3.5	20
104	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	5.4	20
103	Weighting of NMME temperature and precipitation forecasts across Europe. <i>Journal of Hydrology</i> , 2017 , 552, 646-659	6	20
102	Projections of heavy rainfall over the central United States based on CMIP5 models. <i>Atmospheric Science Letters</i> , 2013 , 14, 200-205	2.4	20
101	Accounting for Mixed Populations in Flood Frequency Analysis: Bulletin 17C Perspective. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019 , 24, 04019002	1.8	20
100	Effects of Rainfall on Vehicle Crashes in Six U.S. States. <i>Weather, Climate, and Society</i> , 2017 , 9, 53-70	2.3	19
99	Were global numerical weather prediction systems capable of forecasting the extreme Colorado rainfall of 9-16 September 2013?. <i>Geophysical Research Letters</i> , 2013 , 40, 6405-6410	4.9	19
98	Rainfall from tropical cyclones: high-resolution simulations and seasonal forecasts. <i>Climate Dynamics</i> , 2019 , 52, 5269-5289	4.2	18
97	Development of statistical models for at-site probabilistic seasonal rainfall forecast. <i>International Journal of Climatology</i> , 2012 , 32, 2197-2212	3.5	18
96	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	1.8	18
95	Impacts of the Pacific Meridional Mode on June-August precipitation in the Amazon River Basin. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 1936-1945	6.4	17
94	Incorporating climate change in flood estimation guidance. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20190548	3	17

93	Statistical-dynamical seasonal forecast of western North Pacific and East Asia landfalling tropical cyclones using the high-resolution GFDL FLOR coupled model. <i>Journal of Advances in Modeling Earth Systems</i> , 2016 , 8, 538-565	7.1	17
92	Stronger influences of increased CO2 on subdaily precipitation extremes than at the daily scale. <i>Geophysical Research Letters</i> , 2017 , 44, 7464-7471	4.9	16
91	Projected Changes in Discharge in an Agricultural Watershed in Iowa. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 1361-1371	2.1	16
90	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	3.7	16
89	Metastatistical Extreme Value Distribution applied to floods across the continental United States. <i>Advances in Water Resources</i> , 2020 , 136, 103498	4.7	16
88	On the weather types that shape the precipitation patterns across the U.S. Midwest. <i>Climate Dynamics</i> , 2019 , 53, 4217-4232	4.2	15
87	Global Changes in 20-Year, 50-Year, and 100-Year River Floods. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091824	4.9	15
86	Housing Market Fluctuations and the Implicit Price of Water Quality: Empirical Evidence from a South Florida Housing Market. <i>Environmental and Resource Economics</i> , 2017 , 68, 319-341	4.4	14
85	Improved ENSO Forecasting Using Bayesian Updating and the North American Multimodel Ensemble (NMME). <i>Journal of Climate</i> , 2017 , 30, 9007-9025	4.4	14
84	Evaluation of the Research-Version TMPA Rainfall Estimate at Its Finest Spatial and Temporal Scales over the Rome Metropolitan Area. <i>Journal of Applied Meteorology and Climatology</i> , 2010 , 49, 2591-2602	2.7	14
83	Deadly Compound Heat Stress-Flooding Hazard Across the Central United States. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089185	4.9	14
82	A dynamical statistical framework for seasonal streamflow forecasting in an agricultural watershed. <i>Climate Dynamics</i> , 2019 , 53, 7429-7445	4.2	14
81	Multi-model ensemble forecasting of North Atlantic tropical cyclone activity. <i>Climate Dynamics</i> , 2019 , 53, 7461-7477	4.2	14
80	On the impact of gaps on trend detection in extreme streamflow time series. <i>International Journal of Climatology</i> , 2017 , 37, 3976-3983	3.5	13
79	Analyses Through the Metastatistical Extreme Value Distribution Identify Contributions of Tropical Cyclones to Rainfall Extremes in the Eastern United States. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087238	4.9	13
78	Benthic control upon the morphology of transported fine sediments in a low-gradient stream. <i>Hydrological Processes</i> , 2014 , 28, 3776-3788	3.3	13
77	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	4.2	13
76	Flooding associated with predecessor rain events over the Midwest United States. <i>Environmental Research Letters</i> , 2013 , 8, 024007	6.2	13

75	Observed changes in flood hazard in Africa. <i>Environmental Research Letters</i> , 2020 , 15, 1040b5	6.2	13
74	Projected changes in extreme precipitation at sub-daily and daily time scales. <i>Global and Planetary Change</i> , 2019 , 182, 103004	4.2	12
73	An investigation of predictability dynamics of temperature and precipitation in reanalysis datasets over the continental United States. <i>Atmospheric Research</i> , 2017 , 183, 341-350	5.4	12
72	Statistically-based projected changes in the frequency of flood events across the U.S. Midwest. <i>Journal of Hydrology</i> , 2020 , 584, 124314	6	12
71	High resolution decadal precipitation predictions over the continental United States for impacts assessment. <i>Journal of Hydrology</i> , 2017 , 553, 559-573	6	11
70	Inference of Spatial Scaling Properties of Rainfall: Impact of Radar Rainfall Estimation Uncertainties. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2009 , 6, 812-815	4.1	11
69	Early prediction of the Indian summer monsoon rainfall by the Atlantic Meridional Mode. <i>Climate Dynamics</i> , 2020 , 54, 2337-2346	4.2	11
68	Soybean Area and Baseflow Driving Nitrate in Iowa's Raccoon River. <i>Journal of Environmental Quality</i> , 2016 , 45, 1949-1959	3.4	11
67	Changes in monthly baseflow across the U.S. Midwest. <i>Hydrological Processes</i> , 2019 , 33, 748-758	3.3	11
66	Examining the precipitation associated with medicanes in the high-resolution ERA-5 reanalysis data. <i>International Journal of Climatology</i> , 2021 , 41, E126	3.5	11
65	Examining the capability of reanalyses in capturing the temporal clustering of heavy precipitation across Europe. <i>Climate Dynamics</i> , 2019 , 53, 1845-1857	4.2	10
64	Remote sensing-based characterization of rainfall during atmospheric rivers over the central United States. <i>Journal of Hydrology</i> , 2018 , 556, 1038-1049	6	10
63	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	2.1	10
62	Tropical cyclone precipitation in the HighResMIP atmosphere-only experiments of the PRIMAVERA Project. <i>Climate Dynamics</i> , 2021 , 57, 253-273	4.2	10
61	Evaluation of global impact models' ability to reproduce runoff characteristics over the central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 9138-9159	4.4	9
60	Impact of different regression frameworks on the estimation of the scaling properties of radar rainfall. <i>Atmospheric Research</i> , 2007 , 86, 340-349	5.4	9
59	Changes in Atlantic major hurricane frequency since the late-19th century. <i>Nature Communications</i> , 2021 , 12, 4054	17.4	9
58	Seasonal forecasting of western North Pacific tropical cyclone frequency using the North American multi-model ensemble. <i>Climate Dynamics</i> , 2019 , 52, 5985-5997	4.2	8

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