Shenglian Guo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6508321/publications.pdf

Version: 2024-02-01

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

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

#	Article	IF	Citations
1	Short-term flood probability density forecasting using a conceptual hydrological model with machine learning techniques. Journal of Hydrology, 2022, 604, 127255.	5.4	39
2	Projected changes in terrestrial water storage and associated flood potential across the Yangtze River basin. Science of the Total Environment, 2022, 817, 152998.	8.0	7
3	Multivariate Dam-Site Flood Frequency Analysis of the Three Gorges Reservoir Considering Future Reservoir Regulation and Precipitation. Water (Switzerland), 2022, 14, 138.	2.7	3
4	Comparative Study of Flood Coincidence Risk Estimation Methods in the Mainstream and its Tributaries. Water Resources Management, 2022, 36, 683-698.	3.9	7
5	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
6	Quantifying both climate and land use/cover changes on runoff variation in Han River basin, China. Frontiers of Earth Science, 2022, 16, 711-733.	2.1	5
7	High effectiveness of GRACE data in daily-scale flood modeling: case study in the Xijiang River Basin, China. Natural Hazards, 2022, 113, 507-526.	3.4	4
8	Delayed feedback between adaptive reservoir operation and environmental awareness within water supply-hydropower generation-environment nexus. Journal of Cleaner Production, 2022, 345, 131181.	9.3	6
9	Exploration of Relationships between Flood Control Capacity and Peak Flow Reduction in a Multireservoir System Using an Optimization-Clustering-Fitting Framework. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	4
10	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
11	Leveraging machine learning methods to quantify 50 years of dwindling groundwater in India. Science of the Total Environment, 2022, 835, 155474.	8.0	19
12	Annual runoff coefficient variation in a changing environment: a global perspective. Environmental Research Letters, 2022, 17, 064006.	5.2	28
13	Multi-objective operation of cascade reservoirs based on short-term ensemble streamflow prediction. Journal of Hydrology, 2022, 610, 127936.	5.4	18
14	Spatiotemporal patterns of satellite precipitation extremes in the Xijiang River Basin: From statistical characterization to stochastic behaviour modelling. International Journal of Climatology, 2021, 41, E2290.	3.5	1
15	Blending multi-satellite, atmospheric reanalysis and gauge precipitation products to facilitate hydrological modelling. Journal of Hydrology, 2021, 593, 125878.	5.4	72
16	Comprehensive Evaluation of Water Resources Carrying Capacity in the Han River Basin. Water (Switzerland), 2021, 13, 249.	2.7	23
17	Does the Hook Structure Constrain Future Flood Intensification Under Anthropogenic Climate Warming?. Water Resources Research, 2021, 57, e2020WR028491.	4.2	78
18	Updating <scp>intensityâ€“durationâ€“frequency</scp> curves for urban infrastructure design under a changing environment. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1519.	6.5	25

#	Article	IF	Citations
19	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
20	Impacts of Water Resources Allocation on Water Environmental Capacity under Climate Change. Water (Switzerland), 2021, 13, 1187.	2.7	11
21	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
22	A novel hybrid XAJ-LSTM model for multi-step-ahead flood forecasting. Hydrology Research, 2021, 52, 1436-1454.	2.7	20
23	Sensitivity of Forecast Value in Multiobjective Reservoir Operation to Forecast Lead Time and Reservoir Characteristics. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	10
24	Preparation of Cellulose/Chitin Blend Materials and Influence of Their Properties on Sorption of Heavy Metals. Sustainability, 2021, 13, 6460.	3.2	9
25	Discharge Estimation Using Integrated Satellite Data and Hybrid Model in the Midstream Yangtze River. Remote Sensing, 2021, 13, 2272.	4.0	12
26	Design flood estimation with varying record lengths in Norway under stationarity and nonstationarity scenarios. Hydrology Research, 2021, 52, 1596-1614.	2.7	9
27	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. Water Resources Research, 2021, 57, e2020WR029413.	4.2	39
28	Optimizing the Reservoir Operation for Hydropower Generation by Using the Flexibility Index to Consider Inflow Uncertainty. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	7
29	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
30	Using the Global Hydrodynamic Model and GRACE Follow-On Data to Access the 2020 Catastrophic Flood in Yangtze River Basin. Remote Sensing, 2021, 13, 3023.	4.0	6
31	A River Networkâ€Based Hierarchical Model for Deriving Flood Frequency Distributions and Its Application to the Upper Yangtze Basin. Water Resources Research, 2021, 57, e2020WR029374.	4.2	11
32	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. Water Resources Research, 2021, 57, e2020WR029529.	4.2	13
33	Nonstationary Design Flood Estimation in Response to Climate Change, Population Growth and Cascade Reservoir Regulation. Water (Switzerland), 2021, 13, 2687.	2.7	3
34	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
35	Performance dependence of multi-model combination methods on hydrological model calibration strategy and ensemble size. Journal of Hydrology, 2021, 603, 127065.	5.4	19
36	Integrated flood potential index for flood monitoring in the GRACE era. Journal of Hydrology, 2021, 603, 127115.	5.4	19

#	Article	IF	Citations
37	Seasonal rainfall forecasting for the Yangtze River basin using statistical and dynamical models. International Journal of Climatology, 2020, 40, 361-377.	3.5	13
38	Probabilistic forecasting based on ensemble forecasts and EMOS method for TGR inflow. Frontiers of Earth Science, 2020, 14, 188-200.	2.1	7
39	Optimizing Operation Rules of Cascade Reservoirs for Adapting Climate Change. Water Resources Management, 2020, 34, 101-120.	3.9	23
40	Flash droughts in the Pearl River Basin, China: Observed characteristics and future changes. Science of the Total Environment, 2020, 707, 136074.	8.0	50
41	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
42	Dependence of regionalization methods on the complexity of hydrological models in multiple climatic regions. Journal of Hydrology, 2020, 582, 124357.	5.4	53
43	Temporal and spatial transferabilities of hydrological models under different climates and underlying surface conditions. Journal of Hydrology, 2020, 591, 125276.	5.4	23
44	Intercomparison of multiple statistical methods in postâ€processing ensemble precipitation and temperature forecasts. Meteorological Applications, 2020, 27, e1935.	2.1	2
45	Advances in Hydrologic Forecasts and Water Resources Management. Water (Switzerland), 2020, 12, 1819.	2.7	23
46	The response of runoff components and glacier mass balance to climate change for a glaciated high-mountainous catchment in the Tianshan Mountains. Natural Hazards, 2020, 104, 1239-1258.	3.4	11
47	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
48	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
49	Comparative study of flood regional composition methods for design flood estimation in cascade reservoir system. Journal of Hydrology, 2020, 590, 125530.	5.4	10
50	On the Contribution of Satellite Altimetry-Derived Water Surface Elevation to Hydrodynamic Model Calibration in the Han River. Remote Sensing, 2020, 12, 4087.	4.0	6
51	Integration and Evaluation of Forecast-Informed Multiobjective Reservoir Operations. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	17
52	Drought hazard transferability from meteorological to hydrological propagation. Journal of Hydrology, 2020, 585, 124761.	5.4	70
53	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
54	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

#	Article	IF	Citations
55	Heuristic Input Variable Selection in Multi-Objective Reservoir Operation. Water Resources Management, 2020, 34, 617-636.	3.9	9
56	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
57	Copula Theory. Springer Water, 2019, , 13-38.	0.3	2
58	A general framework of design flood estimation for cascade reservoirs in operation period. Journal of Hydrology, 2019, 577, 124003.	5.4	24
59	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
60	A Fair Approach for Multi-Objective Water Resources Allocation. Water Resources Management, 2019, 33, 3633-3653.	3.9	42
61	Deriving Design Flood Hydrographs Based on Copula Function: A Case Study in Pakistan. Water (Switzerland), 2019, 11, 1531.	2.7	11
62	Emergency Disposal Solution for Control of a Giant Landslide and Dammed Lake in Yangtze River, China. Water (Switzerland), 2019, 11, 1939.	2.7	1
63	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
64	Dataset for reservoir impoundment operation coupling parallel dynamic programming with importance sampling and successive approximation. Data in Brief, 2019, 26, 104440.	1.0	4
65	Quantification of the forecast uncertainty using conditional probability and updating models. Hydrology Research, 2019, 50, 1751-1771.	2.7	2
66	Improving Runoff Prediction Using Remotely Sensed Actual Evapotranspiration during Rainless Periods. Journal of Hydrologic Engineering - ASCE, 2019, 24, 04019050.	1.9	11
67	The contribution of internal climate variability to climate change impacts on droughts. Science of the Total Environment, 2019, 684, 229-246.	8.0	51
68	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. Water (Switzerland), 2019, 11, 812.	2.7	3
69	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
70	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
71	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
72	Hydropower reservoir reoperation to adapt to large-scale photovoltaic power generation. Energy, 2019, 179, 268-279.	8.8	73

#	Article	IF	Citations
73	A new two-stage multivariate quantile mapping method for bias correcting climate model outputs. Climate Dynamics, 2019, 53, 3603-3623.	3.8	50
74	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
75	Multivariate hydrologic design methods under nonstationary conditions and application to engineering practice. Hydrology and Earth System Sciences, 2019, 23, 1683-1704.	4.9	50
76	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
77	Bias correcting climate model multi-member ensembles to assess climate change impacts on hydrology. Climatic Change, 2019, 153, 361-377.	3.6	44
78	Comparison of multiple downscaling techniques for climate change projections given the different climatic zones in China. Theoretical and Applied Climatology, 2019, 138, 27-45.	2.8	9
79	Evaluation of GloFAS-Seasonal Forecasts for Cascade Reservoir Impoundment Operation in the Upper Yangtze River. Water (Switzerland), 2019, 11, 2539.	2.7	7
80	Parameter Uncertainty of a Snowmelt Runoff Model and Its Impact on Future Projections of Snowmelt Runoff in a Data-Scarce Deglaciating River Basin. Water (Switzerland), 2019, 11, 2417.	2.7	11
81	Spatiotemporal Variation of Annual Runoff and Sediment Load in the Pearl River during 1953â€“2017. Sustainability, 2019, 11, 5007.	3.2	7
82	Reply to â€˜Increases in temperature do not translate to increased floodingâ€™. Nature Communications, 2019, 10, 5675.	12.8	10
83	Rational Function Method for Allocating Water Resources in the Coupled Natural-Human Systems. Water Resources Management, 2019, 33, 57-73.	3.9	6
84	Optimisation of water-energy nexus based on its diagram in cascade reservoir system. Journal of Hydrology, 2019, 569, 347-358.	5.4	45
85	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
86	A meta-heuristic approach for multivariate design flood quantile estimation incorporating historical information. Hydrology Research, 2019, 50, 526-544.	2.7	10
87	Explore an evolutionary recurrent ANFIS for modelling multi-step-ahead flood forecasts. Journal of Hydrology, 2019, 570, 343-355.	5.4	111
88	Incorporating reservoir impacts into flood frequency distribution functions. Journal of Hydrology, 2019, 568, 234-246.	5.4	25
89	Transferability of regionalization methods under changing climate. Journal of Hydrology, 2019, 568, 67-81.	5.4	26
90	Evaluation of the BMA probabilistic inflow forecasts using TIGGE numeric precipitation predictions based on artificial neural network. Hydrology Research, 2018, 49, 1417-1433.	2.7	11

#	Article	IF	Citations
91	Flood Frequency Analysis Using Halphen Distribution and Maximum Entropy. Journal of Hydrologic Engineering - ASCE, 2018, 23, 04018012.	1.9	11
92	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
93	Uncertainty Analysis of Bivariate Design Flood Estimation and its Impacts on Reservoir Routing. Water Resources Management, 2018, 32, 1795-1809.	3.9	37
94	Timing of human-induced climate change emergence from internal climate variability for hydrological impact studies. Hydrology Research, 2018, 49, 421-437.	2.7	40
95	Hydrological uncertainty processor based on a copula function. Hydrological Sciences Journal, 2018, 63, 74-86.	2.6	31
96	Transferability of Conceptual Hydrological Models Across Temporal Resolutions: Approach and Application. Water Resources Management, 2018, 32, 1367-1381.	3.9	19
97	Runoff prediction in ungauged catchments in Norway: comparison of regionalization approaches. Hydrology Research, 2018, 49, 487-505.	2.7	45
98	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
99	Uncertainty analysis of hydrological multi-model ensembles based on CBP-BMA method. Hydrology Research, 2018, 49, 1636-1651.	2.7	26
100	Multi-site precipitation downscaling using a stochastic weather generator. Climate Dynamics, 2018, 50, 1975-1992.	3.8	47
101	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
102	Investigation of the complexity of streamflow fluctuations in a large heterogeneous lake catchment in China. Theoretical and Applied Climatology, 2018, 132, 751-762.	2.8	7
103	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
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	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
106	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
107	Stream temperature response to climate change and water diversion activities. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1397-1413.	4.0	10
108	Methodology that improves water utilization and hydropower generation without increasing flood risk in mega cascade reservoirs. Energy, 2018, 143, 785-796.	8.8	77

#	Article	IF	Citations
109	Evaluation of Various Probability Distributions for Deriving Design Flood Featuring Right-Tail Events in Pakistan. Water (Switzerland), 2018, 10, 1603.	2.7	11
110	Synthetic Impacts of Internal Climate Variability and Anthropogenic Change on Future Meteorological Droughts over China. Water (Switzerland), 2018, 10, 1702.	2.7	9
111	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
112	The Value of Hydrologic Information in Reservoir Outflow Decision-Making. Water (Switzerland), 2018, 10, 1372.	2.7	5
113	Identification of flood seasonality using an entropy-based method. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3021-3035.	4.0	11
114	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
115	Large increase in global storm runoff extremes driven by climate and anthropogenic changes. Nature Communications, 2018, 9, 4389.	12.8	260
116	Transferability of climate simulation uncertainty to hydrological impacts. Hydrology and Earth System Sciences, 2018, 22, 3739-3759.	4.9	26
117	A copula-based analysis of projected climate changes to bivariate flood quantiles. Journal of Hydrology, 2018, 566, 23-42.	5.4	83
118	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
119	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
120	A simplified approach for flood modeling in urban environments. Hydrology Research, 2018, 49, 1804-1816.	2.7	28
121	Multiple causes of nonstationarity in the Weihe annual low-flow series. Hydrology and Earth System Sciences, 2018, 22, 1525-1542.	4.9	22
122	Design Flood Estimation Methods for Cascade Reservoirs Based on Copulas. Water (Switzerland), 2018, 10, 560.	2.7	17
123	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
124	Boosting hydropower output of mega cascade reservoirs using an evolutionary algorithm with successive approximation. Applied Energy, 2018, 228, 1726-1739.	10.1	35
125	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
126	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

#	Article	IF	Citations
127	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
128	Multiobjective reservoir operating rules based on cascade reservoir input variable selection method. Water Resources Research, 2017, 53, 3446-3463.	4.2	46
129	Comparison of four nonstationary hydrologic design methods for changing environment. Journal of Hydrology, 2017, 551, 132-150.	5.4	79
130	A processâ€based insight into nonstationarity of the probability distribution of annual runoff. Water Resources Research, 2017, 53, 4214-4235.	4.2	21
131	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
132	Derivation of low flow frequency distributions under human activities and its implications. Journal of Hydrology, 2017, 549, 294-300.	5.4	13
133	Identifying changing patterns of reservoir operating rules under various inflow alteration scenarios. Advances in Water Resources, 2017, 104, 23-36.	3.8	52
134	Bivariate design flood quantile selection using copulas. Hydrology Research, 2017, 48, 997-1013.	2.7	18
135	Bivariate Seasonal Design Flood Estimation Based on Copulas. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	13
136	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
137	Deriving adaptive operating rules of hydropower reservoirs using timeâ€varying parameters generated by the <scp>E</scp>n<scp>KF</scp>. Water Resources Research, 2017, 53, 6885-6907.	4.2	42
138	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
139	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
140	Projected hydrologic regime changes in the Poyang Lake Basin due to climate change. Frontiers of Earth Science, 2017, 11, 95-113.	2.1	11
141	Comparative Study on the Selection Criteria for Fitting Flood Frequency Distribution Models with Emphasis on Upper-Tail Behavior. Water (Switzerland), 2017, 9, 320.	2.7	11
142	Deriving Design Flood Hydrograph Based on Conditional Distribution: A Case Study of Danjiangkou Reservoir in Hanjiang Basin. Mathematical Problems in Engineering, 2016, 2016, 1-16.	1.1	5
143	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
144	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

#	Article	IF	Citations
145	Feasibility and uncertainty of using conceptual rainfall-runoff models in design flood estimation. Hydrology Research, 2016, 47, 701-717.	2.7	38
146	A comparative study of different objective functions to improve the flood forecasting accuracy. Hydrology Research, 2016, 47, 718-735.	2.7	35
147	Comparative Study of Three Updating Procedures for Real-Time Flood Forecasting. Water Resources Management, 2016, 30, 2111-2126.	3.9	39
148	Streamflow forecast uncertainty evolution and its effect on real-time reservoir operation. Journal of Hydrology, 2016, 540, 712-726.	5.4	86
149	Multi-Objective Operating Rules for Danjiangkou Reservoir Under Climate Change. Water Resources Management, 2016, 30, 1183-1202.	3.9	56
150	Derivation of water and power operating rules for multi-reservoirs. Hydrological Sciences Journal, 2016, 61, 359-370.	2.6	24
151	A framework of changeâ€point detection for multivariate hydrological series. Water Resources Research, 2015, 51, 8198-8217.	4.2	57
152	Climateâ€informed lowâ€flow frequency analysis using nonstationary modelling. Hydrological Processes, 2015, 29, 2112-2124.	2.6	33
153	Observational evidence of summer precipitation deficitâ€temperature coupling in China. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,040.	3.3	25
154	Bivariate frequency analysis of nonstationary lowâ€flow series based on the timeâ€varying copula. Hydrological Processes, 2015, 29, 1521-1534.	2.6	115
155	Daily Runoff Forecasting Model Based on ANN and Data Preprocessing Techniques. Water (Switzerland), 2015, 7, 4144-4160.	2.7	19
156	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
157	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
158	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
159	Risk analysis for seasonal flood-limited water level under uncertainties. Journal of Hydro-Environment Research, 2015, 9, 569-581.	2.2	9
160	Copula-based method for multisite monthly and daily streamflow simulation. Journal of Hydrology, 2015, 528, 369-384.	5.4	102
161	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
162	Return period and risk analysis of nonstationary low-flow series under climate change. Journal of Hydrology, 2015, 527, 234-250.	5.4	113

#	Article	IF	Citations
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	Copula entropy coupled with artificial neural network for rainfallâ€“runoff simulation. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1755-1767.	4.0	48
172	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
173	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
174	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
175	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
176	Deriving the optimal refill rule for multi-purpose reservoir considering floodÂcontrol risk. Journal of Hydro-Environment Research, 2014, 8, 248-259.	2.2	27
177	A new method for identification of flood seasons using directional statistics. Hydrological Sciences Journal, 2013, 58, 28-40.	2.6	41
178	Incorporating ecological requirement into multipurpose reservoir operating rule curves for adaptation to climate change. Journal of Hydrology, 2013, 498, 153-164.	5.4	106
179	Drought Analysis Using Copulas. Journal of Hydrologic Engineering - ASCE, 2013, 18, 797-808.	1.9	128
180	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
181	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
182	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
183	Joint Operation and Dynamic Control of Flood Limiting Water Levels for Cascade Reservoirs. Water Resources Management, 2013, 27, 749-763.	3.9	67
184	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
185	Bivariate Flood Frequency Analysis with Historical Information Based on Copula. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1018-1030.	1.9	51
186	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
187	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
188	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
189	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
190	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
191	Appraisal of Budyko formula in calculating longâ€term water balance in humid watersheds of southern China. Hydrological Processes, 2012, 26, 1370-1378.	2.6	37
192	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
193	Spatial and temporal variation of precipitation in Sudan and their possible causes during 1948â€“2005. Stochastic Environmental Research and Risk Assessment, 2012, 26, 429-441.	4.0	32
194	Deriving multiple nearâ€optimal solutions to deterministic reservoir operation problems. Water Resources Research, 2011, 47, .	4.2	65
195	Joint Operation of the Multi-Reservoir System of the Three Gorges and the Qingjiang Cascade Reservoirs. Energies, 2011, 4, 1036-1050.	3.1	69
196	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
197	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
198	Deriving Optimal Refill Rules for Multi-Purpose Reservoir Operation. Water Resources Management, 2011, 25, 431-448.	3.9	71

#	Article	IF	Citations
199	Derivation of Aggregation-Based Joint Operating Rule Curves for Cascade Hydropower Reservoirs. Water Resources Management, 2011, 25, 3177-3200.	3.9	120
200	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
201	Two new approaches to dividing flood sub-seasons in flood season using the fractal theory. Science Bulletin, 2010, 55, 105-110.	1.7	6
202	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
203	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
204	Dynamic control of flood limited water level for reservoir operation by considering inflow uncertainty. Journal of Hydrology, 2010, 391, 124-132.	5.4	221
205	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
206	Flood season segmentation based on the probability change-point analysis technique. Hydrological Sciences Journal, 2010, 55, 540-554.	2.6	33
207	Real-Time Load Distribution Control for the Geheyan Hydropower Plant. , 2009, , .		3
208	Optimal Operation of Cascade Hydropower Plants. , 2009, , .		5
209	Design Flood Hydrograph Based on Multicharacteristic Synthesis Index Method. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1359-1364.	1.9	64
210	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
211	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
212	Use of Nash's IUH and DEMs to identify the parameters of an unequalâ€reservoir cascade IUH model. Hydrological Processes, 2008, 22, 4073-4082.	2.6	11
213	A nonlinear perturbation model based on artificial neural network. Journal of Hydrology, 2007, 333, 504-516.	5.4	18
214	Non-identical models for seasonal flood frequency analysis. Hydrological Sciences Journal, 2007, 52, 974-991.	2.6	22
215	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
216	A new baseflow separation method based on analytical solutions of the Horton infiltration capacity curve. Hydrological Processes, 2007, 21, 1719-1736.	2.6	36

#	Article	IF	Citations
217	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
218	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
219	Deriving Reservoir Refill Operating Rules by Using the Proposed DPNS Model. Water Resources Management, 2006, 20, 337-357.	3.9	71
220	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
221	Modelling hydrological consequences of climate changeâ€”Progress and challenges. Advances in Atmospheric Sciences, 2005, 22, 789-797.	4.3	185
222	A modified Xinanjiang model and its application in northern China. Hydrology Research, 2005, 36, 175-192.	2.7	48
223	Assessing uncertainties in a conceptual water balance model using Bayesian methodology / Estimation bayÃ©sienne des incertitudes au sein dâ€™une modÃ©lisation conceptuelle de bilan hydrologique. Hydrological Sciences Journal, 2005, 50, .	2.6	101
224	Trend test and change-point detection for the annual discharge series of the Yangtze River at the Yichang hydrological station / Test de tendance et dÃ©tection de rupture appliquÃ©s aux sÃ©ries de dÃ©bit annuel du fleuve Yangtze Ã la station hydrologique de Yichang. Hydrological Sciences Journal, 2004, 49, 99-112.	2.6	140
225	A reservoir flood forecasting and control system for China / Un systÃ¨me chinois de prÃ©vision et de contrÃ1e de crue en barrage. Hydrological Sciences Journal, 2004, 49, .	2.6	72
226	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
227	Operational testing of a water balance model for predicting climate change impacts. Agricultural and Forest Meteorology, 1999, 98-99, 295-304.	4.8	66
228	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