Chong-Yu Xu

List of Publications by Year
in descending order

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435 papers	20,236 citations	13099 68 h-index	20358 116 g-index
441 all docs	441 docs citations	441 times ranked	11871 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	Sensitivity of the Penmanâ€“Monteith reference evapotranspiration to key climatic variables in the Changjiang (Yangtze River) basin. Journal of Hydrology, 2006, 329, 620-629.	5.4	360
3	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
4	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
5	Spatial and temporal variability of precipitation maxima during 1960â€“2005 in the Yangtze River basin and possible association with large-scale circulation. Journal of Hydrology, 2008, 353, 215-227.	5.4	318
6	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
7	Observed trends of annual maximum water level and streamflow during past 130 years in the Yangtze River basin, China. Journal of Hydrology, 2006, 324, 255-265.	5.4	291
8	An investigation of enhanced recessions in Poyang Lake: Comparison of Yangtze River and local catchment impacts. Journal of Hydrology, 2014, 517, 425-434.	5.4	280
9	Possible influence of ENSO on annual maximum streamflow of the Yangtze River, China. Journal of Hydrology, 2007, 333, 265-274.	5.4	274
10	Historical temporal trends of hydro-climatic variables and runoff response to climate variability and their relevance in water resource management in the Hanjiang basin. Journal of Hydrology, 2007, 344, 171-184.	5.4	274
11	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
12	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
13	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
14	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
15	Regional frequency analysis and spatio-temporal pattern characterization of rainfall extremes in the Pearl River Basin, China. Journal of Hydrology, 2010, 380, 386-405.	5.4	231
16	Sediment and runoff changes in the Yangtze River basin during past 50 years. Journal of Hydrology, 2006, 331, 511-523.	5.4	229
17	Climate Change and Hydrologic Models: A Review of Existing Gaps and Recent Research Developments. Water Resources Management, 1999, 13, 369-382.	3.9	221
18	Dynamic control of flood limited water level for reservoir operation by considering inflow uncertainty. Journal of Hydrology, 2010, 391, 124-132.	5.4	221

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19	Observed changes of drought/wetness episodes in the Pearl River basin, China, using the standardized precipitation index and aridity index. Theoretical and Applied Climatology, 2009, 98, 89-99.	2.8	211
20	Trend of estimated actual evapotranspiration over China during 1960â€“2002. Journal of Geophysical Research, 2007, 112, .	3.3	191
21	Changing properties of precipitation concentration in the Pearl River basin, China. Stochastic Environmental Research and Risk Assessment, 2009, 23, 377-385.	4.0	191
22	Modelling hydrological consequences of climate changeâ€”Progress and challenges. Advances in Atmospheric Sciences, 2005, 22, 789-797.	4.3	185
23	Evapotranspiration estimation methods in hydrological models. Journal of Chinese Geography, 2013, 23, 359-369.	3.9	181
24	Suitability of the TRMM satellite rainfalls in driving a distributed hydrological model for water balance computations in Xinjiang catchment, Poyang lake basin. Journal of Hydrology, 2012, 426-427, 28-38.	5.4	173
25	Optimal design of seasonal flood limited water levels and its application for the Three Gorges Reservoir. Journal of Hydrology, 2015, 527, 1045-1053.	5.4	168
26	Climate changes and their impacts on water resources in the arid regions: a case study of the Tarim River basin, China. Stochastic Environmental Research and Risk Assessment, 2010, 24, 349-358.	4.0	162
27	Examining the influence of riverâ€“lake interaction on the drought and water resources in the Poyang Lake basin. Journal of Hydrology, 2015, 522, 510-521.	5.4	158
28	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
29	Estimation of future precipitation change in the Yangtze River basin by using statistical downscaling method. Stochastic Environmental Research and Risk Assessment, 2011, 25, 781-792.	4.0	149
30	Evaluation of spatial and temporal characteristics of rainfall in Malawi: a case of data scarce region. Theoretical and Applied Climatology, 2011, 106, 79-93.	2.8	142
31	Global water-balance modelling with WASMOD-M: Parameter estimation and regionalisation. Journal of Hydrology, 2007, 340, 105-118.	5.4	138
32	Variability of Water Resource in the Yellow River Basin of Past 50ÂYears, China. Water Resources Management, 2009, 23, 1157-1170.	3.9	138
33	Temporal rainfall variability in the Lake Victoria Basin in East Africa during the twentieth century. Theoretical and Applied Climatology, 2009, 98, 119-135.	2.8	135
34	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
35	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
36	Derivation of Aggregation-Based Joint Operating Rule Curves for Cascade Hydropower Reservoirs. Water Resources Management, 2011, 25, 3177-3200.	3.9	120

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37	Statistical precipitation downscaling in central Sweden with the analogue method. Journal of Hydrology, 2005, 306, 174-190.	5.4	119
38	The response of lake area and vegetation cover variations to climate change over the Qinghai-Tibetan Plateau during the past 30 years. Science of the Total Environment, 2018, 635, 443-451.	8.0	119
39	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
40	Bivariate frequency analysis of nonstationary lowâ€flow series based on the timeâ€varying copula. Hydrological Processes, 2015, 29, 1521-1534.	2.6	115
41	Return period and risk analysis of nonstationary low-flow series under climate change. Journal of Hydrology, 2015, 527, 234-250.	5.4	113
42	Modelling the Effects of Climate Change on Water Resources in Central Sweden. Water Resources Management, 2000, 14, 177-189.	3.9	112
43	Methodology and comparative study of monthly water balance models in Belgium, China and Burma. Journal of Hydrology, 1992, 134, 315-347.	5.4	108
44	Toward Monitoring Short-Term Droughts Using a Novel Daily Scale, Standardized Antecedent Precipitation Evapotranspiration Index. Journal of Hydrometeorology, 2020, 21, 891-908.	1.9	108
45	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
46	Regional frequency analysis of rainfall extremes in Southern Malawi using the index rainfall and L-moments approaches. Stochastic Environmental Research and Risk Assessment, 2011, 25, 939-955.	4.0	100
47	Copulaâ€based spatioâ€temporal patterns of precipitation extremes in China. International Journal of Climatology, 2013, 33, 1140-1152.	3.5	100
48	Spatial interpolation of daily precipitation in China: 1951â€“2005. Advances in Atmospheric Sciences, 2010, 27, 1221-1232.	4.3	98
49	Statistical behaviours of precipitation regimes in China and their links with atmospheric circulation 1960â€“2005. International Journal of Climatology, 2011, 31, 1665-1678.	3.5	98
50	Daily precipitation-downscaling techniques in three Chinese regions. Water Resources Research, 2006, 42, .	4.2	93
51	Assessment of flash flood risk based on improved analytic hierarchy process method and integrated maximum likelihood clustering algorithm. Journal of Hydrology, 2020, 584, 124696.	5.4	90
52	Reference evapotranspiration changes in China: natural processes or human influences?. Theoretical and Applied Climatology, 2011, 103, 479-488.	2.8	86
53	Multi-model ensemble projections in temperature and precipitation extremes of the Tibetan Plateau in the 21st century. Global and Planetary Change, 2012, 80-81, 1-13.	3.5	86
54	Comparison of the global TRMM and WFD precipitation datasets in driving a large-scale hydrological model in southern Africa. Hydrology Research, 2013, 44, 770-788.	2.7	85

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55	Comparison of four nonstationary hydrologic design methods for changing environment. Journal of Hydrology, 2017, 551, 132-150.	5.4	79
56	Does the Hook Structure Constrain Future Flood Intensification Under Anthropogenic Climate Warming?. Water Resources Research, 2021, 57, e2020WR028491.	4.2	78
57	Assessing the performance of satellite-based precipitation products and its dependence on topography over Poyang Lake basin. Theoretical and Applied Climatology, 2014, 115, 713-729.	2.8	77
58	Influence of ENSO on precipitation in the East River basin, south China. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2207-2219.	3.3	76
59	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
60	Multiscale variability of sediment load and streamflow of the lower Yangtze River basin: Possible causes and implications. Journal of Hydrology, 2009, 368, 96-104.	5.4	75
61	Statistical and hydrological evaluation of the latest Integrated Multi-satellitE Retrievals for GPM (IMERG) over a midlatitude humid basin in South China. Atmospheric Research, 2018, 214, 418-429.	4.1	75
62	From GCMs to river flow: a review of downscaling methods and hydrologic modelling approaches. Progress in Physical Geography, 1999, 23, 229-249.	3.2	75
63	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
64	Multifractal detrended fluctuation analysis of streamflow series of the Yangtze River basin, China. Hydrological Processes, 2008, 22, 4997-5003.	2.6	73
65	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
66	Modified Palmer Drought Severity Index: Model improvement and application. Environment International, 2019, 130, 104951.	10.0	72
67	Blending multi-satellite, atmospheric reanalysis and gauge precipitation products to facilitate hydrological modelling. Journal of Hydrology, 2021, 593, 125878.	5.4	72
68	Deriving Reservoir Refill Operating Rules by Using the Proposed DPNS Model. Water Resources Management, 2006, 20, 337-357.	3.9	71
69	Regional flood frequency and spatial patterns analysis in the Pearl River Delta region using L-moments approach. Stochastic Environmental Research and Risk Assessment, 2010, 24, 165-182.	4.0	71
70	Deriving Optimal Refill Rules for Multi-Purpose Reservoir Operation. Water Resources Management, 2011, 25, 431-448.	3.9	71
71	Development of a new IHA method for impact assessment of climate change on flow regime. Global and Planetary Change, 2017, 156, 68-79.	3.5	71
72	A framework for quantifying the impacts of climate change and human activities on hydrological drought in a semiarid basin of Northern China. Hydrological Processes, 2019, 33, 1075-1088.	2.6	71

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73	Hydrologic alteration along the Middle and Upper East River (Dongjiang) basin, South China: a visually enhanced mining on the results of RVA method. Stochastic Environmental Research and Risk Assessment, 2010, 24, 9-18.	4.0	70
74	Drought hazard transferability from meteorological to hydrological propagation. Journal of Hydrology, 2020, 585, 124761.	5.4	70
75	Joint Operation of the Multi-Reservoir System of the Three Gorges and the Qingjiang Cascade Reservoirs. Energies, 2011, 4, 1036-1050.	3.1	69
76	Impact of projected climate change on the hydrology in the headwaters of the Yellow River basin. Hydrological Processes, 2015, 29, 4379-4397.	2.6	69
77	Changes of temperature extremes for 1960â€“2004 in Far-West China. Stochastic Environmental Research and Risk Assessment, 2009, 23, 721-735.	4.0	68
78	Spatial and temporal characteristics of actual evapotranspiration over Haihe River basin in China. Stochastic Environmental Research and Risk Assessment, 2012, 26, 655-669.	4.0	67
79	Joint Operation and Dynamic Control of Flood Limiting Water Levels for Cascade Reservoirs. Water Resources Management, 2013, 27, 749-763.	3.9	67
80	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
81	Operational testing of a water balance model for predicting climate change impacts. Agricultural and Forest Meteorology, 1999, 98-99, 295-304.	4.8	66
82	Regional analysis of low flow using L-moments for Dongjiang basin, South China. Hydrological Sciences Journal, 2006, 51, 1051-1064.	2.6	66
83	Temporal and spatial patterns of low-flow changes in the Yellow River in the last half century. Stochastic Environmental Research and Risk Assessment, 2010, 24, 297-309.	4.0	66
84	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
85	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
86	Deriving multiple nearâ€optimal solutions to deterministic reservoir operation problems. Water Resources Research, 2011, 47, .	4.2	65
87	Statistical downscaling of extreme daily precipitation, evaporation, and temperature and construction of future scenarios. Hydrological Processes, 2012, 26, 3510-3523.	2.6	65
88	Design Flood Hydrograph Based on Multicharacteristic Synthesis Index Method. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1359-1364.	1.9	64
89	Recent glacier and lake changes in High Mountain Asia and their relation to precipitation changes. Cryosphere, 2019, 13, 2977-3005.	3.9	64
90	Utility of integrated IMERG precipitation and GLEAM potential evapotranspiration products for drought monitoring over mainland China. Atmospheric Research, 2021, 247, 105141.	4.1	64

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91	Title is missing!. Water Resources Management, 2001, 15, 75-92.	3.9	63
92	Comparison of evapotranspiration variations between the Yellow River and Pearl River basin, China. Stochastic Environmental Research and Risk Assessment, 2011, 25, 139-150.	4.0	62
93	Development and testing of a simple physically-based distributed rainfall-runoff model for storm runoff simulation in humid forested basins. Journal of Hydrology, 2007, 336, 334-346.	5.4	61
94	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
95	Optimal Operation of Multi-reservoir Systems Considering Time-lags of Flood Routing. Water Resources Management, 2016, 30, 523-540.	3.9	61
96	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
97	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
98	Development and testing of a new storm runoff routing approach based on time variant spatially distributed travel time method. Journal of Hydrology, 2009, 369, 44-54.	5.4	60
99	Statistical downscaling of daily precipitation over Sweden using GCM output. Theoretical and Applied Climatology, 2009, 96, 95-103.	2.8	59
100	Prediction of temperature and precipitation in Sudan and South Sudan by using LARS-WG in future. Theoretical and Applied Climatology, 2013, 113, 363-375.	2.8	59
101	Variation of reference evapotranspiration and its contributing climatic factors in the Poyang Lake catchment, China. Hydrological Processes, 2014, 28, 6151-6162.	2.6	58
102	Modeling actual evapotranspiration with routine meteorological variables in the dataâ€scarce region of the Tibetan Plateau: Comparisons and implications. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1638-1657.	3.0	58
103	Improving daily spatial precipitation estimates by merging gauge observation with multiple satellite-based precipitation products based on the geographically weighted ridge regression method. Journal of Hydrology, 2020, 589, 125156.	5.4	58
104	Multifractal analysis of streamflow records of the East River basin (Pearl River), China. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 927-934.	2.6	57
105	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
106	Uncertainty Intercomparison of Different Hydrological Models in Simulating Extreme Flows. Water Resources Management, 2013, 27, 1393-1409.	3.9	57
107	A framework of changeâ€point detection for multivariate hydrological series. Water Resources Research, 2015, 51, 8198-8217.	4.2	57
108	Hydrological projections under climate change in the near future by RegCM4 in Southern Africa using a large-scale hydrological model. Journal of Hydrology, 2015, 528, 1-16.	5.4	57

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109	The changing patterns of floods in Poyang Lake, China: characteristics and explanations. Natural Hazards, 2015, 76, 651-666.	3.4	56
110	A Framework to Quantify the Uncertainty Contribution of GCMs Over Multiple Sources in Hydrological Impacts of Climate Change. Earth's Future, 2020, 8, e2020EF001602.	6.3	56
111	Homogenization of precipitation and flow regimes across China: Changing properties, causes and implications. Journal of Hydrology, 2015, 530, 462-475.	5.4	55
112	Net primary productivity dynamics and associated hydrological driving factors in the floodplain wetland of China's largest freshwater lake. Science of the Total Environment, 2019, 659, 302-313.	8.0	55
113	Water Resources Under Climate Change in Himalayan Basins. Water Resources Management, 2016, 30, 843-859.	3.9	54
114	An improved approach for water quality evaluation: TOPSIS-based informative weighting and ranking (TIWR) approach. Ecological Indicators, 2018, 89, 356-364.	6.3	54
115	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
116	Changes of climate extremes in a typical arid zone: Observations and multimodel ensemble projections. Journal of Geophysical Research, 2011, 116, .	3.3	53
117	Prospect for small-hydropower installation settled upon optimal water allocation: An action to stimulate synergies of water-food-energy nexus. Applied Energy, 2019, 238, 668-682.	10.1	53
118	Dependence of regionalization methods on the complexity of hydrological models in multiple climatic regions. Journal of Hydrology, 2020, 582, 124357.	5.4	53
119	Identifying time-varying hydrological model parameters to improve simulation efficiency by the ensemble Kalman filter: A joint assimilation of streamflow and actual evapotranspiration. Journal of Hydrology, 2019, 568, 758-768.	5.4	52
120	Assessment of the impact of climate change on flow regime at multiple temporal scales and potential ecological implications in an alpine river. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1849-1866.	4.0	51
121	The contribution of internal climate variability to climate change impacts on droughts. Science of the Total Environment, 2019, 684, 229-246.	8.0	51
122	Periodicity of sediment load and runoff in the Yangtze River basin and possible impacts of climatic changes and human activities / PÃ©riodicitÃ© de la charge sÃ©dimentaire et de l'Ã©coulement dans le bassin du Fleuve Yangtze et impacts possibles des changements climatiques et des activitÃ©s humaines. Hydrological Sciences Journal, 2008, 53, 457-465.	2.6	50
123	Multivariate hydrologic design methods under nonstationary conditions and application to engineering practice. Hydrology and Earth System Sciences, 2019, 23, 1683-1704.	4.9	50
124	An advanced complementary scheme of floating photovoltaic and hydropower generation flourishing water-food-energy nexus synergies. Applied Energy, 2020, 275, 115389.	10.1	50
125	Spatial assessment of hydrologic alteration across the Pearl River Delta, China, and possible underlying causes. Hydrological Processes, 2009, 23, 1565-1574.	2.6	49
126	Impacts and socioeconomic exposures of global extreme precipitation events in 1.5 and 2.0ÂÂ°C warmer climates. Science of the Total Environment, 2021, 766, 142665.	8.0	49

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127	Physics-guided deep learning for rainfall-runoff modeling by considering extreme events and monotonic relationships. Journal of Hydrology, 2021, 603, 127043.	5.4	49
128	Regionalization study of a conceptual hydrological model in Dongjiang basin, south China. Quaternary International, 2009, 208, 129-137.	1.5	48
129	Spatiotemporal variations of precipitation regimes across Yangtze River Basin, China. Theoretical and Applied Climatology, 2014, 115, 703-712.	2.8	47
130	Analysis and prediction of reference evapotranspiration with climate change in Xiangjiang River Basin, China. Water Science and Engineering, 2015, 8, 273-281.	3.2	46
131	Multiobjective reservoir operating rules based on cascade reservoir input variable selection method. Water Resources Research, 2017, 53, 3446-3463.	4.2	46
132	A new approach to separating the impacts of climate change and multiple human activities on water cycle processes based on a distributed hydrological model. Journal of Hydrology, 2019, 578, 124096.	5.4	46
133	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
134	Temporal variability in stageâ€“discharge relationships. Journal of Hydrology, 2012, 446-447, 90-102.	5.4	45
135	Stationarity of annual flood peaks during 1951â€“2010 in the Pearl River basin, China. Journal of Hydrology, 2014, 519, 3263-3274.	5.4	45
136	Identifying Explicit Formulation of Operating Rules for Multi-Reservoir Systems Using Genetic Programming. Water Resources Management, 2014, 28, 1545-1565.	3.9	45
137	Deriving joint optimal refill rules for cascade reservoirs with multi-objective evaluation. Journal of Hydrology, 2015, 524, 166-181.	5.4	45
138	Runoff prediction in ungauged catchments in Norway: comparison of regionalization approaches. Hydrology Research, 2018, 49, 487-505.	2.7	45
139	Responses of Precipitation and Runoff to Climate Warming and Implications for Future Drought Changes in China. Earth's Future, 2020, 8, e2020EF001718.	6.3	45
140	Precipitation pattern in the Western Himalayas revealed by four datasets. Hydrology and Earth System Sciences, 2018, 22, 5097-5110.	4.9	44
141	Impacts of climate change and LULC change on runoff in the Jinsha River Basin. Journal of Chinese Geography, 2020, 30, 85-102.	3.9	44
142	A distributed monthly hydrological model for integrating spatial variations of basin topography and rainfall. Hydrological Processes, 2007, 21, 242-252.	2.6	43
143	Spatio-temporal changes of hydrological processes and underlying driving forces in Guizhou region, Southwest China. Stochastic Environmental Research and Risk Assessment, 2009, 23, 1071-1087.	4.0	43
144	Robust stochastic optimization for reservoir operation. Water Resources Research, 2015, 51, 409-429.	4.2	43

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145	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
146	A two-stage method of quantitative flood risk analysis for reservoir real-time operation using ensemble-based hydrologic forecasts. Stochastic Environmental Research and Risk Assessment, 2015, 29, 803-813.	4.0	43
147	Improving Optimization Efficiency for Reservoir Operation Using a Search Space Reduction Method. Water Resources Management, 2017, 31, 1173-1190.	3.9	43
148	Runoff Responses to Climate and Land Use/Cover Changes under Future Scenarios. Water (Switzerland), 2017, 9, 475.	2.7	43
149	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
150	Abrupt behaviors of the streamflow of the Pearl River basin and implications for hydrological alterations across the Pearl River Delta, China. Journal of Hydrology, 2009, 377, 274-283.	5.4	42
151	Integrated optimal allocation model for complex adaptive system of water resources management (I): Methodologies. Journal of Hydrology, 2015, 531, 964-976.	5.4	42
152	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
153	Precipitation extremes in a karst region: a case study in the Guizhou province, southwest China. Theoretical and Applied Climatology, 2010, 101, 53-65.	2.8	41
154	Spatial and temporal variability of daily precipitation in Haihe River basin, 1958â€“2007. Journal of Chinese Geography, 2010, 20, 248-260.	3.9	41
155	A new method for identification of flood seasons using directional statistics. Hydrological Sciences Journal, 2013, 58, 28-40.	2.6	41
156	Does the weighting of climate simulations result in a better quantification of hydrological impacts?. Hydrology and Earth System Sciences, 2019, 23, 4033-4050.	4.9	41
157	Similarity, difference and correlation of meteorological and hydrological drought indices in a humid climate region â€“ the Poyang Lake catchment in China. Hydrology Research, 2016, 47, 1211-1223.	2.7	40
158	Timing of human-induced climate change emergence from internal climate variability for hydrological impact studies. Hydrology Research, 2018, 49, 421-437.	2.7	40
159	A new statistical downscaling approach for global evaluation of the CMIP5 precipitation outputs: Model development and application. Science of the Total Environment, 2019, 690, 1048-1067.	8.0	40
160	Impacts of climate change on the Qingjiang Watershedâ€™s runoff change trend in China. Stochastic Environmental Research and Risk Assessment, 2012, 26, 847-858.	4.0	39
161	Improvement and comparison of likelihood functions for model calibration and parameter uncertainty analysis within a Markov chain Monte Carlo scheme. Journal of Hydrology, 2014, 519, 2202-2214.	5.4	39
162	Similarity and difference of global reanalysis datasets (WFD and APHRODITE) in driving lumped and distributed hydrological models in a humid region of China. Journal of Hydrology, 2016, 542, 343-356.	5.4	39

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163	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. Water Resources Research, 2021, 57, e2020WR029413.	4.2	39
164	Short-term flood probability density forecasting using a conceptual hydrological model with machine learning techniques. Journal of Hydrology, 2022, 604, 127255.	5.4	39
165	Evaluation of the FAO Penmanâ€“Montheith, Priestleyâ€“Taylor and Hargreaves models for estimating reference evapotranspiration in southern Malawi. Hydrology Research, 2013, 44, 706-722.	2.7	38
166	Feasibility and uncertainty of using conceptual rainfall-runoff models in design flood estimation. Hydrology Research, 2016, 47, 701-717.	2.7	38
167	Changes in Forest Net Primary Productivity in the Yangtze River Basin and Its Relationship with Climate Change and Human Activities. Remote Sensing, 2019, 11, 1451.	4.0	38
168	Separating the effects of climate change and human activities on drought propagation via a natural and human-impacted catchment comparison method. Journal of Hydrology, 2021, 603, 126913.	5.4	38
169	Regionalisation of physically-based water balance models in Belgium. Application to ungauged catchments. Water Resources Management, 1991, 5, 199-208.	3.9	37
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