

Hui Qin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,343
citations

22
h-index

34
g-index

73
ext. papers

1,757
ext. citations

5
avg, IF

5.11
L-index

#	Paper	IF	Citations
70	Directed graph deep neural network for multi-step daily streamflow forecasting. <i>Journal of Hydrology</i> , 2022 , 607, 127515	6	3
69	Assessing Variations in Water Use Efficiency and Linkages with Land-Use Changes Using Three Different Data Sources: A Case Study of the Yellow River, China. <i>Remote Sensing</i> , 2022 , 14, 1065	5	0
68	Runoff Probability Prediction Model Based on Natural Gradient Boosting with Tree-Structured Parzen Estimator Optimization. <i>Water (Switzerland)</i> , 2022 , 14, 545	3	1
67	Short-term runoff prediction using deep learning multi-dimensional ensemble method. <i>Journal of Hydrology</i> , 2022 , 609, 127762	6	4
66	Dynamic programming with successive approximation and relaxation strategy for long-term joint power generation scheduling of large-scale hydropower station group. <i>Energy</i> , 2021 , 222, 119960	7.9	8
65	Operation rule extraction based on deep learning model with attention mechanism for wind-solar-hydro hybrid system under multiple uncertainties. <i>Renewable Energy</i> , 2021 , 170, 92-106	8.1	8
64	Solar Radiation Intensity Probabilistic Forecasting Based on K-Means Time Series Clustering and Gaussian Process Regression. <i>IEEE Access</i> , 2021 , 9, 89079-89092	3.5	2
63	A Procedure for Combining Improved Correlated Sampling Methods and a Resampling Strategy to Generate a Multi-Site Conditioned Streamflow Process. <i>Water Resources Management</i> , 2021 , 35, 1011-1027	3.7	3
62	Hydrological probabilistic forecasting based on deep learning and Bayesian optimization algorithm 2021 , 52, 927-943		0
61	Downstream Water Level Prediction of Reservoir based on Convolutional Neural Network and Long Short-Term Memory Network. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021060	2.8	2
60	Probabilistic spatiotemporal solar irradiation forecasting using deep ensembles convolutional shared weight long short-term memory network. <i>Applied Energy</i> , 2021 , 300, 117379	10.7	2
59	Consider the Risk Constraints of Hydro-Thermal Power Generation in Real-Time Strategy of Control. <i>IEEE Access</i> , 2021 , 1-1	3.5	
58	Region search evolutionary algorithm with constraint handling for multi-objective short-term wind-solar-hydro-thermal scheduling. <i>E3S Web of Conferences</i> , 2021 , 233, 01018	0.5	1
57	Fast Comprehensive Flood Risk Assessment Based on Game Theory and Cloud Model Under Parallel Computation (P-GT-CM). <i>Water Resources Management</i> , 2020 , 34, 1625-1648	3.7	3
56	Monthly Operation Optimization of Cascade Hydropower Reservoirs with Dynamic Programming and Latin Hypercube Sampling for Dimensionality Reduction. <i>Water Resources Management</i> , 2020 , 34, 2029-2041	3.7	14
55	Comparison of support vector regression and extreme gradient boosting for decomposition-based data-driven 10-day streamflow forecasting. <i>Journal of Hydrology</i> , 2020 , 582, 124293	6	32
54	Multi-objective optimal water supply scheduling model for an inter-basin water transfer system: the South-to-North Water Diversion Middle Route Project, China. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 550-564	1.4	1

53	Short-term optimal operation of wind-solar-hydro hybrid system considering uncertainties. <i>Energy Conversion and Management</i> , 2020 , 205, 112405	10.6	22
52	Probabilistic spatiotemporal wind speed forecasting based on a variational Bayesian deep learning model. <i>Applied Energy</i> , 2020 , 260, 114259	10.7	58
51	Improved Multi-objective Moth-flame Optimization Algorithm based on R-domination for cascade reservoirs operation. <i>Journal of Hydrology</i> , 2020 , 581, 124431	6	16
50	Variational Bayesian Neural Network for Ensemble Flood Forecasting. <i>Water (Switzerland)</i> , 2020 , 12, 2740	3	3
49	Multi-Step Ahead Short-Term Load Forecasting Using Hybrid Feature Selection and Improved Long Short-Term Memory Network. <i>Energies</i> , 2020 , 13, 4121	3.1	9
48	. <i>IEEE Access</i> , 2019 , 7, 158170-158182	3.5	11
47	Optimization for Hydro-Photovoltaic-Wind Power Generation System Based on Modified Version of Multi-Objective Whale Optimization Algorithm. <i>Energy Procedia</i> , 2019 , 158, 6208-6216	2.3	15
46	Interval prediction method based on Long-Short Term Memory networks for system integrated of hydro, wind and solar power. <i>Energy Procedia</i> , 2019 , 158, 6176-6182	2.3	10
45	Deriving reservoir operation rule based on Bayesian deep learning method considering multiple uncertainties. <i>Journal of Hydrology</i> , 2019 , 579, 124207	6	30
44	Wind speed prediction method based on Empirical Wavelet Transform and New Cell Update Long Short-Term Memory network. <i>Energy Conversion and Management</i> , 2019 , 196, 779-792	10.6	34
43	Risk Assessment and Decision-Making Based on Mean-CVaR-Entropy for Flood Control Operation of Large Scale Reservoirs. <i>Water (Switzerland)</i> , 2019 , 11, 649	3	7
42	Wind speed prediction method using Shared Weight Long Short-Term Memory Network and Gaussian Process Regression. <i>Applied Energy</i> , 2019 , 247, 270-284	10.7	94
41	Long Short-Term Memory Network based on Neighborhood Gates for processing complex causality in wind speed prediction. <i>Energy Conversion and Management</i> , 2019 , 192, 37-51	10.6	49
40	A region search evolutionary algorithm for many-objective optimization. <i>Information Sciences</i> , 2019 , 488, 19-40	7.7	24
39	Middle and Long-Term Runoff Probabilistic Forecasting Based on Gaussian Mixture Regression. <i>Water Resources Management</i> , 2019 , 33, 1785-1799	3.7	11
38	Long-term joint scheduling of hydropower station group in the upper reaches of the Yangtze River using partition parameter adaptation differential evolution. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 81, 1-13	7.2	18
37	Ensemble spatiotemporal forecasting of solar irradiation using variational Bayesian convolutional gate recurrent unit network. <i>Applied Energy</i> , 2019 , 253, 113596	10.7	41
36	Multiobjective Reservoir Operation Optimization Using Improved Multiobjective Dynamic Programming Based on Reference Lines. <i>IEEE Access</i> , 2019 , 7, 103473-103484	3.5	14

35	Wind speed forecasting based on Quantile Regression Minimal Gated Memory Network and Kernel Density Estimation. <i>Energy Conversion and Management</i> , 2019 , 196, 1395-1409	10.6	41
34	Study on guaranteed output constraints in the long term joint optimal scheduling for the hydropower station group. <i>Energy</i> , 2019 , 185, 1210-1224	7.9	10
33	Flood Classification Based on a Fuzzy Clustering Iteration Model with Combined Weight and an Immune Grey Wolf Optimizer Algorithm. <i>Water (Switzerland)</i> , 2019 , 11, 80	3	8
32	Short-Term Multi-Objective Optimal Operation of Reservoirs to Maximize the Benefits of Hydropower and Navigation. <i>Water (Switzerland)</i> , 2019 , 11, 1272	3	2
31	Analysis of an Ecological Flow Regime during the Ctenopharyngodon Idella Spawning Period Based on Reservoir Operations. <i>Water (Switzerland)</i> , 2019 , 11, 2034	3	2
30	Causal Inference of Optimal Control Water Level and Inflow in Reservoir Optimal Operation Using Fuzzy Cognitive Map. <i>Water (Switzerland)</i> , 2019 , 11, 2147	3	4
29	Identifying Efficient Operating Rules for Hydropower Reservoirs Using System Dynamics Approach—A Case Study of Three Gorges Reservoir, China. <i>Water (Switzerland)</i> , 2019 , 11, 2448	3	8
28	Operation Rules Optimization of Cascade Reservoirs Based on Multi-Objective Tangent Algorithm. <i>IEEE Access</i> , 2019 , 7, 161949-161962	3.5	2
27	Non-dominated sorting culture differential evolution algorithm for multi-objective optimal operation of Wind- Solar-Hydro complementary power generation system. <i>Global Energy Interconnection</i> , 2019 , 2, 368-374	1.6	6
26	Multi-Objective Optimal Scheduling Model of Dynamic Control of Flood Limit Water Level for Cascade Reservoirs. <i>Water (Switzerland)</i> , 2019 , 11, 1836	3	6
25	Effect Analysis of Operation Stage Difference on Energy Storage Operation Chart of Cascade Reservoirs. <i>Water Resources Management</i> , 2019 , 33, 1349-1365	3.7	7
24	Hierarchical Flood Operation Rules Optimization Using Multi-Objective Cultured Evolutionary Algorithm Based on Decomposition. <i>Water Resources Management</i> , 2019 , 33, 337-354	3.7	44
23	Monthly streamflow forecasting based on hidden Markov model and Gaussian Mixture Regression. <i>Journal of Hydrology</i> , 2018 , 561, 146-159	6	53
22	Multi-stage progressive optimality algorithm and its application in energy storage operation chart optimization of cascade reservoirs. <i>Energy</i> , 2018 , 148, 309-323	7.9	79
21	A data-driven model based on Fourier transform and support vector regression for monthly reservoir inflow forecasting. <i>Journal of Hydro-Environment Research</i> , 2018 , 18, 12-24	2.3	38
20	Study on unit commitment problem considering pumped storage and renewable energy via a novel binary artificial sheep algorithm. <i>Applied Energy</i> , 2017 , 187, 612-626	10.7	76
19	Medium-Term Hydro Generation Scheduling (MTHGS) with Chance Constrained Model (CCM) and Dynamic Control Model (DCM). <i>Water Resources Management</i> , 2017 , 31, 3543-3555	3.7	8
18	Two-Dimensional Finite-Volume Eulerian-Lagrangian Method on Unstructured Grid for Solving Advective Transport of Passive Scalars in Free-Surface Flows. <i>Journal of Hydraulic Engineering</i> , 2017 , 143, 04017051	1.8	5

17	Parallel Multi-Objective Genetic Algorithm for Short-Term Economic Environmental Hydrothermal Scheduling. <i>Energies</i> , 2017 , 10, 163	3.1	37
16	Two Dimension Reduction Methods for Multi-Dimensional Dynamic Programming and Its Application in Cascade Reservoirs Operation Optimization. <i>Water (Switzerland)</i> , 2017 , 9, 634	3	33
15	Optimal operation of multi-reservoir hydropower systems using enhanced comprehensive learning particle swarm optimization. <i>Journal of Hydro-Environment Research</i> , 2016 , 10, 50-63	2.3	35
14	Multi-Objective Sustainable Operation of the Three Gorges Cascaded Hydropower System Using Multi-Swarm Comprehensive Learning Particle Swarm Optimization. <i>Energies</i> , 2016 , 9, 438	3.1	10
13	Research and application of key technologies in drawing energy storage operation chart by discriminant coefficient method. <i>Energy</i> , 2016 , 114, 774-786	7.9	17
12	Deriving joint optimal refill rules for cascade reservoirs with multi-objective evaluation. <i>Journal of Hydrology</i> , 2015 , 524, 166-181	6	39
11	A novel multi-objective electromagnetism-like mechanism algorithm with applications in reservoir flood control operation. <i>Water Science and Technology</i> , 2014 , 69, 1181-90	2.2	8
10	Long-term Optimal Scheduling of Cascade Hydropower Stations Using Fuzzy Multi-objective Dynamic Programming Approach 2011 ,		1
9	Novel Multiobjective Shuffled Frog Leaping Algorithm with Application to Reservoir Flood Control Operation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 217-226	2.8	49
8	The Compound Consistency Induced Ordered Weighted Averaging operator and its application to reservoir operation 2010 ,		1
7	Multi-objective Cultured Differential Evolution for Generating Optimal Trade-offs in Reservoir Flood Control Operation. <i>Water Resources Management</i> , 2010 , 24, 2611-2632	3.7	78
6	Multi-objective differential evolution with adaptive Cauchy mutation for short-term multi-objective optimal hydro-thermal scheduling. <i>Energy Conversion and Management</i> , 2010 , 51, 788-794	10.6	67
5	Flood Disaster Classification Based on Fuzzy Clustering Iterative Model and Modified Differential Evolution Algorithm 2009 ,		2
4	The Chaos-Based Shuffled Frog Leaping Algorithm and Its Application 2008 ,		11
3	Enhanced Strength Pareto Differential Evolution (ESPDE): An Extension of Differential Evolution for Multi-objective Optimization 2008 ,		3
2	Adaptive Niche Multi-objective Particle Swarm Optimization Algorithm 2008 ,		1
1	Global Increases in Compound Flood-Hot Extreme Hazards Under Climate Warming. <i>Geophysical Research Letters</i> ,	4.9	1