

Vijay Singh

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.

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	A review of drought concepts. <i>Journal of Hydrology</i> , 2010 , 391, 202-216	6	2417
264	Drought modeling [A review]. <i>Journal of Hydrology</i> , 2011 , 403, 157-175	6	526
263	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
262	Bivariate rainfall frequency distributions using Archimedean copulas. <i>Journal of Hydrology</i> , 2007 , 332, 93-109	6	298
261	Drought characterization from a multivariate perspective: A review. <i>Journal of Hydrology</i> , 2015 , 527, 668-678	6	268
260	Observed trends of annual maximum water level and streamflow during past 130 years in the Yangtze River basin, China. <i>Journal of Hydrology</i> , 2006 , 324, 255-265	6	251
259	Variations in droughts over China: 1951–2003. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	245
258	Possible influence of ENSO on annual maximum streamflow of the Yangtze River, China. <i>Journal of Hydrology</i> , 2007 , 333, 265-274	6	231
257	Seasonal Drought Prediction: Advances, Challenges, and Future Prospects. <i>Reviews of Geophysics</i> , 2018 , 56, 108-141	23.1	187
256	Daily water level forecasting using wavelet decomposition and artificial intelligence techniques. <i>Journal of Hydrology</i> , 2015 , 520, 224-243	6	175
255	Influences of ENSO, NAO, IOD and PDO on seasonal precipitation regimes in the Yangtze River basin, China. <i>International Journal of Climatology</i> , 2015 , 35, 3556-3567	3.5	171
254	A Two-source Trapezoid Model for Evapotranspiration (TTME) from satellite imagery. <i>Remote Sensing of Environment</i> , 2012 , 121, 370-388	13.2	159
253	Meta-elliptical copulas for drought frequency analysis of periodic hydrologic data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 425-444	3.5	156
252	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
251	Multivariate drought index: An information theory based approach for integrated drought assessment. <i>Journal of Hydrology</i> , 2015 , 526, 164-182	6	129
250	An entropy-based investigation into the variability of precipitation. <i>Journal of Hydrology</i> , 2009 , 370, 139-154	6.54	121
249	Frequency analysis of droughts using the Plackett copula and parameter estimation by genetic algorithm. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 783-805	3.5	118

248	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
247	Comparison of multi-monthly rainfall-based drought severity indices, with application to semi-arid Konya closed basin, Turkey. <i>Journal of Hydrology</i> , 2012 , 470-471, 255-268	6	108
246	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
245	Analysis of the periods of maximum consecutive wet days in China. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		97
244	Contribution of multiple climatic variables and human activities to streamflow changes across China. <i>Journal of Hydrology</i> , 2017 , 545, 145-162	6	96
243	Long Lead Time Drought Forecasting Using a Wavelet and Fuzzy Logic Combination Model: A Case Study in Texas. <i>Journal of Hydrometeorology</i> , 2012 , 13, 284-297	3.7	92
242	Statistical behaviours of precipitation regimes in China and their links with atmospheric circulation 1960-2005. <i>International Journal of Climatology</i> , 2011 , 31, 1665-1678	3.5	83
241	Spatial-temporal changes of precipitation structure across the Pearl River basin, China. <i>Journal of Hydrology</i> , 2012 , 440-441, 113-122	6	82
240	Spatial-temporal precipitation changes (1956-2000) and their implications for agriculture in China. <i>Global and Planetary Change</i> , 2012 , 82-83, 86-95	4.2	79
239	SPI-based evaluation of drought events in Xinjiang, China. <i>Natural Hazards</i> , 2012 , 64, 481-492	3	78
238	The day-to-day monitoring of the 2011 severe drought in China. <i>Climate Dynamics</i> , 2014 , 43, 1-9	4.2	77
237	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
236	A modified surface energy balance algorithm for land (M-SEBAL) based on a trapezoidal framework. <i>Water Resources Research</i> , 2012 , 48,	5.4	72
235	Low frequency drought variability associated with climate indices. <i>Journal of Hydrology</i> , 2009 , 364, 152-162		71
234	Copula-based stochastic simulation of hydrological data applied to Nile River flows 2011 , 42, 318-330		71
233	Regional Frequency Analysis of Droughts in China: A Multivariate Perspective. <i>Water Resources Management</i> , 2015 , 29, 1767-1787	3.7	69
232	Rainfall entropy for delineation of water resources zones in Japan. <i>Journal of Hydrology</i> , 2001 , 246, 36-46		68
231	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

230	Anatomy of a local-scale drought: Application of assimilated remote sensing products, crop model, and statistical methods to an agricultural drought study. <i>Journal of Hydrology</i> , 2015 , 526, 15-29	6	67
229	Review of dependence modeling in hydrology and water resources. <i>Progress in Physical Geography</i> , 2016 , 40, 549-578	3.5	67
228	Parameter estimation for fractional dispersion model for rivers. <i>Environmental Fluid Mechanics</i> , 2006 , 6, 451-475	2.2	65
227	2013 ,		64
226	Snow avalanche hazard prediction using machine learning methods. <i>Journal of Hydrology</i> , 2019 , 577, 123929	6	62
225	A copula-based precipitation forecasting model: Investigating the interdecadal modulation of ENSO's impacts on monthly precipitation. <i>Water Resources Research</i> , 2014 , 50, 580-600	5.4	62
224	Multiple duration limited water level and dynamic limited water level for flood control, with implications on water supply. <i>Journal of Hydrology</i> , 2008 , 354, 160-170	6	60
223	Entropy-based assessment and clustering of potential water resources availability. <i>Journal of Hydrology</i> , 2005 , 309, 104-113	6	60
222	A Rain Duration and Modified AMC-dependent SCS-CN Procedure for Long Duration Rainfall-runoff Events. <i>Water Resources Management</i> , 2008 , 22, 861-876	3.7	58
221	Streamflow and rainfall forecasting by two long short-term memory-based models. <i>Journal of Hydrology</i> , 2020 , 583, 124296	6	58
220	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
219	Summer extreme precipitation in eastern China: Mechanisms and impacts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 2766-2778	4.4	54
218	Vegetation response to precipitation across the aridity gradient of the southwestern United states. <i>Journal of Arid Environments</i> , 2015 , 115, 35-43	2.5	53
217	Nonparametric Simulation of Single-Site Seasonal Streamflows. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010 , 15, 284-296	1.8	52
216	An evaluation of impacts of DEM resolution and parameter correlation on TOPMODEL modeling uncertainty. <i>Journal of Hydrology</i> , 2010 , 394, 370-383	6	50
215	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
214	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
213	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

212	Long-term trend and variability of precipitation in Chhattisgarh State, India. <i>Theoretical and Applied Climatology</i> , 2017 , 129, 729-744	3	48
211	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
210	Compound Extremes in Hydroclimatology: A Review. <i>Water (Switzerland)</i> , 2018 , 10, 718	3	47
209	Hydrologic modeling: progress and future directions. <i>Geoscience Letters</i> , 2018 , 5,	3.5	46
208	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
207	Attribution of Global Soil Moisture Drying to Human Activities: A Quantitative Viewpoint. <i>Geophysical Research Letters</i> , 2019 , 46, 2573-2582	4.9	45
206	Spatiotemporal properties of droughts and related impacts on agriculture in Xinjiang, China. <i>International Journal of Climatology</i> , 2015 , 35, 1254-1266	3.5	44
205	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
204	Entropy approach for 2D velocity distribution in open-channel flow. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011 , 49, 784-790	1.9	43
203	At-a-station hydraulic geometry relations, 1: theoretical development. <i>Hydrological Processes</i> , 2008 , 22, 189-215	3.3	42
202	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
201	Probabilistic prediction of hydrologic drought using a conditional probability approach based on the meta-Gaussian model. <i>Journal of Hydrology</i> , 2016 , 542, 772-780	6	41
200	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
199	Modified Palmer Drought Severity Index: Model improvement and application. <i>Environment International</i> , 2019 , 130, 104951	12.9	39
198	Entropy-based derivation of generalized distributions for hydrometeorological frequency analysis. <i>Journal of Hydrology</i> , 2018 , 557, 699-712	6	38
197	Entropy theory for derivation of infiltration equations. <i>Water Resources Research</i> , 2010 , 46,	5.4	38
196	CEREF: A hybrid data-driven model for forecasting annual streamflow from a socio-hydrological system. <i>Journal of Hydrology</i> , 2016 , 540, 246-256	6	38
195	Earth fissure hazard prediction using machine learning models. <i>Environmental Research</i> , 2019 , 179, 108770	7.9	37

194	Trend, periodicity and abrupt change in streamflow of the East River, the Pearl River basin. <i>Hydrological Processes</i> , 2014 , 28, 305-314	3-3	37
193	Stochastic observation error and uncertainty in water quality evaluation. <i>Advances in Water Resources</i> , 2009 , 32, 1526-1534	4-7	37
192	Estimating Palmer Drought Severity Index using a wavelet fuzzy logic model based on meteorological variables. <i>International Journal of Climatology</i> , 2011 , 31, 2021-2032	3-5	36
191	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
190	Agricultural drought monitoring across Inner Mongolia, China: Model development, spatiotemporal patterns and impacts. <i>Journal of Hydrology</i> , 2019 , 571, 793-804	6	36
189	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
188	Multisource data based agricultural drought monitoring and agricultural loss in China. <i>Global and Planetary Change</i> , 2019 , 172, 298-306	4-2	35
187	Estimating Spatial Precipitation Using Regression Kriging and Artificial Neural Network Residual Kriging (RKNNRK) Hybrid Approach. <i>Water Resources Management</i> , 2015 , 29, 2189-2204	3-7	34
186	A multiscale Palmer drought severity index. <i>Geophysical Research Letters</i> , 2017 , 44, 6850-6858	4-9	34
185	Comparison of detrending methods for fluctuation analysis in hydrology. <i>Journal of Hydrology</i> , 2011 , 400, 121-132	6	34
184	Susceptibility Mapping of Soil Water Erosion Using Machine Learning Models. <i>Water (Switzerland)</i> , 2020 , 12, 1995	3	34
183	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
182	River Stage Forecasting Using Wavelet Packet Decomposition and Machine Learning Models. <i>Water Resources Management</i> , 2016 , 30, 4011-4035	3-7	33
181	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
180	Flood frequency analysis with consideration of hydrological alterations: Changing properties, causes and implications. <i>Journal of Hydrology</i> , 2014 , 519, 803-813	6	32
179	An entropy-based method for determining the flow depth distribution in natural channels. <i>Journal of Hydrology</i> , 2013 , 497, 176-188	6	32
178	Stationarity of annual flood peaks during 1951-2010 in the Pearl River basin, China. <i>Journal of Hydrology</i> , 2014 , 519, 3263-3274	6	32
177	Multivariate modeling of droughts using copulas and meta-heuristic methods. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 475-489	3-5	32

176	At-a-station hydraulic geometry relations, 2: calibration and testing. <i>Hydrological Processes</i> , 2008 , 22, 216-228	3.3	32
175	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
174	Impact of urbanization on nonstationarity of annual and seasonal precipitation extremes in China. <i>Journal of Hydrology</i> , 2019 , 575, 638-655	6	30
173	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
172	New variants of the Palmer drought scheme capable of integrated utility. <i>Journal of Hydrology</i> , 2014 , 519, 1108-1119	6	30
171	Entropy theory for movement of moisture in soils. <i>Water Resources Research</i> , 2010 , 46,	5.4	30
170	. <i>IEEE Access</i> , 2020 , 8, 51884-51904	3.5	29
169	Derivation of time of concentration. <i>Journal of Hydrology</i> , 1976 , 30, 147-165	6	29
168	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
167	Three dimensional characterization of meteorological and hydrological droughts and their probabilistic links. <i>Journal of Hydrology</i> , 2019 , 578, 124016	6	28
166	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
165	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
164	Influence of Three Gorges Dam on streamflow and sediment load of the middle Yangtze River, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 569-579	3.5	27
163	A multivariate approach for statistical assessments of compound extremes. <i>Journal of Hydrology</i> , 2018 , 565, 87-94	6	26
162	Nonparametric Integrated Agrometeorological Drought Monitoring: Model Development and Application. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 73-88	4.4	25
161	Analysis of watershed topography effects on summer precipitation variability in the southwestern United States. <i>Journal of Hydrology</i> , 2014 , 511, 838-849	6	25
160	Changing spatiotemporal patterns of precipitation extremes in China during 2071-100 based on Earth System Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 12,537-12,555	4.4	25
159	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

158	Principle Component Analysis in Conjunction with Data Driven Methods for Sediment Load Prediction. <i>Water Resources Management</i> , 2013 , 27, 2541-2554	3.7	24
157	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
156	Pareto Optimal Multigene Genetic Programming for Prediction of Longitudinal Dispersion Coefficient. <i>Water Resources Management</i> , 2019 , 33, 905-921	3.7	23
155	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
154	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
153	Observational evidence of summer precipitation deficit-temperature coupling in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 10,040	4.4	23
152	Mass wasting susceptibility assessment of snow avalanches using machine learning models. <i>Scientific Reports</i> , 2020 , 10, 18363	4.9	23
151	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
150	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
149	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
148	Wet and dry spell analysis of Global Climate Model-generated precipitation using power laws and wavelet transforms. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 517-535	3.5	22
147	Evaluation of pan evaporation modeling with two different neural networks and weather station data. <i>Theoretical and Applied Climatology</i> , 2014 , 117, 1-13	3	21
146	Evaluation of riverwater quality by entropy. <i>KSCE Journal of Civil Engineering</i> , 2008 , 12, 61-69	1.9	21
145	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
144	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
143	Dry-hot magnitude index: a joint indicator for compound event analysis. <i>Environmental Research Letters</i> , 2019 , 14, 064017	6.2	20
142	Entropy-based parameter estimation for extended Burr XII distribution. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 1113-1122	3.5	20
141	Analysis of urban development of Haridwar, India, using entropy approach. <i>KSCE Journal of Civil Engineering</i> , 2008 , 12, 281-288	1.9	20

140	Intensifying effects of El Niño events on winter precipitation extremes in southeastern China. <i>Climate Dynamics</i> , 2020 , 54, 631-648	4.2	20
139	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
138	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
137	Stochastic simulation on reproducing long-term memory of hydroclimatological variables using deep learning model. <i>Journal of Hydrology</i> , 2020 , 582, 124540	6	19
136	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
135	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
134	A monitoring and prediction system for compound dry and hot events. <i>Environmental Research Letters</i> , 2019 , 14, 114034	6.2	19
133	Regionalization-based spatiotemporal variations of precipitation regimes across China. <i>Theoretical and Applied Climatology</i> , 2013 , 114, 203-212	3	19
132	Extraction of information content from stochastic disaggregation and bias corrected downscaled precipitation variables for crop simulation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 449-457	3.5	19
131	Optimizing streamflow monitoring networks using joint permutation entropy. <i>Journal of Hydrology</i> , 2017 , 552, 306-312	6	19
130	Multistep-ahead flood forecasting using wavelet and data-driven methods. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 401-417	1.9	19
129	Meta-Heuristic Algorithms for Hydrologic Frequency Analysis. <i>Water Resources Management</i> , 2011 , 25, 1855-1879	3.7	19
128	Landfalling tropical cyclones activities in the south China: intensifying or weakening?. <i>International Journal of Climatology</i> , 2012 , 32, 1815-1824	3.5	18
127	Analytical Solution for Two-Dimensional Solute Transport in Finite Aquifer with Time-Dependent Source Concentration. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 1309-1315	2.4	18
126	Long-Term Stochastic Reservoir Operation Using a Noisy Genetic Algorithm. <i>Water Resources Management</i> , 2010 , 24, 3159-3172	3.7	18
125	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
124	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
123	Modeling the physical dynamics of daily dew point temperature using soft computing techniques. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 1930-1940	1.9	17

122	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
121	Scrub Typhus Incidence Modeling with Meteorological Factors in South Korea. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7254-73	4.6	17
120	Predicting Mean and Bankfull Discharge from Channel Cross-Sectional Area by Expert and Regression Methods. <i>Water Resources Management</i> , 2011 , 25, 1253-1267	3.7	17
119	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
118	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
117	Evaluation and application of the SPDI-JDI for droughts in Texas, USA. <i>Journal of Hydrology</i> , 2015 , 521, 34-45	6	16
116	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
115	Assessment of Environmental Flow Requirements by Entropy-Based Multi-Criteria Decision. <i>Water Resources Management</i> , 2014 , 28, 459-474	3.7	16
114	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
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	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
105	Modeling sediment concentration in debris flow by Tsallis entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 420, 49-58	3.3	14

104	Probabilistic drought characterization in the categorical form using ordinal regression. <i>Journal of Hydrology</i> , 2016 , 535, 331-339	6	14
103	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
102	Extended growing season reduced river runoff in Luanhe River basin. <i>Journal of Hydrology</i> , 2020 , 582, 124538	6	13
101	Compound Events under Global Warming: A Dependence Perspective. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020 , 25, 03120001	1.8	12
100	Drought risk assessment in China: Evaluation framework and influencing factors. <i>Geography and Sustainability</i> , 2020 , 1, 220-228	7.3	12
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