Chong-Yu Xu

List of Publications by Year in Descending Order

421 papers	**14,901** citations	**61** h-index	**103** g-index
441 ext. papers	**17,353** ext. citations	**4.5** avg, IF	**7.02** L-index

#	Paper	IF	Citations
421	Short-term flood probability density forecasting using a conceptual hydrological model with machine learning techniques. *Journal of Hydrology*, **2022**, 604, 127255	6	5
420	Droughts across China: Drought factors, prediction and impacts. *Science of the Total Environment*, **2022**, 803, 150018	10.2	7
419	Regionalization of catchment hydrological model parameters for global water resources simulations. *Hydrology Research*, **2022**, 53, 441-466		0
418	The Development of a Nonstationary Standardised Streamflow Index Using Climate and Reservoir Indices as Covariates. *Water Resources Management*, **2022**, 36, 1377-1392	3.7	2
417	Joint Effects of the DEM Resolution and the Computational Cell Size on the Routing Methods in Hydrological Modelling. *Water (Switzerland)*, **2022**, 14, 797	3	1
416	Postprocessing Ensemble Weather Forecasts for Introducing Multisite and Multivariable Correlations Using Rank Shuffle and Copula Theory. *Monthly Weather Review*, **2022**, 150, 551-565	2.4	0
415	Drying in the low-latitude Atlantic Ocean contributed to terrestrial water storage depletion across Eurasia.. *Nature Communications*, **2022**, 13, 1849	17.4	1
414	Probabilistic interval estimation of design floods under non-stationary conditions by an integrated approach. *Hydrology Research*, **2022**, 53, 259-278		1
413	A new joint optimization method for design and operation of multi-reservoir system considering the conditional value-at-risk. *Journal of Hydrology*, **2022**, 610, 127946	6	0
412	Global soil moisture drought identification and responses to natural and anthropogenic forcings. *Journal of Hydrology*, **2022**, 610, 127993	6	1
411	Physics-guided deep learning for rainfall-runoff modeling by considering extreme events and monotonic relationships. *Journal of Hydrology*, **2021**, 603, 127043	6	5
410	Performance dependence of multi-model combination methods on hydrological model calibration strategy and ensemble size. *Journal of Hydrology*, **2021**, 603, 127065	6	2
409	Updating intensity–duration–frequency curves for urban infrastructure design under a changing environment. *Wiley Interdisciplinary Reviews: Water*, **2021**, 8, e1519	5.7	4
408	The scenario-based variations and causes of future surface soil moisture across China in the twenty-first century. *Environmental Research Letters*, **2021**, 16, 034061	6.2	1
407	Impacts of Water Resources Allocation on Water Environmental Capacity under Climate Change. *Water (Switzerland)*, **2021**, 13, 1187	3	6
406	Optimized Hierarchical Structure and Chemical Gradients Promote the Biomechanical Functions of the Spike of Mantis Shrimps. *ACS Applied Materials & Interfaces*, **2021**, 13, 17380-17391	9.5	2
405	Investigation of inner-basin variation: Impact of large reservoirs on water regimes of downstream water bodies. *Hydrological Processes*, **2021**, 35, e14241	3.3	0

404	Multi-scale design of the chela of the hermit crab Coenobita brevimanus. *Acta Biomaterialia*, **2021**, 127, 229-241	10.8	1
403	Issues influencing accuracy of hydrological modeling in a changing environment. *Water Science and Engineering*, **2021**, 14, 167-170	4	5
402	Detecting and attributing drought-induced changes in catchment hydrological behaviours in a southeastern Australia catchment using a data assimilation method. *Hydrological Processes*, **2021**, 35, e14289	3.3	0
401	Finding the Optimal Multimodel Averaging Method for Global Hydrological Simulations. *Remote Sensing*, **2021**, 13, 2574	5	1
400	An integrated framework of input determination for ensemble forecasts of monthly estuarine saltwater intrusion. *Journal of Hydrology*, **2021**, 598, 126225	6	1
399	Utility of integrated IMERG precipitation and GLEAM potential evapotranspiration products for drought monitoring over mainland China. *Atmospheric Research*, **2021**, 247, 105141	5.4	26
398	A revised range of variability approach considering the morphological alteration of hydrological indicators. *Stochastic Environmental Research and Risk Assessment*, **2021**, 35, 1783-1803	3.5	1
397	Evaluation of climate model simulations in representing the precipitation non-stationarity by considering observational uncertainties. *International Journal of Climatology*, **2021**, 41, 1952-1969	3.5	2
396	Blending multi-satellite, atmospheric reanalysis and gauge precipitation products to facilitate hydrological modelling. *Journal of Hydrology*, **2021**, 593, 125878	6	31
395	Impacts and socioeconomic exposures of global extreme precipitation events in 1.5 and 2.0°C warmer climates. *Science of the Total Environment*, **2021**, 766, 142665	10.2	12
394	Extreme Precipitation Changes in Europe from the Last Millennium to the End of the Twenty-First Century. *Journal of Climate*, **2021**, 34, 567-588	4.4	3
393	Does the Hook Structure Constrain Future Flood Intensification Under Anthropogenic Climate Warming?. *Water Resources Research*, **2021**, 57, e2020WR028491	5.4	29
392	A time-varying parameter estimation approach using split-sample calibration based on dynamic programming. *Hydrology and Earth System Sciences*, **2021**, 25, 711-733	5.5	6
391	Resilience analysis of the nexus across water supply, power generation and environmental systems from a stochastic perspective. *Journal of Environmental Management*, **2021**, 289, 112513	7.9	3
390	Robust Meteorological Drought Prediction Using Antecedent SST Fluctuations and Machine Learning. *Water Resources Research*, **2021**, 57, e2020WR029413	5.4	12
389	The Dependence of Ecosystem Water Use Partitioning on Vegetation Productivity at the Inter-Annual Time Scale. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033756	4.4	1
388	A River Network-Based Hierarchical Model for Deriving Flood Frequency Distributions and Its Application to the Upper Yangtze Basin. *Water Resources Research*, **2021**, 57, e2020WR029374	5.4	3
387	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. *Water Resources Research*, **2021**, 57, e2020WR029529	5.4	4

386	Development of a comprehensive framework for quantifying the impacts of climate change and human activities on river hydrological health variation. *Journal of Hydrology*, **2021**, 600, 126566	6	3
385	Bridging the scale gap: obtaining high-resolution stochastic simulations of gridded daily precipitation in a future climate. *Hydrology and Earth System Sciences*, **2021**, 25, 5259-5275	5.5	0
384	Impact of the number of donor catchments and the efficiency threshold on regionalization performance of hydrological models. *Journal of Hydrology*, **2021**, 601, 126680	6	2
383	A spatiotemporal estimation method for hourly rainfall based on F-SVD in the recommender system. *Environmental Modelling and Software*, **2021**, 144, 105148	5.2	0
382	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	6	7
381	Evaluation of Multi-Satellite Precipitation Datasets and Their Error Propagation in Hydrological Modeling in a Monsoon-Prone Region. *Remote Sensing*, **2020**, 12, 3550	5	8
380	Responses of Precipitation and Runoff to Climate Warming and Implications for Future Drought Changes in China. *Earth's Future*, **2020**, 8, e2020EF001718	7.9	14
379	Detection and attribution of flood responses to precipitation change and urbanization: a case study in Qinhuai River Basin, Southeast China **2020**, 51, 351-365		7
378	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	6	21
377	On the Applicability of the Expected Waiting Time Method in Nonstationary Flood Design. *Water Resources Management*, **2020**, 34, 2585-2601	3.7	4
376	An advanced complementary scheme of floating photovoltaic and hydropower generation flourishing water-food-energy nexus synergies. *Applied Energy*, **2020**, 275, 115389	10.7	25
375	Spatial and Temporal Characterization of Drought Events in China Using the Severity-Area-Duration Method. *Water (Switzerland)*, **2020**, 12, 230	3	11
374	Drought hazard transferability from meteorological to hydrological propagation. *Journal of Hydrology*, **2020**, 585, 124761	6	20
373	Dynamics of hydrological-model parameters: mechanisms, problems and solutions. *Hydrology and Earth System Sciences*, **2020**, 24, 1347-1366	5.5	7
372	A Markov Chain-Based Bias Correction Method for Simulating the Temporal Sequence of Daily Precipitation. *Atmosphere*, **2020**, 11, 109	2.7	4
371	Evaluation of global forcing datasets for hydropower inflow simulation in Nepal **2020**, 51, 202-225		6
370	Improving the Reliability of Probabilistic Multi-Step-Ahead Flood Forecasting by Fusing Unscented Kalman Filter with Recurrent Neural Network. *Water (Switzerland)*, **2020**, 12, 578	3	13
369	Usage of SIMWE model to model urban overland flood: a case study in Oslo **2020**, 51, 366-380		9

368	Transferability of a Conceptual Hydrological Model across Different Temporal Scales and Basin Sizes. *Water Resources Management*, **2020**, 34, 2953-2968	3.7	3
367	Investigating the downstream sediment load change by an index coupling effective rainfall information with reservoir sediment trapping capacity. *Journal of Hydrology*, **2020**, 590, 125200	6	3
366	Detection and attribution of abrupt shift in minor periods in human-impacted streamflow. *Journal of Hydrology*, **2020**, 584, 124637	6	7
365	Assessment of flash flood risk based on improved analytic hierarchy process method and integrated maximum likelihood clustering algorithm. *Journal of Hydrology*, **2020**, 584, 124696	6	38
364	The changing nature and projection of floods across Australia. *Journal of Hydrology*, **2020**, 584, 124703	6	6
363	Determining dynamic water level control boundaries for a multi-reservoir system during flood seasons with considering channel storage. *Journal of Flood Risk Management*, **2020**, 13, e12586	3.1	7
362	Heuristic Input Variable Selection in Multi-Objective Reservoir Operation. *Water Resources Management*, **2020**, 34, 617-636	3.7	5
361	Evaluating the area and position accuracy of surface water paths obtained by flow direction algorithms. *Journal of Hydrology*, **2020**, 583, 124619	6	3
360	Quantifying the Impact of Compounding Influencing Factors to the Water Level Decline of China's Largest Freshwater Lake. *Journal of Water Resources Planning and Management - ASCE*, **2020**, 146, 05020006	2.8	3
359	Impacts of Using State-of-the-Art Multivariate Bias Correction Methods on Hydrological Modeling Over North America. *Water Resources Research*, **2020**, 56, e2019WR026659	5.4	10
358	Reducing lake water-level decline by optimizing reservoir operating rule curves: A case study of the Three Gorges Reservoir and the Dongting Lake. *Journal of Cleaner Production*, **2020**, 264, 121676	10.3	13
357	Impacts of bias nonstationarity of climate model outputs on hydrological simulations **2020**, 51, 925-941		6
356	The influence of a prolonged meteorological drought on catchment water storage capacity: a hydrological-model perspective. *Hydrology and Earth System Sciences*, **2020**, 24, 4369-4387	5.5	4
355	A framework for seasonal variations of hydrological model parameters: impact on model results and response to dynamic catchment characteristics. *Hydrology and Earth System Sciences*, **2020**, 24, 5859-5874	5.5	
354	Glacier variations and their response to climate change in an arid inland river basin of Northwest China. *Journal of Arid Land*, **2020**, 12, 357-373	2.2	6
353	Impacts of climate change and LULC change on runoff in the Jinsha River Basin. *Journal of Chinese Geography*, **2020**, 30, 85-102	3.7	12
352	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	3.5	9
351	Dependence of regionalization methods on the complexity of hydrological models in multiple climatic regions. *Journal of Hydrology*, **2020**, 582, 124357	6	27

332	A Climatic Perspective on the Impacts of Global Warming on Water Cycle of Cold Mountainous Catchments in the Tibetan Plateau: A Case Study in Yarlung Zangbo River Basin. *Water (Switzerland)*, **2020**, 12, 2338	3	3
331	Multivariate framework for the assessment of key forcing to Lake Malawi level variations in non-stationary frequency analysis. *Environmental Monitoring and Assessment*, **2020**, 192, 593	3.1	5
330	An improved routing algorithm for a large-scale distributed hydrological model with consideration of underlying surface impact **2020**, 51, 834-853		2
329	Stimulate hydropower output of mega cascade reservoirs using an improved Kidney Algorithm. *Journal of Cleaner Production*, **2020**, 244, 118613	10.3	5
328	Seasonal rainfall forecasting for the Yangtze River basin using statistical and dynamical models. *International Journal of Climatology*, **2020**, 40, 361-377	3.5	7
327	Toward Monitoring Short-Term Droughts Using a Novel Daily Scale, Standardized Antecedent Precipitation Evapotranspiration Index. *Journal of Hydrometeorology*, **2020**, 21, 891-908	3.7	28
326	Evaluation and Bias Correction of S2S Precipitation for Hydrological Extremes. *Journal of Hydrometeorology*, **2019**, 20, 1887-1906	3.7	9
325	Rainfall Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. *Water (Switzerland)*, **2019**, 11, 1858	3	2
324	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	6	26
323	Modeling saltwater intrusion using an integrated Bayesian model averaging method in the Pearl River Delta. *Journal of Hydroinformatics*, **2019**, 21, 1147-1162	2.6	5
322	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	10.7	30
321	Selection of an Optimal Distribution Curve for Non-Stationary Flood Series. *Atmosphere*, **2019**, 10, 31	2.7	2
320	Improving the Informational Value of MODIS Fractional Snow Cover Area Using Fuzzy Logic Based Ensemble Smoother Data Assimilation Frameworks. *Remote Sensing*, **2019**, 11, 28	5	6
319	Performance of Post-Processed Methods in Hydrological Predictions Evaluated by Deterministic and Probabilistic Criteria. *Water Resources Management*, **2019**, 33, 3289-3302	3.7	9
318	The contribution of internal climate variability to climate change impacts on droughts. *Science of the Total Environment*, **2019**, 684, 229-246	10.2	30
317	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. *Water (Switzerland)*, **2019**, 11, 812	3	2
316	A Censored Shifted Mixture Distribution Mapping Method to Correct the Bias of Daily IMERG Satellite Precipitation Estimates. *Remote Sensing*, **2019**, 11, 1345	5	9
315	Development of load duration curve system in data-scarce watersheds based on a distributed hydrological model **2019**, 50, 886-900		7

314	Twenty-first-century glacio-hydrological changes in the Himalayan headwater Beas River basin. *Hydrology and Earth System Sciences*, **2019**, 23, 1483-1503	5.5	20
313	Reducing uncertainty of design floods of two-component mixture distributions by utilizing flood timescale to classify flood types in seasonally snow covered region. *Journal of Hydrology*, **2019**, 574, 588-608	6	13
312	Simulation of Flow and Agricultural Non-Point Source Pollutant Transport in a Tibetan Plateau Irrigation District. *Water (Switzerland)*, **2019**, 11, 132	3	2
311	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	6	30
310	Multivariate hydrologic design methods under nonstationary conditions and application to engineering practice. *Hydrology and Earth System Sciences*, **2019**, 23, 1683-1704	5.5	25
309	Derivation of Hydropower Rules for Multireservoir Systems and Its Application for Optimal Reservoir Storage Allocation. *Journal of Water Resources Planning and Management - ASCE*, **2019**, 145, 04019010	2.8	9
308	Reconstruction of high spatial resolution surface air temperature data across China: A new geo-intelligent multisource data-based machine learning technique. *Science of the Total Environment*, **2019**, 665, 300-313	10.2	20
307	Understanding the Resilience of Soil Moisture Regimes. *Water Resources Research*, **2019**, 55, 7541-7563	5.4	4
306	A general framework of design flood estimation for cascade reservoirs in operation period. *Journal of Hydrology*, **2019**, 577, 124003	6	11
305	A three-process-based distributed soil erosion model at catchment scale on the Loess Plateau of China. *Journal of Hydrology*, **2019**, 578, 124005	6	5
304	A modified regional L-moment method for regional extreme precipitation frequency analysis in the Songliao River Basin of China. *Atmospheric Research*, **2019**, 230, 104629	5.4	6
303	Real-time reservoir flood control operation for cascade reservoirs using a two-stage flood risk analysis method. *Journal of Hydrology*, **2019**, 577, 123954	6	15
302	Impacts of Climate Change and Land-Use Change on Hydrological Extremes in the Jinsha River Basin. *Water (Switzerland)*, **2019**, 11, 1398	3	20
301	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	10.2	19
300	Aerosol Optical Depth Over the Nepalese Cryosphere Derived From an Empirical Model. *Frontiers in Earth Science*, **2019**, 7,	3.5	7
299	Assessing Hydrological and Sedimentation Effects from Bottom Topography Change in a Complex River囗ake System of Poyang Lake, China. *Water (Switzerland)*, **2019**, 11, 1489	3	4
298	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	5	11
297	Modified Palmer Drought Severity Index: Model improvement and application. *Environment International*, **2019**, 130, 104951	12.9	39

296	Utilizing Satellite Surface Soil Moisture Data in Calibrating a Distributed Hydrological Model Applied in Humid Regions Through a Multi-Objective Bayesian Hierarchical Framework. *Remote Sensing*, **2019**, 11, 1335	5	8
295	Does the weighting of climate simulations result in a better quantification of hydrological impacts?. *Hydrology and Earth System Sciences*, **2019**, 23, 4033-4050	5.5	21
294	Emergency Disposal Solution for Control of a Giant Landslide and Dammed Lake in Yangtze River, China. *Water (Switzerland)*, **2019**, 11, 1939	3	0
293	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	5.5	12
292	Comparison of multiple downscaling techniques for climate change projections given the different climatic zones in China. *Theoretical and Applied Climatology*, **2019**, 138, 27-45	3	3
291	New Methods for the Assessment of Flow Regime Alteration under Climate Change and Human Disturbance. *Water (Switzerland)*, **2019**, 11, 2435	3	1
290	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	3	4
289	Recent glacier and lake changes in High Mountain Asia and their relation to precipitation changes. *Cryosphere*, **2019**, 13, 2977-3005	5.5	33
288	New Approach for Bias Correction and Stochastic Downscaling of Future Projections for Daily Mean Temperatures to a High-Resolution Grid. *Journal of Applied Meteorology and Climatology*, **2019**, 58, 2617-2632	2.7	5
287	Reply to 'Increases in temperature do not translate to increased flooding'. *Nature Communications*, **2019**, 10, 5675	17.4	6
286	Terrestrial Water Storage in China: Spatiotemporal Pattern and Driving Factors. *Sustainability*, **2019**, 11, 6646	3.6	4
285	Rational Function Method for Allocating Water Resources in the Coupled Natural-Human Systems. *Water Resources Management*, **2019**, 33, 57-73	3.7	4
284	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	10.2	32
283	Is Himalayan-Tibetan Plateau "drying"? Historical estimations and future trends of surface soil moisture. *Science of the Total Environment*, **2019**, 658, 374-384	10.2	16
282	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	9
281	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	3.3	34
280	Characteristics of summer extreme precipitation in the Huai River basin and their relationship with East Asia summer monsoon during 1960-2014. *International Journal of Climatology*, **2019**, 39, 1555-1570	3.5	6
279	Incorporating reservoir impacts into flood frequency distribution functions. *Journal of Hydrology*, **2019**, 568, 234-246	6	17

278	Transferability of regionalization methods under changing climate. *Journal of Hydrology*, **2019**, 568, 67-84		16
277	Identifying the Relationship between Assignments of Scenario Weights and their Positions in the Derivation of Reservoir Operating Rules under Climate Change. *Water Resources Management*, **2019**, 33, 261-279	3.7	4
276	Bias nonstationarity of global climate model outputs: The role of internal climate variability and climate model sensitivity. *International Journal of Climatology*, **2019**, 39, 2278-2294	3.5	11
275	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	6	24
274	Understanding the discharge regime of a glacierized alpine catchment in the Tianshan Mountains using an improved HBV-D hydrological model. *Global and Planetary Change*, **2019**, 172, 211-222	4.2	20
273	Development of WEP-COR model to simulate land surface water and energy budgets in a cold region **2019**, 50, 99-116		2
272	An improved approach for water quality evaluation: TOPSIS-based informative weighting and ranking (TIWR) approach. *Ecological Indicators*, **2018**, 89, 356-364	5.8	38
271	Flood Frequency Analysis Using Halphen Distribution and Maximum Entropy. *Journal of Hydrologic Engineering - ASCE*, **2018**, 23, 04018012	1.8	9
270	Evaluation of flood season segmentation using seasonal exceedance probability measurement after outlier identification in the Three Gorges Reservoir. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 1573-1586	3.5	4
269	Statistics for sample splitting for the calibration and validation of hydrological models. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 3099-3116	3.5	19
268	Vegetation's role in controlling long-term response of near ground air temperature to precipitation change in a semi-arid region. *Journal of Arid Environments*, **2018**, 152, 83-86	2.5	2
267	Timing of human-induced climate change emergence from internal climate variability for hydrological impact studies **2018**, 49, 421-437		25
266	Temporal variation and scaling of parameters for a monthly hydrologic model. *Journal of Hydrology*, **2018**, 558, 290-300	6	27
265	Quantifying the Human Induced Water Level Decline of China's Largest Freshwater Lake from the Changing Underlying Surface in the Lake Region. *Water Resources Management*, **2018**, 32, 1467-1482	3.7	22
264	Hydrological uncertainty processor based on a copula function. *Hydrological Sciences Journal*, **2018**, 63, 74-86	3.5	23
263	Using maximum likelihood to derive various distance-based goodness-of-fit indicators for hydrologic modeling assessment. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 949-966	3.5	4
262	Transferability of Conceptual Hydrological Models Across Temporal Resolutions: Approach and Application. *Water Resources Management*, **2018**, 32, 1367-1381	3.7	13
261	Runoff prediction in ungauged catchments in Norway: comparison of regionalization approaches **2018**, 49, 487-505		27

260	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, 04018005	2.8	13
259	Toward Improved Calibration of SWAT Using Season-Based Multi-Objective Optimization: a Case Study in the Jinjiang Basin in Southeastern China. *Water Resources Management*, **2018**, 32, 1193-1207	3.7	14
258	The response of lake area and vegetation cover variations to climate change over the Qinghai-Tibetan Plateau during the past 30years. *Science of the Total Environment*, **2018**, 635, 443-451	10.2	71
257	A probabilistic method for streamflow projection and associated uncertainty analysis in a data sparse alpine region. *Global and Planetary Change*, **2018**, 165, 100-113	4.2	18
256	Definitions of climatological and discharge days: do they matter in hydrological modelling?. *Hydrological Sciences Journal*, **2018**, 63, 836-844	3.5	6
255	Quantifying multi-source uncertainties in multi-model predictions using the Bayesian model averaging scheme **2018**, 49, 954-970		17
254	Investigation of the complexity of streamflow fluctuations in a large heterogeneous lake catchment in China. *Theoretical and Applied Climatology*, **2018**, 132, 751-762	3	3
253	Partitioning multi-source uncertainties in simulating nitrogen loading in stream water using a coherent, stochastic framework: Application to a rice agricultural watershed in subtropical China. *Science of the Total Environment*, **2018**, 618, 1298-1313	10.2	6
252	Characterization of rainstorm modes along the upper mainstream of Yangtze River during 2003⊠2016. *International Journal of Climatology*, **2018**, 38, 1976-1988	3.5	9
251	Optimal Design of Seasonal Flood Limited Water Levels by Jointing Operation of the Reservoir and Floodplains. *Water Resources Management*, **2018**, 32, 179-193	3.7	21
250	Comprehensive evaluation of multiple methods for assessing water resources variability of a lake⊠river system under the changing environment **2018**, 49, 332-343		3
249	Evaluating Consistency between the Remotely Sensed Soil Moisture and the Hydrological Model-Simulated Soil Moisture in the Qujiang Catchment of China. *Water (Switzerland)*, **2018**, 10, 291	3	11
248	Boosting hydropower output of mega cascade reservoirs using an evolutionary algorithm with successive approximation. *Applied Energy*, **2018**, 228, 1726-1739	10.7	24
247	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	5.4	55
246	Invigorating hydrological research through journal publications. *Hydrological Sciences Journal*, **2018**, 63, 1113-1117	3.5	3
245	Deriving Optimal Operating Rules of a Multi-Reservoir System Considering Incremental Multi-Agent Benefit Allocation. *Water Resources Management*, **2018**, 32, 3629-3645	3.7	7
244	Comparison of First-Order and Second-Order Derived Moment Approaches in Estimating Annual Runoff Distribution. *Journal of Hydrologic Engineering - ASCE*, **2018**, 23, 04018034	1.8	3
243	Relating Anomaly Correlation to Lead Time: Principal Component Analysis of NMME Forecasts of Summer Precipitation in China. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 6039-6052	4.4	6

242	Joint Editorial Invigorating Hydrological Research through Journal Publications. *Journal of Hydrology and Hydromechanics*, **2018**, 66, 257-260	2.1	1
241	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	3.5	39
240	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	6	78
239	Stream temperature response to climate change and water diversion activities. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 1397-1413	3.5	10
238	Rainfall-induced landslide susceptibility assessment using random forest weight at basin scale **2018**, 49, 1363-1378		9
237	Assessing the adequacy of bias corrected IMERG satellite precipitation estimates using extended mixture distribution mapping method over Yangtze River basin. *MATEC Web of Conferences*, **2018**, 246, 01096	0.3	
236	Synthetic Impacts of Internal Climate Variability and Anthropogenic Change on Future Meteorological Droughts over China. *Water (Switzerland)*, **2018**, 10, 1702	3	8
235	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	5	9
234	Joint editorial: Invigorating hydrological research through journal publications. *Hydrology and Earth System Sciences*, **2018**, 22, 5735-5739	5.5	2
233	A Clustering Preprocessing Framework for the Subannual Calibration of a Hydrological Model Considering Climate-Land Surface Variations. *Water Resources Research*, **2018**, 54, 10,034	5.4	21
232	Precipitation pattern in the Western Himalayas revealed by four datasets. *Hydrology and Earth System Sciences*, **2018**, 22, 5097-5110	5.5	17
231	Identification of flood seasonality using an entropy-based method. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 3021-3035	3.5	5
230	Invigorating Hydrological Research through Journal Publications. *Journal of Hydrometeorology*, **2018**, 19, 1713-1719	3.7	
229	Simulation of Dualistic Hydrological Processes Affected by Intensive Human Activities Based on Distributed Hydrological Model. *Journal of Water Resources Planning and Management - ASCE*, **2018**, 144, 04018077	2.8	11
228	A progressive segmented optimization algorithm for calibrating time-variant parameters of the snowmelt runoff model (SRM). *Journal of Hydrology*, **2018**, 566, 470-483	6	12
227	Transferability of climate simulation uncertainty to hydrological impacts. *Hydrology and Earth System Sciences*, **2018**, 22, 3739-3759	5.5	21
226	Joint Editorial: Invigorating Hydrological Research through Journal Publications. *Vadose Zone Journal*, **2018**, 17, 180001ed	2.7	
225	The effect of rain gauge density and distribution on runoff simulation using a lumped hydrological modelling approach. *Journal of Hydrology*, **2018**, 563, 106-122	6	42

224	Tracking the error sources of spatiotemporal differences in TRMM accuracy using error decomposition method **2018**, 49, 1960-1976		6
223	Multiple causes of nonstationarity in the Weihe annual low-flow series. *Hydrology and Earth System Sciences*, **2018**, 22, 1525-1542	5.5	12
222	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	3.5	12
221	Event and model dependent rainfall adjustments to improve discharge predictions. *Hydrological Sciences Journal*, **2017**, 62, 232-245	3.5	5
220	Improving Optimization Efficiency for Reservoir Operation Using a Search Space Reduction Method. *Water Resources Management*, **2017**, 31, 1173-1190	3.7	33
219	Multiobjective reservoir operating rules based on cascade reservoir input variable selection method. *Water Resources Research*, **2017**, 53, 3446-3463	5.4	35
218	Comparison of four nonstationary hydrologic design methods for changing environment. *Journal of Hydrology*, **2017**, 551, 132-150	6	57
217	A process-based insight into nonstationarity of the probability distribution of annual runoff. *Water Resources Research*, **2017**, 53, 4214-4235	5.4	14
216	Using raw regional climate model outputs for quantifying climate change impacts on hydrology. *Hydrological Processes*, **2017**, 31, 4398-4413	3.3	10
215	Relating anomaly correlation to lead time: Clustering analysis of CFSv2 forecasts of summer precipitation in China. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 9094-9106	4.4	9
214	How do the multiple large-scale climate oscillations trigger extreme precipitation?. *Global and Planetary Change*, **2017**, 157, 48-58	4.2	24
213	Coupling a Markov Chain and Support Vector Machine for At-Site Downscaling of Daily Precipitation. *Journal of Hydrometeorology*, **2017**, 18, 2385-2406	3.7	6
212	Development of a new IHA method for impact assessment of climate change on flow regime. *Global and Planetary Change*, **2017**, 156, 68-79	4.2	47
211	Deriving adaptive operating rules of hydropower reservoirs using time-varying parameters generated by the EnKF. *Water Resources Research*, **2017**, 53, 6885-6907	5.4	28
210	Adaptive reservoir flood limited water level for a changing environment. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	7
209	Change of annual extreme water levels and correlation with river discharges in the middle-lower Yangtze River: Characteristics and possible affecting factors. *Chinese Geographical Science*, **2017**, 27, 325-336	2.9	6
208	The Dynamic Control Bound of Flood Limited Water Level Considering Capacity Compensation Regulation and Flood Spatial Pattern Uncertainty. *Water Resources Management*, **2017**, 31, 143-158	3.7	17
207	Frequency analysis of nonstationary annual maximum flood series using the time-varying two-component mixture distributions. *Hydrological Processes*, **2017**, 31, 69-89	3.3	45

206	Reproducing an extreme flood with uncertain post-event information. *Hydrology and Earth System Sciences*, **2017**, 21, 3597-3618	5.5	9
205	Comparative Study on the Selection Criteria for Fitting Flood Frequency Distribution Models with Emphasis on Upper-Tail Behavior. *Water (Switzerland)*, **2017**, 9, 320	3	9
204	Runoff Responses to Climate and Land Use/Cover Changes under Future Scenarios. *Water (Switzerland)*, **2017**, 9, 475	3	27
203	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	6	23
202	Evaluating functions of reservoirs? storage capacities and locations on daily peak attenuation for Ganjiang River Basin using Xinanjiang model. *Chinese Geographical Science*, **2016**, 26, 789-802	2.9	11
201	Analysis of Poyang Lake water balance and its indication of river-lake interaction. *SpringerPlus*, **2016**, 5, 1555		12
200	A modeling study of the influences of Yangtze River and local catchment on the development of floods in Poyang Lake, China **2016**, 47, 102-119		22
199	A generalized concentration curve (GCC) method for storm flow hydrograph prediction in a conceptual linear reservoir-channel cascade **2016**, 47, 932-950		2
198	Evaluation of the effect of land use/cover change on flood characteristics using an integrated approach coupling land and flood analysis **2016**, 47, 1161-1171		21
197	A real-time operation of the Three Gorges Reservoir with flood risk analysis. *Water Science and Technology: Water Supply*, **2016**, 16, 551-562	1.4	2
196	Spatio-temporal characteristics of the extreme precipitation by L-moment-based index-flood method in the Yangtze River Delta region, China. *Theoretical and Applied Climatology*, **2016**, 124, 1005-1022	3	14
195	Water Resources Under Climate Change in Himalayan Basins. *Water Resources Management*, **2016**, 30, 843-859	3.7	42
194	Derivation of water and power operating rules for multi-reservoirs. *Hydrological Sciences Journal*, **2016**, 61, 359-370	3.5	20
193	Optimal Operation of Multi-reservoir Systems Considering Time-lags of Flood Routing. *Water Resources Management*, **2016**, 30, 523-540	3.7	43
192	On the Linkage between the Extreme Drought and Pluvial Patterns in China and the Large-Scale Atmospheric Circulation. *Advances in Meteorology*, **2016**, 2016, 1-12	1.7	5
191	Evaluation of TRMM Multisatellite Precipitation Analysis in the Yangtze River Basin with a Typical Monsoon Climate. *Advances in Meteorology*, **2016**, 2016, 1-13	1.7	12
190	A procedure for assessing the impacts of land-cover change on soil erosion at basin scale **2016**, 47, 903-918		8
189	Discharge sensitivity to snowmelt parameterization: a case study for Upper Beas basin in Himachal Pradesh, India **2016**, 47, 683-700		17

188	Feasibility and uncertainty of using conceptual rainfall-runoff models in design flood estimation **2016**, 47, 701-717		29
187	Probabilistic prediction in ungauged basins (PUB) based on regional parameter estimation and Bayesian model averaging **2016**, 47, 1087-1103		10
186	Similarity, difference and correlation of meteorological and hydrological drought indices in a humid climate region the Poyang Lake catchment in China **2016**, 47, 1211-1223		31
185	A comparative study of different objective functions to improve the flood forecasting accuracy **2016**, 47, 718-735		28
184	Trend and concentration characteristics of precipitation and related climatic teleconnections from 1982 to 2010 in the Beas River basin, India. *Global and Planetary Change*, **2016**, 145, 116-129	4.2	24
183	Considering the Order and Symmetry to Improve the Traditional RVA for Evaluation of Hydrologic Alteration of River Systems. *Water Resources Management*, **2016**, 30, 5501-5516	3.7	7
182	Variations of annual and seasonal runoff in Guangdong Province, south China: spatiotemporal patterns and possible causes. *Meteorology and Atmospheric Physics*, **2015**, 127, 273-288	2	3
181	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	6	50
180	Observed and simulated changes in the water balance components over Malawi, during 1971 2000. *Quaternary International*, **2015**, 369, 7-16	2	14
179	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	3.7	33
178	Deriving joint optimal refill rules for cascade reservoirs with multi-objective evaluation. *Journal of Hydrology*, **2015**, 524, 166-181	6	39
177	Relative Importance Analysis of a Refined Multi-parameter Phosphorus Index Employed in a Strongly Agriculturally Influenced Watershed. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	12
176	Return period and risk analysis of nonstationary low-flow series under climate change. *Journal of Hydrology*, **2015**, 527, 234-250	6	88
175	Stability of model performance and parameter values on two catchments facing changes in climatic conditions. *Hydrological Sciences Journal*, **2015**, 60, 1317-1330	3.5	19
174	Entropy theory based multi-criteria resampling of rain gauge networks for hydrological modelling A case study of humid area in southern China. *Journal of Hydrology*, **2015**, 525, 138-151	6	53
173	Integrated optimal allocation model for complex adaptive system of water resources management (I): Methodologies. *Journal of Hydrology*, **2015**, 531, 964-976	6	32
172	Integrated optimal allocation model for complex adaptive system of water resources management (II): Case study. *Journal of Hydrology*, **2015**, 531, 977-991	6	16
171	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	3.5	36

170	The changing patterns of floods in Poyang Lake, China: characteristics and explanations. *Natural Hazards*, **2015**, 76, 651-666	3	44
169	Homogenization of precipitation and flow regimes across China: Changing properties, causes and implications. *Journal of Hydrology*, **2015**, 530, 462-475	6	43
168	Derivation of operation rules for reservoirs in parallel with joint water demand. *Water Resources Research*, **2015**, 51, 9539-9563	5.4	19
167	Imbalanced land surface water budgets in a numerical weather prediction system. *Geophysical Research Letters*, **2015**, 42, 4411-4417	4.9	11
166	Water balance between surface water and groundwater in the withdrawal process: a case study of the Osceola watershed **2015**, 46, 943-953		8
165	A framework of change-point detection for multivariate hydrological series. *Water Resources Research*, **2015**, 51, 8198-8217	5.4	45
164	Flood frequency under the influence of trends in the Pearl River basin, China: changing patterns, causes and implications. *Hydrological Processes*, **2015**, 29, 1406-1417	3.3	18
163	Observational evidence of summer precipitation deficit-temperature coupling in China. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 10,040	4.4	23
162	Modeling actual evapotranspiration with routine meteorological variables in the data-scarce region of the Tibetan Plateau: Comparisons and implications. *Journal of Geophysical Research G: Biogeosciences*, **2015**, 120, 1638-1657	3.7	44
161	Bivariate frequency analysis of nonstationary low-flow series based on the time-varying copula. *Hydrological Processes*, **2015**, 29, 1521-1534	3.3	93
160	Impact of projected climate change on the hydrology in the headwaters of the Yellow River basin. *Hydrological Processes*, **2015**, 29, 4379-4397	3.3	51
159	Daily Runoff Forecasting Model Based on ANN and Data Preprocessing Techniques. *Water (Switzerland)*, **2015**, 7, 4144-4160	3	12
158	Investigation of the Variability and Implications of Meteorological Dry/Wet Conditions in the Poyang Lake Catchment, China, during the Period 1960-2010. *Advances in Meteorology*, **2015**, 2015, 1-11	1.7	12
157	Optimal design of seasonal flood limited water levels and its application for the Three Gorges Reservoir. *Journal of Hydrology*, **2015**, 527, 1045-1053	6	124
156	Robust stochastic optimization for reservoir operation. *Water Resources Research*, **2015**, 51, 409-429	5.4	32
155	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	3.5	26
154	Analysis and prediction of reference evapotranspiration with climate change in Xiangjiang River Basin, China. *Water Science and Engineering*, **2015**, 8, 273-281	4	37
153	Examining the influence of river–lake interaction on the drought and water resources in the Poyang Lake basin. *Journal of Hydrology*, **2015**, 522, 510-521	6	113

152	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	6	189
151	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	6	34
150	Joint operation and dynamic control of flood limiting water levels for mixed cascade reservoir systems. *Journal of Hydrology*, **2014**, 519, 248-257	6	59
149	Establishment and Validation of an Amended Phosphorus Index: Refined Phosphorus Loss Assessment of an Agriculture Watershed in Northern China. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	5
148	Links between flood frequency and annual water balance behaviors: A basis for similarity and regionalization. *Water Resources Research*, **2014**, 50, 937-953	5.4	25
147	Identifying Explicit Formulation of Operating Rules for Multi-Reservoir Systems Using Genetic Programming. *Water Resources Management*, **2014**, 28, 1545-1565	3.7	44
146	An investigation of enhanced recessions in Poyang Lake: Comparison of Yangtze River and local catchment impacts. *Journal of Hydrology*, **2014**, 517, 425-434	6	225
145	Variation of reference evapotranspiration and its contributing climatic factors in the Poyang Lake catchment, China. *Hydrological Processes*, **2014**, 28, 6151-6162	3.3	42
144	Stationarity of annual flood peaks during 1951-2010 in the Pearl River basin, China. *Journal of Hydrology*, **2014**, 519, 3263-3274	6	32
143	Implementation and testing of routing algorithms in the distributed Hydrologiska Byråns Vattenbalansavdelning model for mountainous catchments **2014**, 45, 322-333		19
142	Spatiotemporal variations of precipitation regimes across Yangtze River Basin, China. *Theoretical and Applied Climatology*, **2014**, 115, 703-712	3	32
141	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	3	62
140	Validation of a new meteorological forcing data in analysis of spatial and temporal variability of precipitation in India. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 239-252	3.5	22
139	The comparison of sensitivity analysis of hydrological uncertainty estimates by GLUE and Bayesian method under the impact of precipitation errors. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 491-504	3.5	19
138	Uncertainty issues of a conceptual water balance model for a semi-arid watershed in north-west of China. *Hydrological Processes*, **2013**, 27, 304-312	3.3	4
137	Abrupt behaviours of streamflow and sediment load variations of the Yangtze River basin, China. *Hydrological Processes*, **2013**, 27, 444-452	3.3	22
136	Copula-based spatio-temporal patterns of precipitation extremes in China. *International Journal of Climatology*, **2013**, 33, 1140-1152	3.5	80
135	Flood frequency under changing climate in the upper Kafue River basin, southern Africa: a large scale hydrological model application. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 1883-1898	3.5	21

134	Urban water consumption in a rapidly developing flagship megacity of South China: prospective scenarios and implications. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 1359-1370	3.5	7
133	A new method for identification of flood seasons using directional statistics. *Hydrological Sciences Journal*, **2013**, 58, 28-40	3.5	30
132	Uncertainty Intercomparison of Different Hydrological Models in Simulating Extreme Flows. *Water Resources Management*, **2013**, 27, 1393-1409	3.7	55
131	Prediction of temperature and precipitation in Sudan and South Sudan by using LARS-WG in future. *Theoretical and Applied Climatology*, **2013**, 113, 363-375	3	41
130	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	6	98
129	Exploring the hydrological robustness of model-parameter values with alpha shapes. *Water Resources Research*, **2013**, 49, 6700-6715	5.4	17
128	Spatial and temporal variations in rainfall erosivity during 1960️2005 in the Yangtze River basin. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 337-351	3.5	49
127	Joint Operation and Dynamic Control of Flood Limiting Water Levels for Cascade Reservoirs. *Water Resources Management*, **2013**, 27, 749-763	3.7	55
126	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	6	286
125	Evapotranspiration estimation methods in hydrological models. *Journal of Chinese Geography*, **2013**, 23, 359-369	3.7	130
124	Changing spatiotemporal patterns of precipitation extremes in China during 2071️2100 based on Earth System Models. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 12,537-12,555	4.4	25
123	Large-scale hydrology: observations and modelling **2013**, 44, 747-747		
122	Development and comparison in uncertainty assessment based Bayesian modularization method in hydrological modeling. *Journal of Hydrology*, **2013**, 486, 384-394	6	14
121	The impacts of climate variability and human activities on streamflow in Bai River basin, northern China **2013**, 44, 875-885		33
120	Comparison of the global TRMM and WFD precipitation datasets in driving a large-scale hydrological model in southern Africa **2013**, 44, 770-788		75
119	Influence of ENSO on precipitation in the East River basin, south China. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 2207-2219	4.4	61
118	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	1.8	16
117	Evaluation of the FAO Penman️Montheith, Priestley️Taylor and Hargreaves models for estimating reference evapotranspiration in southern Malawi **2013**, 44, 706-722		31

No.	Reference	IF	Cit.
116	Modelling catchment inflows into Lake Victoria: regionalisation of the parameters of a conceptual water balance model **2013**, 44, 789-808		23
115	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	6	148
114	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	6	204
113	Temporal variability in stage-discharge relationships. *Journal of Hydrology*, **2012**, 446-447, 90-102	6	37
112	Abrupt changes in the discharge and sediment load of the Pearl River, China. *Hydrological Processes*, **2012**, 26, 1495-1508	3.3	25
111	Statistical downscaling of extreme daily precipitation, evaporation, and temperature and construction of future scenarios. *Hydrological Processes*, **2012**, 26, 3510-3523	3.3	60
110	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	3.5	54
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	3.5	25
108	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	4.2	62
107	Changing structure of the precipitation process during 1960-2005 in Xinjiang, China. *Theoretical and Applied Climatology*, **2012**, 110, 229-244	3	16
106	Variation analysis of precipitation during past 286 years in Beijing area, China, using non-parametric test and wavelet analysis. *Hydrological Processes*, **2012**, 27, n/a-n/a	3.3	7
105	DEM-based numerical modelling of runoff and soil erosion processes in the hilly-gully loess regions. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 581-597	3.5	15
104	Impacts of climate change on the Qingjiang Watershed's runoff change trend in China. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 847-858	3.5	34
103	Spatial and temporal characteristics of actual evapotranspiration over Haihe River basin in China. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 655-669	3.5	58
102	Understanding the Changing Characteristics of Droughts in Sudan and the Corresponding Components of the Hydrologic Cycle. *Journal of Hydrometeorology*, **2012**, 13, 1520-1535	3.7	16
101	Finding Multiple Optimal Solutions to Optimal Load Distribution Problem in Hydropower Plant. *Energies*, **2012**, 5, 1413-1432	3.1	31
100	Grid parameterization of a conceptual distributed hydrological model through integration of a sub-grid topographic index: necessity and practicability. *Hydrological Sciences Journal*, **2012**, 57, 282-297	3.5	7
99	The Climatic Characterization of Reference Evapotranspiration of Beijing Meteorological Station. *Lecture Notes in Electrical Engineering*, **2012**, 107-114	0.2	

98	Changes of climate extremes in a typical arid zone: Observations and multimodel ensemble projections. *Journal of Geophysical Research*, **2011**, 116,		45
97	Deriving multiple near-optimal solutions to deterministic reservoir operation problems. *Water Resources Research*, **2011**, 47,	5.4	58
96	Joint Operation of the Multi-Reservoir System of the Three Gorges and the Qingjiang Cascade Reservoirs. *Energies*, **2011**, 4, 1036-1050	3.1	61
95	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	6	33
94	Systematic evaluation of autoregressive error models as post-processors for a probabilistic streamflow forecast system. *Journal of Hydrology*, **2011**, 407, 58-72	6	18
93	Evaluating the non-stationary relationship between precipitation and streamflow in nine major basins of China during the past 50years. *Journal of Hydrology*, **2011**, 409, 81-93	6	94
92	Deriving Optimal Refill Rules for Multi-Purpose Reservoir Operation. *Water Resources Management*, **2011**, 25, 431-448	3.7	61
91	Derivation of Aggregation-Based Joint Operating Rule Curves for Cascade Hydropower Reservoirs. *Water Resources Management*, **2011**, 25, 3177-3200	3.7	101
90	Comparison of evapotranspiration variations between the Yellow River and Pearl River basin, China. *Stochastic Environmental Research and Risk Assessment*, **2011**, 25, 139-150	3.5	51
89	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	3.5	118
88	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	3.5	78
87	Reference evapotranspiration changes in China: natural processes or human influences?. *Theoretical and Applied Climatology*, **2011**, 103, 479-488	3	76
86	Evaluation of spatial and temporal characteristics of rainfall in Malawi: a case of data scarce region. *Theoretical and Applied Climatology*, **2011**, 106, 79-93	3	94
85	Statistical behaviours of precipitation regimes in China and their links with atmospheric circulation 1960-2005. *International Journal of Climatology*, **2011**, 31, 1665-1678	3.5	83
84	Modelling catchment inflows into Lake Victoria: uncertainties in rainfall-runoff modelling for the Nzoia River. *Hydrological Sciences Journal*, **2011**, 56, 1210-1226	3.5	17
83	Variability of water levels and impacts of streamflow changes and human activity within the Pearl River Delta, China. *Hydrological Sciences Journal*, **2010**, 55, 512-525	3.5	7
82	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	3.5	55
81	Flood season segmentation based on the probability change-point analysis technique. *Hydrological Sciences Journal*, **2010**, 55, 540-554	3.5	25

80	Multiscale streamflow variations of the Pearl River basin and possible implications for the water resource management within the Pearl River Delta, China. *Quaternary International*, **2010**, 226, 44-53	2	22
79	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	2.9	33
78	Spatial interpolation of daily precipitation in China: 1951-2005. *Advances in Atmospheric Sciences*, **2010**, 27, 1221-1232	2.9	80
77	Precipitation extremes in a karst region: a case study in the Guizhou province, southwest China. *Theoretical and Applied Climatology*, **2010**, 101, 53-65	3	36
76	Statistical properties of the temperature, relative humidity, and net solar radiation in the Blue Nile-eastern Sudan region. *Theoretical and Applied Climatology*, **2010**, 101, 397-409	3	11
75	Changes of atmospheric water vapor budget in the Pearl River basin and possible implications for hydrological cycle. *Theoretical and Applied Climatology*, **2010**, 102, 185-195	3	35
74	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	3.5	61
73	Wavelet-based characterization of water level behaviors in the Pearl River estuary, China. *Stochastic Environmental Research and Risk Assessment*, **2010**, 24, 81-92	3.5	17
72	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	3.5	61
71	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	3.5	51
70	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	3.5	139
69	Spatial and temporal variability of daily precipitation in Haihe River basin, 1958-2007. *Journal of Chinese Geography*, **2010**, 20, 248-260	3.7	37
68	Reply to comment on Development and testing of a new storm runoff routing approach based on time variant spatially distributed travel time method by Du et al. [Journal of Hydrology 369 (2009) 44-54]. *Journal of Hydrology*, **2010**, 381, 374-376	6	2
67	Regional frequency analysis and spatio-temporal pattern characterization of rainfall extremes in the Pearl River Basin, China. *Journal of Hydrology*, **2010**, 380, 386-405	6	198
66	Parameter and modeling uncertainty simulated by GLUE and a formal Bayesian method for a conceptual hydrological model. *Journal of Hydrology*, **2010**, 383, 147-155	6	227
65	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	6	129
64	Dynamic control of flood limited water level for reservoir operation by considering inflow uncertainty. *Journal of Hydrology*, **2010**, 391, 124-132	6	177
63	Simulating the integrated effects of topography and soil properties on runoff generation in hilly forested catchments, South China. *Hydrological Processes*, **2010**, 24, 714-725	3.3	12

62	Multifractal analysis of measure representation of flood/drought grade series in the Yangtze Delta, China, during the past millennium and their fractal model simulation. *International Journal of Climatology*, **2010**, 30, 450-457	3.5	12
61	Assessing the impact of human activities on hydrological and sediment changes (19532000) in nine major catchments of the Loess Plateau, China. *River Research and Applications*, **2010**, 26, 322-340	2.3	13
60	Optimal Operation of Cascade Hydropower Plants **2009**,		2
59	Design Flood Hydrograph Based on Multicharacteristic Synthesis Index Method. *Journal of Hydrologic Engineering - ASCE*, **2009**, 14, 1359-1364	1.8	50
58	Multiscale variability of sediment load and streamflow of the lower Yangtze River basin: Possible causes and implications. *Journal of Hydrology*, **2009**, 368, 96-104	6	69
57	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	6	50
56	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	6	38
55	Spatial assessment of hydrologic alteration across the Pearl River Delta, China, and possible underlying causes. *Hydrological Processes*, **2009**, 23, 1565-1574	3.3	45
54	Atmospheric moisture budget and floods in the Yangtze River basin, China. *Theoretical and Applied Climatology*, **2009**, 95, 331-340	3	20
53	Statistical downscaling of daily precipitation over Sweden using GCM output. *Theoretical and Applied Climatology*, **2009**, 96, 95-103	3	55
52	Temporal rainfall variability in the Lake Victoria Basin in East Africa during the twentieth century. *Theoretical and Applied Climatology*, **2009**, 98, 119-135	3	107
51	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	3	180
50	Changing properties of precipitation concentration in the Pearl River basin, China. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 377-385	3.5	155
49	Changes of temperature extremes for 19602004 in Far-West China. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 721-735	3.5	62
48	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	3.5	39
47	Scaling properties of the runoff variations in the arid and semi-arid regions of China: a case study of the Yellow River basin. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 1103-1111	3.5	12
46	Variability of Water Resource in the Yellow River Basin of Past 50 Years, China. *Water Resources Management*, **2009**, 23, 1157-1170	3.7	105
45	Extreme value analysis of annual maximum water levels in the Pearl River Delta, China. *Frontiers of Earth Science*, **2009**, 3, 154-163		6

44	Variability and stability of water resource in the arid regions of China: a case study of the Tarim River basin. *Frontiers of Earth Science*, **2009**, 3, 381-388		1
43	Change-point alterations of extreme water levels and underlying causes in the Pearl River Delta, China. *River Research and Applications*, **2009**, 25, 1153-1168	2.3	20
42	Multifractal analysis of streamflow records of the East River basin (Pearl River), China. *Physica A: Statistical Mechanics and Its Applications*, **2009**, 388, 927-934	3.3	52
41	Regionalization study of a conceptual hydrological model in Dongjiang basin, south China. *Quaternary International*, **2009**, 208, 129-137	2	43
40	Spatial and temporal variability of precipitation maxima during 1960–2005 in the Yangtze River basin and possible association with large-scale circulation. *Journal of Hydrology*, **2008**, 353, 215-227	6	271
39	Periodicity of sediment load and runoff in the Yangtze River basin and possible impacts of climatic changes and human activities / Périodicité de la charge sédimentaire et de l'écoulement dans le bassin du Fleuve Yangtze et impacts possibles des changements climatiques et des activités humaines. *Hydrological Sciences Journal*, **2008**, 53, 457-465	3.5	47
38	A spatial assessment of hydrologic alteration caused by dam construction in the middle and lower Yellow River, China. *Hydrological Processes*, **2008**, 22, 3829-3843	3.3	190
37	Multifractal detrended fluctuation analysis of streamflow series of the Yangtze River basin, China. *Hydrological Processes*, **2008**, 22, 4997-5003	3.3	62
36	Non-identical models for seasonal flood frequency analysis. *Hydrological Sciences Journal*, **2007**, 52, 974-991	3.3	20
35	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	6	264
34	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	6	50
33	Global water-balance modelling with WASMOD-M: Parameter estimation and regionalisation. *Journal of Hydrology*, **2007**, 340, 105-118	6	124
32	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	6	225
31	Trend of estimated actual evapotranspiration over China during 1960–2002. *Journal of Geophysical Research*, **2007**, 112,		164
30	A distributed monthly hydrological model for integrating spatial variations of basin topography and rainfall. *Hydrological Processes*, **2007**, 21, 242-252	3.3	37
29	A new baseflow separation method based on analytical solutions of the Horton infiltration capacity curve. *Hydrological Processes*, **2007**, 21, 1719-1736	3.3	27
28	Possible influence of ENSO on annual maximum streamflow of the Yangtze River, China. *Journal of Hydrology*, **2007**, 333, 265-274	6	231
27	Decreasing reference evapotranspiration in a warming climate—A case of Changjiang (Yangtze) River catchment during 1970–2000. *Advances in Atmospheric Sciences*, **2006**, 23, 513-520	2.9	53

26	Regional analysis of low flow using L-moments for Dongjiang basin, South China. *Hydrological Sciences Journal*, **2006**, 51, 1051-1064	3.5	57
25	Daily precipitation-downscaling techniques in three Chinese regions. *Water Resources Research*, **2006**, 42,	5.4	83
24	Evaluation of seasonal and spatial variations of lumped water balance model sensitivity to precipitation data errors. *Journal of Hydrology*, **2006**, 324, 80-93	6	37
23	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	6	251
22	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	6	425
21	Sensitivity of the Penman-Monteith reference evapotranspiration to key climatic variables in the Changjiang (Yangtze River) basin. *Journal of Hydrology*, **2006**, 329, 620-629	6	300
20	Sediment and runoff changes in the Yangtze River basin during past 50 years. *Journal of Hydrology*, **2006**, 331, 511-523	6	201
19	Deriving Reservoir Refill Operating Rules by Using the Proposed DPNS Model. *Water Resources Management*, **2006**, 20, 337-357	3.7	64
18	Statistical precipitation downscaling in central Sweden with the analogue method. *Journal of Hydrology*, **2005**, 306, 174-190	6	107
17	Assessing uncertainties in a conceptual water balance model using Bayesian methodology / Estimation bayšienne des incertitudes au sein d'une modŤisation conceptuelle de bilan hydrologique. *Hydrological Sciences Journal*, **2005**, 50,	3.5	82
16	Modelling hydrological consequences of climate change-Progress and challenges. *Advances in Atmospheric Sciences*, **2005**, 22, 789-797	2.9	160
15	A reservoir flood forecasting and control system for China / Un systŤme chinois de prŤvision et de contrŤe de crue en barrage. *Hydrological Sciences Journal*, **2004**, 49,	3.5	65
14	Estimation of Monthly River Discharge from Danish Catchments **2003**, 34, 295-320		12
13	Statistical Analysis of Parameters and Residuals of a Conceptual Water Balance Model – Methodology and Case Study. *Water Resources Management*, **2001**, 15, 75-92	3.7	59
12	Modelling the Effects of Climate Change on Water Resources in Central Sweden. *Water Resources Management*, **2000**, 14, 177-189	3.7	96
11	Climate Change and Hydrologic Models: A Review of Existing Gaps and Recent Research Developments. *Water Resources Management*, **1999**, 13, 369-382	3.7	179
10	Operational testing of a water balance model for predicting climate change impacts. *Agricultural and Forest Meteorology*, **1999**, 98-99, 295-304	5.8	47
9	From GCMs to river flow: a review of downscaling methods and hydrologic modelling approaches. *Progress in Physical Geography*, **1999**, 23, 229-249	3.5	306

LIST OF PUBLICATIONS

8	Application of Water Balance Models to Different Climatic Regions in China for Water Resources Assessment. *Water Resources Management*, **1997**, 11, 51-67	3.7	10
7	Methodology and comparative study of monthly water balance models in Belgium, China and Burma. *Journal of Hydrology*, **1992**, 134, 315-347	6	93
6	Regionalisation of physically-based water balance models in Belgium. Application to ungauged catchments. *Water Resources Management*, **1991**, 5, 199-208	3.7	30
5	Nanoindentation Mapping and Bond Strength Study of Adhesive-Dentin Interfaces. *Advanced Materials Interfaces*, 2101327	4.6	0
4	Understanding the impacts induced by cut-off thresholds and likelihood measures on confidence interval when applying GLUE approach. *Stochastic Environmental Research and Risk Assessment*, 1	3.5	
3	From GCMs to river flow: a review of downscaling methods and hydrologic modelling approaches		35
2	Joint editorial: Invigorating hydrological research through journal publications. *Proceedings of the International Association of Hydrological Sciences*, 380, 3-8		
1	A framework for determining lowest navigable water levels with nonstationary characteristics. *Stochastic Environmental Research and Risk Assessment*, 1	3.5	