

Vijay Singh

List of Publications by Year in Descending Order

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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.

265
papers

11,932
citations

50
h-index

100
g-index

273
ext. papers

14,595
ext. citations

4.7
avg, IF

7.31
L-index

#	Paper	IF	Citations
265	Spatial modeling of soil organic carbon using remotely sensed indices and environmental field inventory variables.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 152	3.1	0
264	A Stepwise and Dynamic C-Vine CopulaBased Approach for Nonstationary Monthly Streamflow Forecasts. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022 , 27,	1.8	2
263	Droughts across China: Drought factors, prediction and impacts. <i>Science of the Total Environment</i> , 2022 , 803, 150018	10.2	7
262	Drying in the low-latitude Atlantic Ocean contributed to terrestrial water storage depletion across Eurasia.. <i>Nature Communications</i> , 2022 , 13, 1849	17.4	1
261	Drought propagation under global warming: Characteristics, approaches, processes, and controlling factors.. <i>Science of the Total Environment</i> , 2022 , 156021	10.2	1
260	The Effect of Climate Change on Water Resources. <i>Springer Water</i> , 2022 , 95-118	0.3	
259	Mining Can Exacerbate Global Degradation of Dryland. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL029493	4.9	3
258	Impacts of Rossby Wave Packets and Atmospheric Rivers on Meteorological Drought in the Continental United States. <i>Water Resources Research</i> , 2021 , 57, e2021WR029966	5.4	1
257	Spatio-temporal pattern of ecological droughts and their impacts on health of vegetation in Northwestern China.. <i>Journal of Environmental Management</i> , 2021 , 305, 114356	7.9	3
256	Optimizing urban stormwater control strategies and assessing aquifer recharge through drywells in an urban watershed. <i>Hydrogeology Journal</i> , 2021 , 29, 1379-1398	3.1	2
255	Time series prediction of seasonal precipitation in Iran, using data-driven models: a comparison under different climatic conditions. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	7
254	The scenario-based variations and causes of future surface soil moisture across China in the twenty-first century. <i>Environmental Research Letters</i> , 2021 , 16, 034061	6.2	1
253	Effect of Uncertainty in Historical Data on Flood Frequency Analysis Using Bayesian Method. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021 , 26, 04021011	1.8	1
252	Feasibility of Calculating Standardized Precipitation Index with Short-Term Precipitation Data in China. <i>Atmosphere</i> , 2021 , 12, 603	2.7	2
251	Assessment of the total organic carbon employing the different nature-inspired approaches in the Nakdong River, South Korea. <i>Environmental Monitoring and Assessment</i> , 2021 , 193, 445	3.1	2
250	Characterization of agricultural drought propagation over China based on bivariate probabilistic quantification. <i>Journal of Hydrology</i> , 2021 , 598, 126194	6	12
249	Flood frequency analysis using generalized distributions and entropy-based model selection method. <i>Journal of Hydrology</i> , 2021 , 595, 125610	6	0

248	Influence of land surface aridification on regional monsoon precipitation in East Asian summer monsoon transition zone. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 93-102	3	2
247	Multi-timescale drought prediction using new hybrid artificial neural network models. <i>Natural Hazards</i> , 2021 , 106, 2461-2478	3	8
246	Nonstationary Ecological Instream Flow and Relevant Causes in the Huai River Basin, China. <i>Water (Switzerland)</i> , 2021 , 13, 484	3	3
245	Understanding the Mechanisms of Summer Extreme Precipitation Events in Xinjiang of Arid Northwest China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034111	4.4	3
244	A probability distribution for hydrological drought duration. <i>Journal of Hydrology</i> , 2021 , 599, 126479	6	1
243	Agricultural Drought Prediction Based on Conditional Distributions of Vine Copulas. <i>Water Resources Research</i> , 2021 , 57, e2021WR029562	5.4	5
242	Assessing hydrologic drought risk using multi-dimensional copulas: case study in Karkheh River basin. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	
241	Dynamic evolution and frequency analysis of hydrological drought from a three-dimensional perspective. <i>Journal of Hydrology</i> , 2021 , 600, 126675	6	2
240	Application of meteorological drought for assessing watershed health using fuzzy-based reliability, resilience, and vulnerability. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 66, 102616	4.5	1
239	Appraising standardized moisture anomaly index (SZI) in drought projection across China under CMIP6 forcing scenarios. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 37, 100898	3.6	2
238	Optimal wastewater allocation with the development of an SECA multi-criteria decision-making method. <i>Journal of Cleaner Production</i> , 2021 , 321, 129041	10.3	2
237	Fusion-based framework for meteorological drought modeling using remotely sensed datasets under climate change scenarios: Resilience, vulnerability, and frequency analysis. <i>Journal of Environmental Management</i> , 2021 , 297, 113283	7.9	2
236	Attribution of streamflow changes across the globe based on the Budyko framework. <i>Science of the Total Environment</i> , 2021 , 794, 148662	10.2	5
235	A global perspective on the probability of propagation of drought: From meteorological to soil moisture. <i>Journal of Hydrology</i> , 2021 , 603, 126907	6	6
234	A time-varying drought identification and frequency analyzation method: A case study of Jinsha River Basin. <i>Journal of Hydrology</i> , 2021 , 603, 126864	6	1
233	Blended Dry and Hot Events Index for Monitoring Dry-Hot Events Over Global Land Areas. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	1
232	EMD and LSTM Hybrid Deep Learning Model for Predicting Sunspot Number Time Series with a Cyclic Pattern. <i>Solar Physics</i> , 2020 , 295, 1	2.6	9
231	Assessing the biochemical oxygen demand using neural networks and ensemble tree approaches in South Korea. <i>Journal of Environmental Management</i> , 2020 , 270, 110834	7.9	17

230	Spatial and Temporal Characterization of Drought Events in China Using the Severity-Area-Duration Method. <i>Water (Switzerland)</i> , 2020 , 12, 230	3	11
229	Compound Events under Global Warming: A Dependence Perspective. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 03120001	1.8	12
228	Drought risk assessment in China: Evaluation framework and influencing factors. <i>Geography and Sustainability</i> , 2020 , 1, 220-228	7.3	12
227	Mathematical modelling to establish the influence of pesticides on groundwater contamination. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	1
226	Accounting for temporal variability for improved precipitation regionalization based on self-organizing map coupled with information theory. <i>Journal of Hydrology</i> , 2020 , 590, 125236	6	12
225	Impacts of anthropogenic warming and uneven regional socio-economic development on global river flood risk. <i>Journal of Hydrology</i> , 2020 , 590, 125262	6	12
224	Detection and attribution of abrupt shift in minor periods in human-impacted streamflow. <i>Journal of Hydrology</i> , 2020 , 584, 124637	6	7
223	The changing nature and projection of floods across Australia. <i>Journal of Hydrology</i> , 2020 , 584, 124703	6	6
222	A global quantitation of factors affecting evapotranspiration variability. <i>Journal of Hydrology</i> , 2020 , 584, 124688	6	11
221	A hybrid statistical model for ecological risk integral assessment of PAHs in sediments. <i>Journal of Hydrology</i> , 2020 , 583, 124612	6	8
220	Stochastic simulation on reproducing long-term memory of hydroclimatological variables using deep learning model. <i>Journal of Hydrology</i> , 2020 , 582, 124540	6	19
219	. <i>IEEE Access</i> , 2020 , 8, 51884-51904	3.5	29
218	Efficient irrigation water allocation and its impact on agricultural sustainability and water scarcity under uncertainty. <i>Journal of Hydrology</i> , 2020 , 586, 124888	6	23
217	Sustainability of water and energy use for food production based on optimal allocation of agricultural irrigation water. <i>International Journal of Water Resources Development</i> , 2020 , 36, 528-546	3	11
216	Does summer precipitation in China exhibit significant periodicities?. <i>Journal of Hydrology</i> , 2020 , 581, 124289	6	3
215	Streamflow and rainfall forecasting by two long short-term memory-based models. <i>Journal of Hydrology</i> , 2020 , 583, 124296	6	58
214	Extended growing season reduced river runoff in Luanhe River basin. <i>Journal of Hydrology</i> , 2020 , 582, 124538	6	13
213	Effect of zeolite and pumice powders on the environmental and physical characteristics of green concrete filters. <i>Construction and Building Materials</i> , 2020 , 240, 117931	6.7	16

212	Modelling groundwater-dependent vegetation index using Entropy theory. <i>Ecological Modelling</i> , 2020 , 416, 108916	3	9
211	Wintertime precipitation in eastern China and relation to the Madden-Julian oscillation: Spatiotemporal properties, impacts and causes. <i>Journal of Hydrology</i> , 2020 , 582, 124477	6	7
210	Developing a novel method for estimating parameters of Kostiaikov-Lewis infiltration equation. <i>Irrigation Science</i> , 2020 , 38, 189-198	3.1	5
209	A remote sensing and artificial neural network-based integrated agricultural drought index: Index development and applications. <i>Catena</i> , 2020 , 186, 104394	5.8	32
208	Intensifying effects of El Niño events on winter precipitation extremes in southeastern China. <i>Climate Dynamics</i> , 2020 , 54, 631-648	4.2	20
207	Tradeoff for water resources allocation based on updated probabilistic assessment of matching degree between water demand and water availability. <i>Science of the Total Environment</i> , 2020 , 716, 134923	10.2	4
206	Impact of dependence changes on the likelihood of hot extremes under drought conditions in the United States. <i>Journal of Hydrology</i> , 2020 , 581, 124410	6	16
205	Flash-flood hazard assessment using ensembles and Bayesian-based machine learning models: Application of the simulated annealing feature selection method. <i>Science of the Total Environment</i> , 2020 , 711, 135161	10.2	110
204	Estimation of evaporation from saline water. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 694	3.1	6
203	Uncertainty analysis of water quality index (WQI) for groundwater quality evaluation: Application of Monte-Carlo method for weight allocation. <i>Ecological Indicators</i> , 2020 , 117, 106653	5.8	29
202	Susceptibility Mapping of Soil Water Erosion Using Machine Learning Models. <i>Water (Switzerland)</i> , 2020 , 12, 1995	3	34
201	Double increase in precipitation extremes across China in a 1.5 °C/2.0 °C warmer climate. <i>Science of the Total Environment</i> , 2020 , 746, 140807	10.2	16
200	Solute transport model equation for mobile phase in semi-infinite porous media. <i>Groundwater for Sustainable Development</i> , 2020 , 11, 100411	6	1
199	Mass wasting susceptibility assessment of snow avalanches using machine learning models. <i>Scientific Reports</i> , 2020 , 10, 18363	4.9	23
198	Analysis of uncertainty and non-stationarity in probable maximum precipitation in Brazos River basin. <i>Journal of Hydrology</i> , 2020 , 590, 125526	6	3
197	Multivariate Hazard Assessment for Nonstationary Seasonal Flood Extremes Considering Climate Change. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032780	4.4	2
196	Estimation of Evaporation from Saline-Water with More Efficient Input Variables. <i>Pure and Applied Geophysics</i> , 2020 , 177, 5599-5619	2.2	12
195	Spatiotemporal distribution of soil moisture in gully facies. <i>International Soil and Water Conservation Research</i> , 2020 , 8, 15-25	6.9	3

194	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. <i>Science of the Total Environment</i> , 2020 , 701, 134474	10.2	58
193	Forecasting of droughts and tree mortality under global warming: a review of causative mechanisms and modeling methods. <i>Journal of Water and Climate Change</i> , 2020 , 11, 600-632	2.3	15
192	Earth fissure hazard prediction using machine learning models. <i>Environmental Research</i> , 2019 , 179, 108770	7.0	37
191	Applying the remotely sensed data to identify homogeneous regions of watersheds using a pixel-based classification approach. <i>Applied Geography</i> , 2019 , 111, 102071	4.4	8
190	Propagation from meteorological drought to hydrological drought under the impact of human activities: A case study in northern China. <i>Journal of Hydrology</i> , 2019 , 579, 124147	6	49
189	Spatiotemporal dynamics assessment of snow cover to infer snowline elevation mobility in the mountainous regions. <i>Cold Regions Science and Technology</i> , 2019 , 167, 102870	3.8	7
188	Pareto Optimal Multigene Genetic Programming for Prediction of Longitudinal Dispersion Coefficient. <i>Water Resources Management</i> , 2019 , 33, 905-921	3.7	23
187	Attribution of Global Soil Moisture Drying to Human Activities: A Quantitative Viewpoint. <i>Geophysical Research Letters</i> , 2019 , 46, 2573-2582	4.9	45
186	Impact of urbanization on nonstationarity of annual and seasonal precipitation extremes in China. <i>Journal of Hydrology</i> , 2019 , 575, 638-655	6	30
185	Development of an analytical method for estimating Manning's coefficient of roughness for border irrigation. <i>Irrigation Science</i> , 2019 , 37, 523-531	3.1	7
184	Intensification and Expansion of Soil Moisture Drying in Warm Season Over Eurasia Under Global Warming. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3765-3782	4.4	22
183	Potential contributions of climate change and urbanization to precipitation trends across China at national, regional and local scales. <i>International Journal of Climatology</i> , 2019 , 39, 2998-3012	3.5	14
182	Analysis of daily streamflow complexity by Kolmogorov measures and Lyapunov exponent. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 525, 290-303	3.3	10
181	Stochastic multi-objective modeling for optimization of water-food-energy nexus of irrigated agriculture. <i>Advances in Water Resources</i> , 2019 , 127, 209-224	4.7	75
180	Understanding the Spatiotemporal Links Between Meteorological and Hydrological Droughts From a Three-Dimensional Perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3090-3109	4.4	32
179	On the mechanisms of two composite methods for construction of multivariate drought indices. <i>Science of the Total Environment</i> , 2019 , 647, 981-991	10.2	22
178	Dry-hot magnitude index: a joint indicator for compound event analysis. <i>Environmental Research Letters</i> , 2019 , 14, 064017	6.2	20
177	Reliable, Resilient, and Sustainable Water Management in Different Water Use Sectors. <i>Water Conservation Science and Engineering</i> , 2019 , 4, 133-148	1.6	6

176	Three dimensional characterization of meteorological and hydrological droughts and their probabilistic links. <i>Journal of Hydrology</i> , 2019 , 578, 124016	6	28
175	Comparison of different methods for detecting change points in hydroclimatic time series. <i>Journal of Hydrology</i> , 2019 , 577, 123973	6	6
174	Snow avalanche hazard prediction using machine learning methods. <i>Journal of Hydrology</i> , 2019 , 577, 123929	6	62
173	Modified Palmer Drought Severity Index: Model improvement and application. <i>Environment International</i> , 2019 , 130, 104951	12.9	39
172	A monitoring and prediction system for compound dry and hot events. <i>Environmental Research Letters</i> , 2019 , 14, 114034	6.2	19
171	Global Attribution of Runoff Variance Across Multiple Timescales. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 13962-13974	4.4	11
170	Agricultural drought monitoring across Inner Mongolia, China: Model development, spatiotemporal patterns and impacts. <i>Journal of Hydrology</i> , 2019 , 571, 793-804	6	36
169	Statistical prediction of the severity of compound dry-hot events based on El Niño-Southern Oscillation. <i>Journal of Hydrology</i> , 2019 , 572, 243-250	6	18
168	Terrestrial Water Storage in China: Spatiotemporal Pattern and Driving Factors. <i>Sustainability</i> , 2019 , 11, 6646	3.6	4
167	Hydrological Drought Regimes of the Huai River Basin, China: Probabilistic Behavior, Causes and Implications. <i>Water (Switzerland)</i> , 2019 , 11, 2390	3	6
166	Evaluation of daily solar radiation flux using soft computing approaches based on different meteorological information: peninsula vs continent. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 693-712	3.7	20
165	Is Himalayan-Tibetan Plateau "drying"? Historical estimations and future trends of surface soil moisture. <i>Science of the Total Environment</i> , 2019 , 658, 374-384	10.2	16
164	Multisource data based agricultural drought monitoring and agricultural loss in China. <i>Global and Planetary Change</i> , 2019 , 172, 298-306	4.2	35
163	An ensemble prediction of flood susceptibility using multivariate discriminant analysis, classification and regression trees, and support vector machines. <i>Science of the Total Environment</i> , 2019 , 651, 2087-2096	10.2	303
162	Analytical solution of two-dimensional advection-dispersion equation with spatio-temporal coefficients for point sources in an infinite medium using Green's function method. <i>Environmental Fluid Mechanics</i> , 2018 , 18, 739-757	2.2	6
161	Tropical Cyclonic Rainfall in China: Changing Properties, Seasonality, and Causes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4476-4489	4.4	19
160	Systems of frequency distributions for water and environmental engineering. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 506, 50-74	3.3	2
159	Nonparametric Integrated Agrometeorological Drought Monitoring: Model Development and Application. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 73-88	4.4	25

158	Entropy-Aided Evaluation of Meteorological Droughts Over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 740-749	4.4	8
157	Seasonal Drought Prediction: Advances, Challenges, and Future Prospects. <i>Reviews of Geophysics</i> , 2018 , 56, 108-141	23.1	187
156	Entropy-based derivation of generalized distributions for hydrometeorological frequency analysis. <i>Journal of Hydrology</i> , 2018 , 557, 699-712	6	38
155	Is the Pearl River basin, China, drying or wetting? Seasonal variations, causes and implications. <i>Global and Planetary Change</i> , 2018 , 166, 48-61	4.2	10
154	Solute transport in a semi-infinite homogeneous aquifer with a fixed point source concentration. <i>Environmental Fluid Mechanics</i> , 2018 , 18, 1121-1142	2.2	
153	Ecological and health risk assessment of PAHs, OCPs, and PCBs in Taihu Lake basin. <i>Ecological Indicators</i> , 2018 , 92, 171-180	5.8	30
152	Spatiotemporal Patterns of Extreme Temperature across the Huai River Basin, China, during 1961-2014, and Regional Responses to Global Changes. <i>Sustainability</i> , 2018 , 10, 1236	3.6	2
151	Application of cubic spline in soil erosion modeling from Narmada Watersheds, India. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	11
150	Compound Extremes in Hydroclimatology: A Review. <i>Water (Switzerland)</i> , 2018 , 10, 718	3	47
149	A novel machine learning-based approach for the risk assessment of nitrate groundwater contamination. <i>Science of the Total Environment</i> , 2018 , 644, 954-962	10.2	152
148	A multivariate approach for statistical assessments of compound extremes. <i>Journal of Hydrology</i> , 2018 , 565, 87-94	6	26
147	Evaluation of Remotely Sensed and Reanalysis Soil Moisture Against In Situ Observations on the Himalayan-Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7132-7148	4.4	19
146	Comparison of different heuristic and decomposition techniques for river stage modeling. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 392	3.1	11
145	Drought Analysis in the Yellow River Basin Based on a Short-Scalar Palmer Drought Severity Index. <i>Water (Switzerland)</i> , 2018 , 10, 1526	3	17
144	Changes in the severity of compound drought and hot extremes over global land areas. <i>Environmental Research Letters</i> , 2018 , 13, 124022	6.2	50
143	Nonstationarity-based evaluation of flood frequency and flood risk in the Huai River basin, China. <i>Journal of Hydrology</i> , 2018 , 567, 393-404	6	20
142	Analysis of sediment rating loops and particle size distributions to characterize sediment source at mid-sized plot scale. <i>Catena</i> , 2018 , 167, 221-227	5.8	17
141	Hydrologic modeling: progress and future directions. <i>Geoscience Letters</i> , 2018 , 5,	3.5	46

140	Spatial prediction of soil erosion susceptibility using a fuzzy analytical network process: Application of the fuzzy decision making trial and evaluation laboratory approach. <i>Land Degradation and Development</i> , 2018 , 29, 3092-3103	4.4	50
139	Nonstationarity-based evaluation of flood risk in the Pearl River basin: changing patterns, causes and implications. <i>Hydrological Sciences Journal</i> , 2017 , 62, 246-258	3.5	15
138	Long-term trend and variability of precipitation in Chhattisgarh State, India. <i>Theoretical and Applied Climatology</i> , 2017 , 129, 729-744	3	48
137	Spatiotemporal patterns of annual and seasonal precipitation extreme distributions across China and potential impact of tropical cyclones. <i>International Journal of Climatology</i> , 2017 , 37, 3949-3962	3.5	20
136	Summer extreme precipitation in eastern China: Mechanisms and impacts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 2766-2778	4.4	54
135	An integrated package for drought monitoring, prediction and analysis to aid drought modeling and assessment. <i>Environmental Modelling and Software</i> , 2017 , 91, 199-209	5.2	48
134	Response of vegetation to different time-scales drought across China: Spatiotemporal patterns, causes and implications. <i>Global and Planetary Change</i> , 2017 , 152, 1-11	4.2	102
133	An Overview of Drought Monitoring and Prediction Systems at Regional and Global Scales. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 1879-1896	6.1	67
132	Changes in magnitude and frequency of heavy precipitation across China and its potential links to summer temperature. <i>Journal of Hydrology</i> , 2017 , 547, 718-731	6	45
131	Non-point source contribution and dynamics of soluble and particulate phosphorus from main tributaries of the Zarivar Lake watershed, Iran. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 238	3.1	6
130	Kinematic Wave Theory of Overland Flow. <i>Water Resources Management</i> , 2017 , 31, 3147-3160	3.7	9
129	Challenges in meeting water security and resilience. <i>Water International</i> , 2017 , 42, 349-359	2.4	11
128	Variations of dryness/wetness across China: Changing properties, drought risks, and causes. <i>Global and Planetary Change</i> , 2017 , 155, 1-12	4.2	22
127	Toward a categorical drought prediction system based on U.S. Drought Monitor (USDM) and climate forecast. <i>Journal of Hydrology</i> , 2017 , 551, 300-305	6	15
126	Non-stationarities in the occurrence rate of heavy precipitation across China and its relationship to climate teleconnection patterns. <i>International Journal of Climatology</i> , 2017 , 37, 4186-4198	3.5	17
125	Modelling soil erosion from a watershed using cubic splines. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	10
124	Contribution of multiple climatic variables and human activities to streamflow changes across China. <i>Journal of Hydrology</i> , 2017 , 545, 145-162	6	96
123	Experimental and AI-based numerical modeling of contaminant transport in porous media. <i>Journal of Contaminant Hydrology</i> , 2017 , 205, 78-95	3.9	6

122	Multisource Data-Based Integrated Agricultural Drought Monitoring in the Huai River Basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10,751-10,772	4.4	27
121	Dynamics of suspended sediment concentration, flow discharge and sediment particle size interdependency to identify sediment source. <i>Journal of Hydrology</i> , 2017 , 554, 100-110	6	13
120	Deducing Climatic Elasticity to Assess Projected Climate Change Impacts on Streamflow Change across China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10,228-10,245	4.4	16
119	A multiscalar Palmer drought severity index. <i>Geophysical Research Letters</i> , 2017 , 44, 6850-6858	4.9	34
118	Quantitative risk assessment of the effects of drought on extreme temperature in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 9050-9059	4.4	24
117	Nonstationarity and clustering of flood characteristics and relations with the climate indices in the Poyang Lake basin, China. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1809-1824	3.5	15
116	Optimizing streamflow monitoring networks using joint permutation entropy. <i>Journal of Hydrology</i> , 2017 , 552, 306-312	6	19
115	Modeling the probability distribution of peak discharge for infiltrating hillslopes. <i>Water Resources Research</i> , 2017 , 53, 6018-6032	5.4	12
114	Hydrologic model-based Palmer indices for drought characterization in the Yellow River basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1401-1420	3.5	27
113	Precipitation variability and response to changing climatic condition in the Yarlung Tsangpo River basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 8820-8831	4.4	35
112	Combined use of meteorological drought indices at multi-time scales for improving hydrological drought detection. <i>Science of the Total Environment</i> , 2016 , 571, 1058-68	10.2	41
111	A Statistical Method for Categorical Drought Prediction Based on NLDAS-2. <i>Journal of Applied Meteorology and Climatology</i> , 2016 , 55, 1049-1061	2.7	23
110	River Stage Forecasting Using Wavelet Packet Decomposition and Machine Learning Models. <i>Water Resources Management</i> , 2016 , 30, 4011-4035	3.7	33
109	Stochastic simulation of precipitation data for preserving key statistics in their original domain and application to climate change analysis. <i>Theoretical and Applied Climatology</i> , 2016 , 124, 91-102	3	6
108	Overland Flow Times of Concentration for Hillslopes of Complex Topography. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04015059	1.1	24
107	Impacts of ENSO and ENSO Modoki+A regimes on seasonal precipitation variations and possible underlying causes in the Huai River basin, China. <i>Journal of Hydrology</i> , 2016 , 533, 308-319	6	43
106	Analytical Solution of Kinematic Wave Time of Concentration for Overland Flow under Green-Ampt Infiltration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 04015072	1.8	20
105	Probabilistic drought characterization in the categorical form using ordinal regression. <i>Journal of Hydrology</i> , 2016 , 535, 331-339	6	14

104	Transitional properties of droughts and related impacts of climate indices in the Pearl River basin, China. <i>Journal of Hydrology</i> , 2016 , 534, 397-406	6	39
103	Review of dependence modeling in hydrology and water resources. <i>Progress in Physical Geography</i> , 2016 , 40, 549-578	3.5	67
102	Entropy-based spatiotemporal patterns of precipitation regimes in the Huai River basin, China. <i>International Journal of Climatology</i> , 2016 , 36, 2335-2344	3.5	9
101	A theoretical drought classification method for the multivariate drought index based on distribution properties of standardized drought indices. <i>Advances in Water Resources</i> , 2016 , 92, 240-247	4.7	34
100	A general framework for multivariate multi-index drought prediction based on Multivariate Ensemble Streamflow Prediction (MESP). <i>Journal of Hydrology</i> , 2016 , 539, 1-10	6	36
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