Xia Jun

List of Publications by Year
in descending order

127 papers	4,165 citations	136950 32 h-index	133252 59 g-index
131 all docs	131 docs citations	131 times ranked	4101 citing authors

#	ARTICLE	IF	CITATIONS
1	A novel transformation pathway of p-arsanilic acid in water by colloid ferric hydroxide under UVA light. Environmental Science and Pollution Research, 2022, 29, 5043-5051.	5.3	1
2	Efficiency and driving force assessment of an integrated urban water use and wastewater treatment system: Evidence from spatial panel data of the urban agglomeration on the middle reaches of the Yangtze River. Science of the Total Environment, 2022, 805, 150232.	8.0	12
3	Spatial-temporal collaborative relation among ecological footprint depth/size and economic development in Chengyu urban agglomeration. Science of the Total Environment, 2022, 812, 151510.	8.0	14
4	Bias correction framework for satellite precipitation products using a rain/no rain discriminative model. Science of the Total Environment, 2022, 818, 151679.	8.0	11
5	Risk assessment of water resource shortages in the Aksu River basin of northwest China under climate change. Journal of Environmental Management, 2022, 305, 114394.	7.8	19
6	Dominant change pattern of extreme precipitation and its potential causes in Shandong Province, China. Scientific Reports, 2022, 12, 858.	3.3	6
7	Effects of climate change on major elements of the hydrological cycle in Aksu River basin, northwest China. International Journal of Climatology, 2022, 42, 5359-5372.	3.5	5
8	Adaptive pressure-driven multi-criteria spatial decision-making for a targeted placement of green and grey runoff control infrastructures. Water Research, 2022, 212, 118126.	11.3	20
9	Coupling analysis of surface runoff variation with atmospheric teleconnection indices in the middle reaches of the Yangtze River. Theoretical and Applied Climatology, 2022, 148, 1513-1527.	2.8	3
10	Impacts of Global Climate Warming on Meteorological and Hydrological Droughts and Their Propagations. Earth's Future, 2022, 10, .	6.3	39
11	BA_EnCaps: Dense Capsule Architecture for Thermal Scrutiny. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	5
12	Land use/land cover prediction and analysis of the middle reaches of the Yangtze River under different scenarios. Science of the Total Environment, 2022, 833, 155238.	8.0	63
13	Not vegetation itself but mis-revegetation reduces water resources. Science China Earth Sciences, 2021, 64, 404-411.	5.2	23
14	Parameter regionalization of the FLEX-Global hydrological model. Science China Earth Sciences, 2021, 64, 571-588.	5.2	1
15	A new framework for the identification of flash drought: Multivariable and probabilistic statistic perspectives. International Journal of Climatology, 2021, 41, 5862-5878.	3.5	17
16	A Multi-Index Evaluation System for Identifying the Optimal Configuration of LID Facilities in the Newly Built and Built-up Urban Areas. Water Resources Management, 2021, 35, 2129-2147.	3.9	9
17	Optimal control of nonpoint source pollution in the Bahe River Basin, Northwest China, based on the SWAT model. Environmental Science and Pollution Research, 2021, 28, 55330-55343.	5.3	12
18	Hydrological cycle and water resources in a changing world: A review. Geography and Sustainability, 2021, 2, 115-122.	4.3	81

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19	Risk assessment of non-point source pollution based on landscape pattern in the Hanjiang River basin, China. Environmental Science and Pollution Research, 2021, 28, 64322-64336.	5.3	13
20	Determining the Regional Carrying Capacity of the Wuhan City Circle Based on the Improved Ecological Footprint Method. Journal of the American Water Resources Association, 2021, 57, 585-601.	2.4	3
21	Introduction to the Featured Collection: Water Security — New Technologies, Strategies, Policies, and Institutions. Journal of the American Water Resources Association, 2021, 57, 527-529.	2.4	0
22	An Analytical Baseflow Coefficient Curve for Depicting the Spatial Variability of Mean Annual Catchment Baseflow. Water Resources Research, 2021, 57, e2020WR029529.	4.2	13
23	A review of the ecohydrology discipline: Progress, challenges, and future directions in China. Journal of Chinese Geography, 2021, 31, 1085-1101.	3.9	11
24	Response of Hydrodynamics and Water-quality Conditions to Climate Change in a Shallow Lake. Water Resources Management, 2021, 35, 4961-4976.	3.9	2
25	A new era of flood control strategies from the perspective of managing the 2020 Yangtze River flood. Science China Earth Sciences, 2021, 64, 1-9.	5.2	61
26	Research and Analysis of Ecological Environment Quality in the Middle Reaches of the Yangtze River Basin between 2000 and 2019. Remote Sensing, 2021, 13, 4475.	4.0	23
27	Effect of Three Gorges Dam on Poyang Lake water level at daily scale based on machine learning. Journal of Chinese Geography, 2021, 31, 1598-1614.	3.9	19
28	Can Remotely Sensed Actual Evapotranspiration Facilitate Hydrological Prediction in Ungauged Regions Without Runoff Calibration?. Water Resources Research, 2020, 56, e2019WR026236.	4.2	55
29	Multi-Scenario Integration Comparison of CMADS and TMPA Datasets for Hydro-Climatic Simulation over Ganjiang River Basin, China. Water (Switzerland), 2020, 12, 3243.	2.7	7
30	Nonstationary Frequency Analysis of Censored Data: A Case Study of the Floods in the Yangtze River From 1470 to 2017. Water Resources Research, 2020, 56, e2020WR027112.	4.2	24
31	Using Remote Sensing Data‐Based Hydrological Model Calibrations for Predicting Runoff in Ungauged or Poorly Gauged Catchments. Water Resources Research, 2020, 56, e2020WR028205.	4.2	45
32	Evaluation of baseflow modelling structure in monthly water balance models using 443 Australian catchments. Journal of Hydrology, 2020, 591, 125572.	5.4	16
33	Improved dynamic simulation technique for hydrodynamics and water quality of river-connected lakes. Water Science and Technology: Water Supply, 2020, 20, 3752-3767.	2.1	2
34	Analysis and Control of the Physicochemical Quality of Groundwater in the Chari Baguirmi Region in Chad. Water (Switzerland), 2020, 12, 2826.	2.7	4
35	Quantifying the Impacts of Climate Change and Vegetation Variation on Actual Evapotranspiration Based on the Budyko Hypothesis in North and South Panjiang Basin, China. Water (Switzerland), 2020, 12, 508.	2.7	10
36	Quantifying Water Scarcity in Northern China Within the Context of Climatic and Societal Changes and South‐to‐North Water Diversion. Earth's Future, 2020, 8, e2020EF001492.	6.3	30

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37	Reply to Zhang et al.: Using long-term all-available Landsat data to study water bodies over large areas represents a paradigm shift. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6310-6311.	7.1	1
38	The Effect of Sponge City Construction for Reducing Directly Connected Impervious Areas on Hydrological Responses at the Urban Catchment Scale. Water (Switzerland), 2020, 12, 1163.	2.7	20
39	Incorporating fish habitat requirements of the complete life cycle into ecological flow regime estimation of rivers. Ecohydrology, 2020, 13, e2204.	2.4	14
40	Investigation on flood event variations at space and time scales in the Huaihe River Basin of China using flood behavior classification. Journal of Chinese Geography, 2020, 30, 2053-2075.	3.9	12
41	Drought Monitoring in Sub-Sahara Africa. , 2020, , .		0
42	Change of Impervious Surface of Chengdu City, China. , 2020, , .		1
43	Land Use and Land Cover Change of Ghana. , 2020, , .		0
44	Evaluation of Six Satellite-Based Precipitation Products and Their Ability for Capturing Characteristics of Extreme Precipitation Events over a Climate Transition Area in China. Remote Sensing, 2019, 11, 1477.	4.0	34
45	How is the risk of hydrological drought in the Tarim River Basin, Northwest China?. Science of the Total Environment, 2019, 693, 133555.	8.0	37
46	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.	4.0	12
47	Assessing Risks from Groundwater Exploitation and Utilization: Case Study of the Shanghai Megacity, China. Water (Switzerland), 2019, 11, 1775.	2.7	7
48	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. Science China Earth Sciences, 2019, 62, 1665-1701.	5.2	58
49	The contribution of internal climate variability to climate change impacts on droughts. Science of the Total Environment, 2019, 684, 229-246.	8.0	51
50	A Censored Shifted Mixture Distribution Mapping Method to Correct the Bias of Daily IMERG Satellite Precipitation Estimates. Remote Sensing, 2019, 11, 1345.	4.0	14
51	Estimating ecological flows for fish overwintering in plain rivers using a method based on water temperature and critical water depth. Ecohydrology, 2019, 12, e2098.	2.4	8
52	Developing a comprehensive evaluation method for Interconnected River System Network assessment: A case study in Tangxun Lake group. Journal of Chinese Geography, 2019, 29, 389-405.	3.9	15
53	Parameter Uncertainty of a Snowmelt Runoff Model and Its Impact on Future Projections of Snowmelt Runoff in a Data-Scarce Deglaciating River Basin. Water (Switzerland), 2019, 11, 2417.	2.7	11
54	Inland water bodies in China: Features discovered in the long-term satellite data. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25491-25496.	7.1	50

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55	Urban Functional Regions Discovering Based on Deep Learning. , 2019, , .		1
56	Land Price Assesment Based on Deep Neural Network. , 2019, , .		0
57	Regional Patterns of Extreme Precipitation and Urban Signatures in Metropolitan Areas. Journal of Geophysical Research D: Atmospheres, 2019, 124, 641-663.	3.3	33
58	Spatiotemporal variation and statistical characteristic of extreme precipitation in the middle reaches of the Yellow River Basin during 1960â€"2013. Theoretical and Applied Climatology, 2019, 135, 391-408.	2.8	24
59	Reconstruction of terrestrial water storage anomalies in Northwest China during 1948â€"2002 using GRACE and GLDAS products. Hydrology Research, 2018, 49, 1594-1607.	2.7	31
60	Comprehensive assessment of drought risk in the arid region of Northwest China based on the global palmer drought severity index gridded data. Science of the Total Environment, 2018, 627, 951-962.	8.0	59
61	Analysis of Impacts of Climate Change and Human Activities on Hydrological Drought: a Case Study in the Wei River Basin, China. Water Resources Management, 2018, 32, 1421-1438.	3.9	55
62	The hydrogen and oxygen isotopic compositions of precipitation in a forested watershed of the South Qinling Mts., China. Environmental Science and Pollution Research, 2018, 25, 6720-6728.	5.3	10
63	Hydrologic and water quality performance of a laboratory scale bioretention unit. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	23
64	Evaluation de lâ€™influence du changement climatique et du dÃ©tournement dâ€™eau entre bassins Sur le bassin versant de la riviÃ¨re Haihe dans lâ€™Est de la Chine: une approche de modÃ©lisation couplÃ©e. Hydrogeology Journal, 2018, 26, 1455-1473.	2.1	18
65	Effect of projected climate change on the hydrological regime of the Yangtze River Basin, China. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1-16.	4.0	45
66	Discrete wavelet transform-based investigation into the variability of standardized precipitation index in Northwest China during 1960â€"2014. Theoretical and Applied Climatology, 2018, 132, 167-180.	2.8	18
67	Analysis of the spatiotemporal changes in terrestrial water storage anomaly and impacting factors over the typical mountains in China. International Journal of Remote Sensing, 2018, 39, 505-524.	2.9	13
68	Estimation of water consumption for ecosystems based on Vegetation Interfaces Processes Model: A case study of the Aksu River Basin, Northwest China. Science of the Total Environment, 2018, 613-614, 186-195.	8.0	21
69	Phototransformation of p-arsanilic acid in aqueous media containing nitrogen species. Chemosphere, 2018, 212, 777-783.	8.2	9
70	Identification of Hydrological Drought in Eastern China Using a Time-Dependent Drought Index. Water (Switzerland), 2018, 10, 315.	2.7	6
71	Characteristics of dry-wet abrupt alternation events in the middle and lower reaches of the Yangtze River Basin and the relationship with ENSO. Journal of Chinese Geography, 2018, 28, 1039-1058.	3.9	49
72	Copulas-Based Drought Characteristics Analysis and Risk Assessment across the Loess Plateau of China. Water Resources Management, 2018, 32, 547-564.	3.9	47

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73	Vulnerability of and risk to water resources in arid and semi-arid regions of West China under a scenario of climate change. Climatic Change, 2017, 144, 549-563.	3.6	58
74	Multi-object approach and its application to adaptive water management under climate change. Journal of Chinese Geography, 2017, 27, 259-274.	3.9	14
75	Opportunities and challenges of the Sponge City construction related to urban water issues in China. Science China Earth Sciences, 2017, 60, 652-658.	5.2	295
76	A process–based insight into nonstationarity of the probability distribution of annual runoff. Water Resources Research, 2017, 53, 4214-4235.	4.2	21
77	Monitoring the spatio-temporal changes of terrestrial water storage using GRACE data in the Tarim River basin between 2002 and 2015. Science of the Total Environment, 2017, 595, 218-228.	8.0	81
78	Influence of disaster risk, exposure and water quality on vulnerability of surface water resources under a changing climate in the Haihe River basin. Water International, 2017, 42, 462-485.	1.0	9
79	Combined risk assessment of nonstationary monthly water quality based on Markov chain and time-varying copula. Water Science and Technology, 2017, 75, 693-704.	2.5	5
80	Using raw regional climate model outputs for quantifying climate change impacts on hydrology. Hydrological Processes, 2017, 31, 4398-4413.	2.6	16
81	Changes in reference evapotranspiration and its driving factors in the middle reaches of Yellow River Basin, China. Science of the Total Environment, 2017, 607-608, 1151-1162.	8.0	62
82	Advanced investigation on the change in the streamflow into the water source of the middle route of China's water diversion project. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6950-6961.	3.3	17
83	Using stable hydrogen and oxygen isotopes to study water movement in soil-plant-atmosphere continuum at Poyang Lake wetland, China. Wetlands Ecology and Management, 2017, 25, 221-234.	1.5	26
84	Drought Characteristic Analysis Based on an Improved PDSI in the Wei River Basin of China. Water (Switzerland), 2017, 9, 178.	2.7	21
85	Study on the Variation of Terrestrial Water Storage and the Identification of Its Relationship with Hydrological Cycle Factors in the Tarim River Basin, China. Advances in Meteorology, 2017, 2017, 1-11.	1.6	3
86	Opportunities and challenges of the Sponge City construction related to urban water issues in China. , 2017, 60, 652.		1
87	Using the RESC Model and Diversity Indexes to Assess the Cross-Scale Water Resource Vulnerability and Spatial Heterogeneity in the Huai River Basin, China. Water (Switzerland), 2016, 8, 431.	2.7	11
88	Trend analysis of land surface temperatures using time series segmentation algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1121-1131.	1.4	4
89	Wet and dry spell analysis using copulas. International Journal of Climatology, 2016, 36, 476-491.	3.5	31
90	A hydrological model modified for application to flood forecasting in medium and small-scale catchments. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	7

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91	Characterizing and explaining spatio-temporal variation of water quality in a highly disturbed river by multi-statistical techniques. SpringerPlus, 2016, 5, 1171.	1.2	28
92	Influences of anthropogenic activities and topography on water quality in the highly regulated Huai River basin, China. Environmental Science and Pollution Research, 2016, 23, 21460-21474.	5.3	36
93	Runoff of arid and semi-arid regions simulated and projected by CLM-DTVGM and its multi-scale fluctuations as revealed by EEMD analysis. Journal of Arid Land, 2016, 8, 506-520.	2.3	11
94	Spatial and temporal characteristics of rainfall across Ganjiang River Basin in China. Meteorology and Atmospheric Physics, 2016, 128, 167-179.	2.0	14
95	Changes of rainfall and its possible reasons in the Nansi Lake Basin, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1099-1113.	4.0	8
96	Drought monitoring and warning in the middle reach of Yangtze River with MODIS. , 2015, , .		0
97	Sensitivity and Interaction Analysis Based on Sobol'™ Method and Its Application in a Distributed Flood Forecasting Model. Water (Switzerland), 2015, 7, 2924-2951.	2.7	22
98	Modeling water requirements of major crops and their responses to climate change in the North China Plain. Environmental Earth Sciences, 2015, 74, 3531-3541.	2.7	28
99	The application of ant colony algorithm in emergency rescue with GIS. , 2015, , .		0
100	Investigating the variation and non-stationarity in precipitation extremes based on the concept of event-based extreme precipitation. Journal of Hydrology, 2015, 530, 785-798.	5.4	45
101	Implications of Modelled Climate and Land Cover Changes on Runoff in the Middle Route of the South to North Water Transfer Project in China. Water Resources Management, 2015, 29, 2563-2579.	3.9	74
102	CAUSAL ANALYSIS ON THE SPECIFIED PAROXYSMAL WATER POLLUTION INCIDENTS IN THE HUAI RIVER BASIN, CHINA. Environmental Engineering and Management Journal, 2015, 14, 139-151.	0.6	8
103	Regional frequency analysis of extreme precipitation and its spatio-temporal characteristics in the Huai River Basin, China. Natural Hazards, 2014, 70, 195-215.	3.4	45
104	Separating the effects of climate change and human activities on runoff over different time scales in the Zhang River basin. Stochastic Environmental Research and Risk Assessment, 2014, 28, 401-413.	4.0	52
105	Quantifying the effects of climate change and human activities on runoff in the water source area of Beijing, China. Hydrological Sciences Journal, 2014, 59, 1794-1807.	2.6	22
106	Water quality variation in the highly disturbed Huai River Basin, China from 1994 to 2005 by multi-statistical analyses. Science of the Total Environment, 2014, 496, 594-606.	8.0	97
107	Non‐point source pollution modelling using Soil and Water Assessment Tool and its parameter sensitivity analysis in Xin'anjiang catchment, China. Hydrological Processes, 2014, 28, 1627-1640.	2.6	59
108	Regional extreme‐dry‐spell frequency analysis using the L‐moments method in the middle reaches of the Yellow River Basin, China. Hydrological Processes, 2014, 28, 4694-4707.	2.6	16

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109	Variations and statistical probability characteristic analysis of extreme precipitation events under climate change in Haihe River Basin, China. Hydrological Processes, 2014, 28, 913-925.	2.6	53
110	Evaluation of groundwater depletion in North China using the Gravity Recovery and Climate Experiment (GRACE) data and ground‐based measurements. Water Resources Research, 2013, 49, 2110-2118.	4.2	598
111	Comparison of the streamflow sensitivity to aridity index between the Danjiangkou Reservoir basin and Miyun Reservoir basin, China. Theoretical and Applied Climatology, 2013, 111, 683-691.	2.8	25
112	Experimental and Simulation Studies on the Impact of Sluice Regulation on Water Quantity and Quality Processes. Journal of Hydrologic Engineering - ASCE, 2012, 17, 467-477.	1.9	12
113	An Integrated Management Approach for Water Quality and Quantity: Case Studies in North China. International Journal of Water Resources Development, 2012, 28, 299-312.	2.0	8
114	Impacts of climate change on water resources in the Luan River basin in North China. Water International, 2012, 37, 552-563.	1.0	7
115	Climate change impacts on hydrological processes in the water source area of the Middle Route of the South-to-North Water Diversion Project. Water International, 2012, 37, 564-584.	1.0	7
116	Dramatic decrease in streamflow from the headwater source in the central route of China's water diversion project: Climatic variation or human influence?. Journal of Geophysical Research, 2012, 117, .	3.3	49
117	Water resources vulnerability and adaptive management in the Huang, Huai and Hai river basins of China. Water International, 2012, 37, 523-536.	1.0	85
118	Changes of flow regimes and precipitation in Huai River Basin in the last half century. Hydrological Processes, 2011, 25, 246-257.	2.6	33
119	Quantification of effects of climate variations and human activities on runoff by a monthly water balance model: A case study of the Chaobai River basin in northern China. Water Resources Research, 2009, 45, .	4.2	242
120	Research on Runoff Sub-model of Non-point Source Pollution Model. Water International, 2007, 32, 428-438.	1.0	3
121	Groundwater Usage in Arid West China. Water International, 2005, 30, 468-476.	1.0	3
122	Water crises and hydrology in North China. Hydrological Processes, 2004, 18, 2195-2196.	2.6	1
123	Water problems and hydrological research in the Yellow River and the Huai and Hai River basins of China. Hydrological Processes, 2004, 18, 2197-2210.	2.6	207
124	Pre-processing rainfall data from multiple gauges to improve TOPMODEL simulation results in a large semi-arid region. Hydrological Processes, 2004, 18, 2313-2325.	2.6	6
125	The renewability of water resources and its quantification in the Yellow River basin, China. Hydrological Processes, 2004, 18, 2327-2336.	2.6	22
126	Panta Rhei 2013â€"2015: global perspectives on hydrology, society and change. Hydrological Sciences Journal, 0, , 1-18.	2.6	53

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127	Occurrence of Drought Events at the Land–Atmosphere Interface in Central Asia Assessed via Advanced Microwave Scanning Radiometer Data. International Journal of Climatology, 0, , .	3.5	0