Shenglian Guo

List of Publications by Year
in descending order

228	11,583	23567	39675
papers	citations	58	94
		h-index	g-index

230	230	230	7244
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of spatial distribution and temporal trend of reference evapotranspiration and pan evaporation in Changjiang (Yangtze River) catchment. Journal of Hydrology, 2006, 327, 81-93.	5.4	490
2	Distinguishing the relative impacts of climate change and human activities on variation of streamflow in the Poyang Lake catchment, China. Journal of Hydrology, 2013, 494, 83-95.	5.4	354
3	From GCMs to river flow: a review of downscaling methods and hydrologic modelling approaches. Progress in Physical Geography, 1999, 23, 229-249.	3.2	351
4	Comparison of hydrological impacts of climate change simulated by six hydrological models in the Dongjiang Basin, South China. Journal of Hydrology, 2007, 336, 316-333.	5.4	317
5	Parameter and modeling uncertainty simulated by GLUE and a formal Bayesian method for a conceptual hydrological model. Journal of Hydrology, 2010, 383, 147-155.	5.4	270
6	Comparison and evaluation of multiple GCMs, statistical downscaling and hydrological models in the study of climate change impacts on runoff. Journal of Hydrology, 2012, 434-435, 36-45.	5.4	261
7	Large increase in global storm runoff extremes driven by climate and anthropogenic changes. Nature Communications, 2018, 9, 4389.	12.8	260
8	Separating the impacts of climate change and human activities on runoff using the Budyko-type equations with time-varying parameters. Journal of Hydrology, 2015, 522, 326-338.	5.4	249
9	A spatial assessment of hydrologic alteration caused by dam construction in the middle and lower Yellow River, China. Hydrological Processes, 2008, 22, 3829-3843.	2.6	235
10	Dynamic control of flood limited water level for reservoir operation by considering inflow uncertainty. Journal of Hydrology, 2010, 391, 124-132.	5.4	221
11	Modelling hydrological consequences of climate change—Progress and challenges. Advances in Atmospheric Sciences, 2005, 22, 789-797.	4.3	185
12	Scenario-based projections of future urban inundation within a coupled hydrodynamic model framework: A case study in Dongguan City, China. Journal of Hydrology, 2017, 547, 428-442.	5.4	171
13	A macro-scale and semi-distributed monthly water balance model to predict climate change impacts in China. Journal of Hydrology, 2002, 268, 1-15.	5.4	166
14	Optimizing utility-scale photovoltaic power generation for integration into a hydropower reservoir by incorporating long- and short-term operational decisions. Applied Energy, 2017, 204, 432-445.	10.1	166
15	Evaluation of the subjective factors of the GLUE method and comparison with the formal Bayesian method in uncertainty assessment of hydrological models. Journal of Hydrology, 2010, 390, 210-221.	5.4	149
16	Trend test and change-point detection for the annual discharge series of the Yangtze River at the Yichang hydrological station / Test de tendance et détection de rupture appliqués aux séries de débit annuel du fleuve Yangtze à la station hydrologique de Yichang. Hydrological Sciences Journal, 2004, 49, 99-112.	2.6	140
17	Drought Analysis Using Copulas. Journal of Hydrologic Engineering - ASCE, 2013, 18, 797-808.	1.9	128
18	Assessing the influence of rain gauge density and distribution on hydrological model performance in a humid region of China. Journal of Hydrology, 2013, 505, 1-12.	5.4	128

#	Article	IF	Citations
19	Estimating uncertainty and its temporal variation related to global climate models in quantifying climate change impacts on hydrology. Journal of Hydrology, 2018, 556, 10-24.	5.4	125
20	Derivation of Aggregation-Based Joint Operating Rule Curves for Cascade Hydropower Reservoirs. Water Resources Management, 2011, 25, 3177-3200.	3.9	120
21	Evaluating the non-stationary relationship between precipitation and streamflow in nine major basins of China during the past 50 years. Journal of Hydrology, 2011, 409, 81-93.	5.4	118
22	Bivariate frequency analysis of nonstationary low‐flow series based on the time‐varying copula. Hydrological Processes, 2015, 29, 1521-1534.	2.6	115
23	Return period and risk analysis of nonstationary low-flow series under climate change. Journal of Hydrology, 2015, 527, 234-250.	5.4	113
24	Explore an evolutionary recurrent ANFIS for modelling multi-step-ahead flood forecasts. Journal of Hydrology, 2019, 570, 343-355.	5.4	111
25	Long-term complementary operation of a large-scale hydro-photovoltaic hybrid power plant using explicit stochastic optimization. Applied Energy, 2019, 238, 863-875.	10.1	109
26	Incorporating ecological requirement into multipurpose reservoir operating rule curves for adaptation to climate change. Journal of Hydrology, 2013, 498, 153-164.	5.4	106
27	Robust hydroelectric unit commitment considering integration of large-scale photovoltaic power: A case study in China. Applied Energy, 2018, 228, 1341-1352.	10.1	103
28	Copula-based method for multisite monthly and daily streamflow simulation. Journal of Hydrology, 2015, 528, 369-384.	5.4	102
29	Assessing uncertainties in a conceptual water balance model using Bayesian methodology / Estimation bayésienne des incertitudes au sein d'une modélisation conceptuelle de bilan hydrologique. Hydrological Sciences Journal, 2005, 50, .	2.6	101
30	Streamflow forecast uncertainty evolution and its effect on real-time reservoir operation. Journal of Hydrology, 2016, 540, 712-726.	5.4	86
31	Uncertainties in assessing hydrological drought using streamflow drought index for the upper Yangtze River basin. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1235-1247.	4.0	85
32	A copula-based analysis of projected climate changes to bivariate flood quantiles. Journal of Hydrology, 2018, 566, 23-42.	5.4	83
33	On the event-based extreme precipitation across China: Time distribution patterns, trends, and return levels. Journal of Hydrology, 2018, 562, 305-317.	5.4	82
34	A standardized index for assessing sub-monthly compound dry and hot conditions with application in China. Hydrology and Earth System Sciences, 2021, 25, 1587-1601.	4.9	80
35	Comparison of four nonstationary hydrologic design methods for changing environment. Journal of Hydrology, 2017, 551, 132-150.	5.4	79
36	Does the Hook Structure Constrain Future Flood Intensification Under Anthropogenic Climate Warming?. Water Resources Research, 2021, 57, e2020WR028491.	4.2	78

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37	Methodology that improves water utilization and hydropower generation without increasing flood risk in mega cascade reservoirs. Energy, 2018, 143, 785-796.	8.8	77
38	Joint operation and dynamic control of flood limiting water levels for mixed cascade reservoir systems. Journal of Hydrology, 2014, 519, 248-257.	5.4	76
39	Uncertainty in simulation of land-use change impacts on catchment runoff with multi-timescales based on the comparison of the HSPF and SWAT models. Journal of Hydrology, 2019, 573, 486-500.	5.4	74
40	Hydropower reservoir reoperation to adapt to large-scale photovoltaic power generation. Energy, 2019, 179, 268-279.	8.8	73
41	A reservoir flood forecasting and control system for China / Un systÃ¨me chinois de prÃ©vision et de contrÃ´le de crue en barrage. Hydrological Sciences Journal, 2004, 49, .	2.6	72
42	Blending multi-satellite, atmospheric reanalysis and gauge precipitation products to facilitate hydrological modelling. Journal of Hydrology, 2021, 593, 125878.	5.4	72
43	Deriving Reservoir Refill Operating Rules by Using the Proposed DPNS Model. Water Resources Management, 2006, 20, 337-357.	3.9	71
44	Deriving Optimal Refill Rules for Multi-Purpose Reservoir Operation. Water Resources Management, 2011, 25, 431-448.	3.9	71
45	Drought hazard transferability from meteorological to hydrological propagation. Journal of Hydrology, 2020, 585, 124761.	5.4	70
46	Joint Operation of the Multi-Reservoir System of the Three Gorges and the Qingjiang Cascade Reservoirs. Energies, 2011, 4, 1036-1050.	3.1	69
47	Projected increases in magnitude and socioeconomic exposure of global droughts in 1.5Âand 2â‰Â°C warmer climates. Hydrology and Earth System Sciences, 2020, 24, 451-472.	4.9	69
48	Joint Operation and Dynamic Control of Flood Limiting Water Levels for Cascade Reservoirs. Water Resources Management, 2013, 27, 749-763.	3.9	67
49	Entropy theory based multi-criteria resampling of rain gauge networks for hydrological modelling â€" A case study of humid area in southern China. Journal of Hydrology, 2015, 525, 138-151.	5.4	67
50	Operational testing of a water balance model for predicting climate change impacts. Agricultural and Forest Meteorology, 1999, 98-99, 295-304.	4.8	66
51	The effect of rain gauge density and distribution on runoff simulation using a lumped hydrological modelling approach. Journal of Hydrology, 2018, 563, 106-122.	5.4	66
52	A new seasonal design flood method based on bivariate joint distribution of flood magnitude and date of occurrence. Hydrological Sciences Journal, 2010, 55, 1264-1280.	2.6	65
53	Deriving multiple nearâ€optimal solutions to deterministic reservoir operation problems. Water Resources Research, 2011, 47, .	4.2	65
54	Design Flood Hydrograph Based on Multicharacteristic Synthesis Index Method. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1359-1364.	1.9	64

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55	Systematic impact assessment on inter-basin water transfer projects of the Hanjiang River Basin in China. Journal of Hydrology, 2017, 553, 584-595.	5.4	64
56	Assessing the effects of adaptation measures on optimal water resources allocation under varied water availability conditions. Journal of Hydrology, 2018, 556, 759-774.	5.4	64
57	Spatial and temporal variations in rainfall erosivity during 1960â€"2005 in the Yangtze River basin. Stochastic Environmental Research and Risk Assessment, 2013, 27, 337-351.	4.0	61
58	Frequency analysis of nonstationary annual maximum flood series using the timeâ€varying twoâ€component mixture distributions. Hydrological Processes, 2017, 31, 69-89.	2.6	61
59	Decreasing reference evapotranspiration in a warming climateâ€"A case of Changjiang (Yangtze) River catchment during 1970â€"2000. Advances in Atmospheric Sciences, 2006, 23, 513-520.	4.3	60
60	Prediction of variability of precipitation in the Yangtze River Basin under the climate change conditions based on automated statistical downscaling. Stochastic Environmental Research and Risk Assessment, 2012, 26, 157-176.	4.0	57
61	A framework of changeâ€point detection for multivariate hydrological series. Water Resources Research, 2015, 51, 8198-8217.	4.2	57
62	Multi-Objective Operating Rules for Danjiangkou Reservoir Under Climate Change. Water Resources Management, 2016, 30, 1183-1202.	3.9	56
63	Downscaling GCMs using the Smooth Support Vector Machine method to predict daily precipitation in the Hanjiang Basin. Advances in Atmospheric Sciences, 2010, 27, 274-284.	4.3	53
64	Comparative study of monthly inflow prediction methods for the Three Gorges Reservoir. Stochastic Environmental Research and Risk Assessment, 2014, 28, 555-570.	4.0	53
65	Dependence of regionalization methods on the complexity of hydrological models in multiple climatic regions. Journal of Hydrology, 2020, 582, 124357.	5.4	53
66	Identifying changing patterns of reservoir operating rules under various inflow alteration scenarios. Advances in Water Resources, 2017, 104, 23-36.	3.8	52
67	Spatial and temporal variation of extreme precipitation indices in the Yangtze River basin, China. Stochastic Environmental Research and Risk Assessment, 2013, 27, 459-475.	4.0	51
68	Bivariate Flood Frequency Analysis with Historical Information Based on Copula. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1018-1030.	1.9	51
69	Estimation of reservoir flood control operation risks with considering inflow forecasting errors. Stochastic Environmental Research and Risk Assessment, 2014, 28, 359-368.	4.0	51
70	The contribution of internal climate variability to climate change impacts on droughts. Science of the Total Environment, 2019, 684, 229-246.	8.0	51
71	A new two-stage multivariate quantile mapping method for bias correcting climate model outputs. Climate Dynamics, 2019, 53, 3603-3623.	3.8	50
72	Multivariate hydrologic design methods under nonstationary conditions and application to engineering practice. Hydrology and Earth System Sciences, 2019, 23, 1683-1704.	4.9	50

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73	Flash droughts in the Pearl River Basin, China: Observed characteristics and future changes. Science of the Total Environment, 2020, 707, 136074.	8.0	50
74	A modified Xinanjiang model and its application in northern China. Hydrology Research, 2005, 36, 175-192.	2.7	48
75	Determination of Input for Artificial Neural Networks for Flood Forecasting Using the Copula Entropy Method. Journal of Hydrologic Engineering - ASCE, 2014, 19, .	1.9	48
76	Copula entropy coupled with artificial neural network for rainfallâ€"runoff simulation. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1755-1767.	4.0	48
77	Real-time error correction method combined with combination flood forecasting technique for improving the accuracy of flood forecasting. Journal of Hydrology, 2015, 521, 157-169.	5.4	47
78	Multi-site precipitation downscaling using a stochastic weather generator. Climate Dynamics, 2018, 50, 1975-1992.	3.8	47
79	Multiobjective reservoir operating rules based on cascade reservoir input variable selection method. Water Resources Research, 2017, 53, 3446-3463.	4.2	46
80	Longâ€range precipitation forecast based on multipole and preceding fluctuations of sea surface temperature. International Journal of Climatology, 2022, 42, 8024-8039.	3.5	46
81	Runoff prediction in ungauged catchments in Norway: comparison of regionalization approaches. Hydrology Research, 2018, 49, 487-505.	2.7	45
82	Optimisation of water-energy nexus based on its diagram in cascade reservoir system. Journal of Hydrology, 2019, 569, 347-358.	5.4	45
83	Bias correcting climate model multi-member ensembles to assess climate change impacts on hydrology. Climatic Change, 2019, 153, 361-377.	3.6	44
84	Non-Stationary Annual Maximum Flood Frequency Analysis Using the Norming Constants Method to Consider Non-Stationarity in the Annual Daily Flow Series. Water Resources Management, 2015, 29, 3615-3633.	3.9	43
85	Evaluation of seasonal and spatial variations of lumped water balance model sensitivity to precipitation data errors. Journal of Hydrology, 2006, 324, 80-93.	5.4	42
86	Deriving adaptive operating rules of hydropower reservoirs using timeâ€varying parameters generated by the EnKF. Water Resources Research, 2017, 53, 6885-6907.	4.2	42
87	A Fair Approach for Multi-Objective Water Resources Allocation. Water Resources Management, 2019, 33, 3633-3653.	3.9	42
88	A new method for identification of flood seasons using directional statistics. Hydrological Sciences Journal, 2013, 58, 28-40.	2.6	41
89	Timing of human-induced climate change emergence from internal climate variability for hydrological impact studies. Hydrology Research, 2018, 49, 421-437.	2.7	40
90	Comparative Study of Three Updating Procedures for Real-Time Flood Forecasting. Water Resources Management, 2016, 30, 2111-2126.	3.9	39

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91	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. Water Resources Research, 2021, 57, e2020WR029413.	4.2	39
92	Short-term flood probability density forecasting using a conceptual hydrological model with machine learning techniques. Journal of Hydrology, 2022, 604, 127255.	5.4	39
93	Optimal allocation of water quantity and waste load in the Northwest Pearl River Delta, China. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1525-1542.	4.0	38
94	Impact of Cascaded Reservoirs Group on Flow Regime in the Middle and Lower Reaches of the Yangtze River. Water (Switzerland), 2016, 8, 218.	2.7	38
95	Feasibility and uncertainty of using conceptual rainfall-runoff models in design flood estimation. Hydrology Research, 2016, 47, 701-717.	2.7	38
96	Appraisal of Budyko formula in calculating long‑term water balance in humid watersheds of southern China. Hydrological Processes, 2012, 26, 1370-1378.	2.6	37
97	Links between flood frequency and annual water balance behaviors: A basis for similarity and regionalization. Water Resources Research, 2014, 50, 937-953.	4.2	37
98	Uncertainty Analysis of Bivariate Design Flood Estimation and its Impacts on Reservoir Routing. Water Resources Management, 2018, 32, 1795-1809.	3.9	37
99	A new baseflow separation method based on analytical solutions of the Horton infiltration capacity curve. Hydrological Processes, 2007, 21, 1719-1736.	2.6	36
100	Optimal impoundment operation for cascade reservoirs coupling parallel dynamic programming with importance sampling and successive approximation. Advances in Water Resources, 2019, 131, 103375.	3.8	36
101	VIC distributed hydrological model to predict climate change impact in the Hanjiang basin. Science in China Series D: Earth Sciences, 2009, 52, 3234-3239.	0.9	35
102	Uncertainty estimates by Bayesian method with likelihood of AR (1) plus Normal model and AR (1) plus Multi-Normal model in different time-scales hydrological models. Journal of Hydrology, 2011, 406, 54-65.	5.4	35
103	A comparative study of different objective functions to improve the flood forecasting accuracy. Hydrology Research, 2016, 47, 718-735.	2.7	35
104	Optimal Design of Seasonal Flood Limited Water Levels by Jointing Operation of the Reservoir and Floodplains. Water Resources Management, 2018, 32, 179-193.	3.9	35
105	Boosting hydropower output of mega cascade reservoirs using an evolutionary algorithm with successive approximation. Applied Energy, 2018, 228, 1726-1739.	10.1	35
106	Spatial and temporal analysis of drought using entropy-based standardized precipitation index: a case study in Poyang Lake basin, China. Theoretical and Applied Climatology, 2015, 122, 543-556.	2.8	34
107	Flood season segmentation based on the probability change-point analysis technique. Hydrological Sciences Journal, 2010, 55, 540-554.	2.6	33
108	Climate‑informed low‑flow frequency analysis using nonstationary modelling. Hydrological Processes, 2015, 29, 2112-2124.	2.6	33

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109	Spatial and temporal variation of precipitation in Sudan and their possible causes during 1948–2005. Stochastic Environmental Research and Risk Assessment, 2012, 26, 429-441.	4.0	32
110	Improving the Reliability of Probabilistic Multi-Step-Ahead Flood Forecasting by Fusing Unscented Kalman Filter with Recurrent Neural Network. Water (Switzerland), 2020, 12, 578.	2.7	32
111	A macro-evolutionary multi-objective immune algorithm with application to optimal allocation of water resources in Dongjiang River basins, South China. Stochastic Environmental Research and Risk Assessment, 2012, 26, 491-507.	4.0	31
112	Hydrological uncertainty processor based on a copula function. Hydrological Sciences Journal, 2018, 63, 74-86.	2.6	31
113	Multiobjective Cascade Reservoir Operation Rules and Uncertainty Analysis Based on PA-DDS Algorithm. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	29
114	Analysis of trends of annual and seasonal precipitation from 1956 to 2000 in Guangdong Province, China. Hydrological Sciences Journal, 2012, 57, 358-369.	2.6	28
115	Risk analysis for flood control operation of seasonal flood-limited water level incorporating inflow forecasting error. Hydrological Sciences Journal, 2014, 59, 1006-1019.	2.6	28
116	Stability of model performance and parameter values on two catchments facing changes in climatic conditions. Hydrological Sciences Journal, 2015, 60, 1317-1330.	2.6	28
117	A simplified approach for flood modeling in urban environments. Hydrology Research, 2018, 49, 1804-1816.	2.7	28
118	Annual runoff coefficient variation in a changing environment: a global perspective. Environmental Research Letters, 2022, 17, 064006.	5.2	28
119	Deriving the optimal refill rule for multi-purpose reservoir considering flood control risk. Journal of Hydro-Environment Research, 2014, 8, 248-259.	2.2	27
120	Evaluation of reanalysis and satellite-based precipitation datasets in driving hydrological models in a humid region of Southern China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 2003-2020.	4.0	27
121	Statistics for sample splitting for the calibration and validation of hydrological models. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3099-3116.	4.0	27
122	Uncertainty analysis of hydrological multi-model ensembles based on CBP-BMA method. Hydrology Research, 2018, 49, 1636-1651.	2.7	26
123	Transferability of climate simulation uncertainty to hydrological impacts. Hydrology and Earth System Sciences, 2018, 22, 3739-3759.	4.9	26
124	Transferability of regionalization methods under changing climate. Journal of Hydrology, 2019, 568, 67-81.	5.4	26
125	Adaptive optimal allocation of water resources response to future water availability and water demand in the Han River basin, China. Scientific Reports, 2021, 11, 7879.	3.3	26
126	Modelling catchment inflows into Lake Victoria: regionalisation of the parameters of a conceptual water balance model. Hydrology Research, 2013, 44, 789-808.	2.7	25

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127	Observational evidence of summer precipitation deficit–temperature coupling in China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,040.	3.3	25
128	Incorporating reservoir impacts into flood frequency distribution functions. Journal of Hydrology, 2019, 568, 234-246.	5.4	25
129	Updating <scp>intensity–duration–frequency</scp> curves for urban infrastructure design under a changing environment. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1519.	6.5	25
130	Continuity of terrestrial water storage variability and trends across mainland China monitored by the GRACE and GRACE-Follow on satellites. Journal of Hydrology, 2021, 599, 126308.	5.4	25
131	Derivation of water and power operating rules for multi-reservoirs. Hydrological Sciences Journal, 2016, 61, 359-370.	2.6	24
132	A general framework of design flood estimation for cascade reservoirs in operation period. Journal of Hydrology, 2019, 577, 124003.	5.4	24
133	Nonstationary Frequency Analysis of Censored Data: A Case Study of the Floods in the Yangtze River From 1470 to 2017. Water Resources Research, 2020, 56, e2020WR027112.	4.2	24
134	Estimation of nonfluctuating reservoir inflow from water level observations using methods based on flow continuity. Journal of Hydrology, 2015, 529, 1198-1210.	5.4	23
135	Optimizing Operation Rules of Cascade Reservoirs for Adapting Climate Change. Water Resources Management, 2020, 34, 101-120.	3.9	23
136	Temporal and spatial transferabilities of hydrological models under different climates and underlying surface conditions. Journal of Hydrology, 2020, 591, 125276.	5.4	23
137	Advances in Hydrologic Forecasts and Water Resources Management. Water (Switzerland), 2020, 12, 1819.	2.7	23
138	Comprehensive Evaluation of Water Resources Carrying Capacity in the Han River Basin. Water (Switzerland), 2021, 13, 249.	2.7	23
139	Non-identical models for seasonal flood frequency analysis. Hydrological Sciences Journal, 2007, 52, 974-991.	2.6	22
140	Multiple causes of nonstationarity in the Weihe annual low-flow series. Hydrology and Earth System Sciences, 2018, 22, 1525-1542.	4.9	22
141	Assessing the impacts of reservoirs on downstream flood frequency by coupling the effect of scheduling-related multivariate rainfall with an indicator of reservoir effects. Hydrology and Earth System Sciences, 2019, 23, 4453-4470.	4.9	22
142	The impact of Three Gorges Reservoir refill operation on water levels in Poyang Lake, China. Stochastic Environmental Research and Risk Assessment, 2017, 31, 879-891.	4.0	21
143	A process–based insight into nonstationarity of the probability distribution of annual runoff. Water Resources Research, 2017, 53, 4214-4235.	4.2	21
144	Hybrid Two-Stage Stochastic Methods Using Scenario-Based Forecasts for Reservoir Refill Operations. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	21

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145	Adapting reservoir operations to the nexus across water supply, power generation, and environment systems: An explanatory tool for policy makers. Journal of Hydrology, 2019, 574, 257-275.	5.4	21
146	Projected changes of bivariate flood quantiles and estimation uncertainty based on multi-model ensembles over China. Journal of Hydrology, 2020, 585, 124760.	5.4	21
147	Coupled Hydraulic and Kalman Filter Model for Real-Time Correction of Flood Forecast in the Three Gorges Interzone of Yangtze River, China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1416-1425.	1.9	20
148	Quantifying the changing properties of climate extremes in Guangdong Province using individual and integrated climate indices. International Journal of Climatology, 2017, 37, 781-792.	3.5	20
149	Impacts of Inter-Basin Water Transfer Projects on Optimal Water Resources Allocation in the Hanjiang River Basin, China. Sustainability, 2019, 11, 2044.	3.2	20
150	Separating runoff change by the improved Budyko complementary relationship considering effects of both climate change and human activities on basin characteristics. Journal of Hydrology, 2020, 591, 125330.	5.4	20
151	A novel hybrid XAJ-LSTM model for multi-step-ahead flood forecasting. Hydrology Research, 2021, 52, 1436-1454.	2.7	20
152	Daily Runoff Forecasting Model Based on ANN and Data Preprocessing Techniques. Water (Switzerland), 2015, 7, 4144-4160.	2.7	19
153	Evaluating Water Supply Risk in the Middle and Lower Reaches of Hanjiang River Basin Based on an Integrated Optimal Water Resources Allocation Model. Water (Switzerland), 2016, 8, 364.	2.7	19
154	Transferability of Conceptual Hydrological Models Across Temporal Resolutions: Approach and Application. Water Resources Management, 2018, 32, 1367-1381.	3.9	19
155	Performance dependence of multi-model combination methods on hydrological model calibration strategy and ensemble size. Journal of Hydrology, 2021, 603, 127065.	5.4	19
156	Integrated flood potential index for flood monitoring in the GRACE era. Journal of Hydrology, 2021, 603, 127115.	5.4	19
157	Leveraging machine learning methods to quantify 50 years of dwindling groundwater in India. Science of the Total Environment, 2022, 835, 155474.	8.0	19
158	A nonlinear perturbation model based on artificial neural network. Journal of Hydrology, 2007, 333, 504-516.	5.4	18
159	Bivariate design flood quantile selection using copulas. Hydrology Research, 2017, 48, 997-1013.	2.7	18
160	Conditional Value-at-Risk for Nonstationary Streamflow and Its Application for Derivation of the Adaptive Reservoir Flood Limited Water Level. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	18
161	Multi-objective operation of cascade reservoirs based on short-term ensemble streamflow prediction. Journal of Hydrology, 2022, 610, 127936.	5.4	18
162	Design Flood Estimation Methods for Cascade Reservoirs Based on Copulas. Water (Switzerland), 2018, 10, 560.	2.7	17

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163	Integration and Evaluation of Forecast-Informed Multiobjective Reservoir Operations. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	17
164	Quantifying differences between reservoir inflows and dam site floods using frequency and risk analysis methods. Stochastic Environmental Research and Risk Assessment, 2018, 32, 419-433.	4.0	16
165	Evaluating the Temporal Dynamics of Uncertainty Contribution from Satellite Precipitation Input in Rainfall-Runoff Modeling Using the Variance Decomposition Method. Remote Sensing, 2018, 10, 1876.	4.0	16
166	Multi-objective optimization of water resources allocation in Han River basin (China) integrating efficiency, equity and sustainability. Scientific Reports, 2022, 12, 798.	3.3	16
167	A method for investigating the relative importance of three components in overall uncertainty of climate projections. International Journal of Climatology, 2019, 39, 1853-1871.	3.5	15
168	Quantitative assessment of adaptive measures on optimal water resources allocation by using reliability, resilience, vulnerability indicators. Stochastic Environmental Research and Risk Assessment, 2020, 34, 103-119.	4.0	15
169	A Censored Shifted Mixture Distribution Mapping Method to Correct the Bias of Daily IMERG Satellite Precipitation Estimates. Remote Sensing, 2019, 11, 1345.	4.0	14
170	Derivation of low flow frequency distributions under human activities and its implications. Journal of Hydrology, 2017, 549, 294-300.	5.4	13
171	Bivariate Seasonal Design Flood Estimation Based on Copulas. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	13
172	Seasonal rainfall forecasting for the Yangtze River basin using statistical and dynamical models. International Journal of Climatology, 2020, 40, 361-377.	3.5	13
173	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. Water Resources Research, 2021, 57, e2020WR029529.	4.2	13
174	Deriving adaptive long-term complementary operating rules for a large-scale hydro-photovoltaic hybrid power plant using ensemble Kalman filter. Applied Energy, 2021, 301, 117482.	10.1	13
175	Characterization of rainstorm modes along the upper mainstream of Yangtze River during 2003â€"2016. International Journal of Climatology, 2018, 38, 1976-1988.	3.5	12
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