

# Xin Wen

## List of Publications by Year in descending order

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29  
papers

896  
citations

471509

17  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	An adaptive middle and long-term runoff forecast model using EEMD-ANN hybrid approach. <i>Journal of Hydrology</i> , 2018, 567, 767-780.	5.4	169
2	Optimizing the sizes of wind and photovoltaic power plants integrated into a hydropower station based on power output complementarity. <i>Energy Conversion and Management</i> , 2020, 206, 112465.	9.2	78
3	Future changes in Yuan River ecohydrology: Individual and cumulative impacts of climates change and cascade hydropower development on runoff and aquatic habitat quality. <i>Science of the Total Environment</i> , 2018, 633, 1403-1417.	8.0	71
4	Evaluation of the risk and benefit of the complementary operation of the large wind-photovoltaic-hydropower system considering forecast uncertainty. <i>Applied Energy</i> , 2021, 285, 116442.	10.1	55
5	Stochastic optimal operation of reservoirs based on copula functions. <i>Journal of Hydrology</i> , 2018, 557, 265-275.	5.4	46
6	Effects of damming and climatic change on the eco-hydrological system: A case study in the Yalong River, southwest China. <i>Ecological Indicators</i> , 2019, 105, 663-674.	6.3	39
7	A forecast-driven decision-making model for long-term operation of a hydro-wind-photovoltaic hybrid system. <i>Applied Energy</i> , 2021, 291, 116820.	10.1	39
8	Changes of temperature and precipitation extremes in China: past and future. <i>Theoretical and Applied Climatology</i> , 2016, 126, 369-383.	2.8	38
9	Integrated study on soil erosion using RUSLE and GIS in Yangtze River Basin of Jiangsu Province (China). <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	34
10	Mesenchymal stem cells alleviate rat diabetic nephropathy by suppressing CD103 <sup>+</sup> DCs-mediated CD8 <sup>+</sup> T cell responses. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5817-5831.	3.6	34
11	Optimizing the sizes of wind and photovoltaic plants complementarily operating with cascade hydropower stations: Balancing risk and benefit. <i>Applied Energy</i> , 2022, 306, 117968.	10.1	31
12	Potential assessment of large-scale hydro-photovoltaic-wind hybrid systems on a global scale. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 146, 111154.	16.4	29
13	Multi-Objective Differential Evolution-Chaos Shuffled Frog Leaping Algorithm for Water Resources System Optimization. <i>Water Resources Management</i> , 2018, 32, 3835-3852.	3.9	28
14	Deep forest based intelligent fault diagnosis of hydraulic turbine. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 2049-2058.	1.5	28
15	Long-term optimal operation of cascade hydropower stations based on the utility function of the carryover potential energy. <i>Journal of Hydrology</i> , 2020, 580, 124359.	5.4	28
16	A novel operation chart for cascade hydropower system to alleviate ecological degradation in hydrological extremes. <i>Ecological Modelling</i> , 2018, 384, 10-22.	2.5	27
17	Adapting the operation of cascaded reservoirs on Yuan River for fish habitat conservation. <i>Ecological Modelling</i> , 2016, 337, 221-230.	2.5	19
18	Hydrological responses and adaptive potential of cascaded reservoirs under climate change in Yuan River Basin. <i>Hydrology Research</i> , 2019, 50, 358-378.	2.7	17

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19	Two-stage stochastic optimal operation model for hydropower station based on the approximate utility function of the carryover stage. <i>Energy</i> , 2019, 183, 670-682.	8.8	16
20	Effects of different statistical distribution and threshold criteria in extreme precipitation modelling over global land areas. <i>International Journal of Climatology</i> , 2020, 40, 1838-1850.	3.5	13
21	Bayesian Stochastic Dynamic Programming for Hydropower Generation Operation Based on Copula Functions. <i>Water Resources Management</i> , 2020, 34, 1589-1607.	3.9	13
22	Cascaded Hydropower Operation Chart Optimization Balancing Overall Ecological Benefits and Ecological Conservation in Hydrological Extremes Under Climate Change. <i>Water Resources Management</i> , 2020, 34, 1231-1246.	3.9	12
23	Discharge Fee Policy Analysis: A Computable General Equilibrium (CGE) Model of Water Resources and Water Environments. <i>Water (Switzerland)</i> , 2016, 8, 413.	2.7	11
24	Spatiotemporal Variability of Drought and Its Multi-Scale Linkages with Climate Indices in the Huaihe River Basin, Central China and East China. <i>Atmosphere</i> , 2021, 12, 1446.	2.3	8
25	Attribution Assessment and Prediction of Runoff Change in the Han River Basin, China. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2393.	2.6	5
26	A novel deep learning diagnosis scheme for rotating machinery using adaptive local iterative filtering and ensemble hierarchical extreme learning machine. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401882481.	1.6	3
27	Spatiotemporal Variability in Future Extreme Temperatures and Rainfall in the Yangtze River Basin: Update Using Bias-Corrected Climate Projections Fitted by Stationary and Nonstationary Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05019026.	1.9	2
28	Copula-based modeling of hydraulic structures using a nonlinear reservoir model. <i>Hydrology Research</i> , 0, , .	2.7	2
29	Adaptive flood control operation of the Xin'an Reservoir in future precipitation extremes under climate change. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	1