

# Duan Chen

## 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.

15  
papers

176  
citations

7  
h-index

13  
g-index

18  
ext. papers

200  
ext. citations

3.5  
avg, IF

2.8  
L-index

#	Paper	IF	Citations
15	A MATLAB framework for forecasting optimal flow releases in a multi-storage system for flood control. <i>Environmental Modelling and Software</i> , <b>2020</b> , 125, 104618	5.2	3
14	A Derivative-Free Hybrid Optimization Model for Short-Term Operation of a Multi-Objective Reservoir System Under Uncertainty. <i>Water Resources Management</i> , <b>2018</b> , 32, 3707-3721	3.7	3
13	Dynamic Management of Water Storage for Flood Control in a Wetland System: A Case Study in Texas. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 325	3	11
12	Incorporating Filters in Random Search Algorithms for the Hourly Operation of a Multireservoir System. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04017088	2.8	2
11	Application of Cluster Analysis for Finding Operational Patterns of Multireservoir System during Transition Period. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04017028	2.8	4
10	Offline training for improving online performance of a genetic algorithm based optimization model for hourly multi-reservoir operation. <i>Environmental Modelling and Software</i> , <b>2017</b> , 96, 46-57	5.2	9
9	Dimension reduction of decision variables for multireservoir operation: A spectral optimization model. <i>Water Resources Research</i> , <b>2016</b> , 52, 36-51	5.4	28
8	A Genetic Algorithm Parallel Strategy for Optimizing the Operation of Reservoir with Multiple Eco-environmental Objectives. <i>Water Resources Management</i> , <b>2016</b> , 30, 2127-2142	3.7	28
7	Deriving Optimal Daily Reservoir Operation Scheme with Consideration of Downstream Ecological Hydrograph Through A Time-Nested Approach. <i>Water Resources Management</i> , <b>2015</b> , 29, 3371-3386	3.7	21
6	Optimizing Short-Term Operation of a Multireservoir System during Transition of Objectives and Constraints <b>2014</b> ,		4
5	Ecologically-friendly operation scheme for the Jinping cascaded reservoirs in the Yalongjiang River, China. <i>Frontiers of Earth Science</i> , <b>2014</b> , 8, 282-290	1.7	6
4	Adapting the operation of two cascaded reservoirs for ecological flow requirement of a de-watered river channel due to diversion-type hydropower stations. <i>Ecological Modelling</i> , <b>2013</b> , 252, 266-272	3	41
3	Optimizing the operation of the Qingshitan Reservoir in the Lijiang River for multiple human interests and quasi-natural flow maintenance. <i>Journal of Environmental Sciences</i> , <b>2012</b> , 24, 1923-8	6.4	14
2	Implementing Eco-Friendly Reservoir Operation by Using Genetic Algorithm with Dynamic Mutation Operator. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 509-516	0.9	2
1	Flexible decision variables in multi-objective reservoir operation. <i>International Journal of Computer Mathematics</i> , 1-14	1.2	