Edith A Zagona

List of Publications by Year
in descending order

29 papers	1,512 citations	430874 18 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1706 citing authors

#	Article	IF	Citations
1	RIVERWARE: A GENERALIZED TOOL FOR COMPLEX RESERVOIR SYSTEM MODELING1. Journal of the American Water Resources Association, 2001, 37, 913-929.	2.4	244
2	The future of water resources systems analysis: Toward a scientific framework for sustainable water management. Water Resources Research, 2015, 51, 6110-6124.	4.2	214
3	Cooperative filling approaches for the Grand Ethiopian Renaissance Dam. Water International, 2016, 41, 611-634.	1.0	127
4	A multimodel ensemble forecast framework: Application to spring seasonal flows in the Gunnison River Basin. Water Resources Research, 2006, 42, .	4.2	101
5	Modified K-NN Model for Stochastic Streamflow Simulation. Journal of Hydrologic Engineering - ASCE, 2006, 11, 371-378.	1.9	96
6	Understanding and managing new risks on the Nile with the Grand Ethiopian Renaissance Dam. Nature Communications, 2020, 11, 5222.	12.8	87
7	Quantifying and evaluating the impacts of cooperation in transboundary river basins on the Water-Energy-Food nexus: The Blue Nile Basin. Science of the Total Environment, 2018, 630, 1309-1323.	8.0	83
8	Seasonal Shifts in the North American Monsoon. Journal of Climate, 2007, 20, 1923-1935.	3.2	71
9	Goal Programming Decision Support System for Multiobjective Operation of Reservoir Systems. Journal of Water Resources Planning and Management - ASCE, 2001, 127, 108-120.	2.6	65
10	Colorado River Basin Hydroclimatic Variability. Journal of Climate, 2012, 25, 4389-4403.	3.2	61
11	Exploring Cooperative Transboundary River Management Strategies for the Eastern Nile Basin. Water Resources Research, 2018, 54, 9224-9254.	4.2	56
12	Enhancing hydropower modeling in variable generation integration studies. Energy, 2014, 74, 518-528.	8.8	44
13	Statistical Nonparametric Model for Natural Salt Estimation. Journal of Environmental Engineering, ASCE, 2005, 131, 130-138.	1.4	41
14	Space–time variability of Indonesian rainfall at inter-annual and multi-decadal time scales. Climate Dynamics, 2016, 47, 2975-2989.	3.8	30
15	Wavelet‐based time series bootstrap model for multidecadal streamflow simulation using climate indicators. Water Resources Research, 2016, 52, 4061-4077.	4.2	27
16	Wavelet Auto-Regressive Method (WARM) for multi-site streamflow simulation of data with non-stationary spectra. Journal of Hydrology, 2011, 410, 1-12.	5.4	25
17	Filling Africa's Largest Hydropower Dam Should Consider Engineering Realities. One Earth, 2020, 3, 277-281.	6.8	23
18	Water Management Applications of Climate-Based Hydrologic Forecasts: Case Study of the Truckee-Carson River Basin. Journal of Water Resources Planning and Management - ASCE, 2007, 133, 339-350.	2.6	20

#	ARTICLE	IF	CITATIONS
19	Many-Objective Analysis to Optimize Pumping and Releases in Multireservoir Water Supply Network. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	17
20	Decision Science Can Help Address the Challenges of Long‐Term Planning in the Colorado River Basin. Journal of the American Water Resources Association, 2022, 58, 735-745.	2.4	15
21	A Nonlinear Dynamical Systems‐Based Modeling Approach for Stochastic Simulation of Streamflow and Understanding Predictability. Water Resources Research, 2019, 55, 6268-6284.	4.2	11
22	Prototype Decision Support System for Operations on the Gunnison Basin with Improved Forecasts. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 428-438.	2.6	10
23	A DECISION SUPPORT SYSTEM TO MANAGE SUMMER STREAM TEMPERATURES. Journal of the American Water Resources Association, 2006, 42, 1275-1284.	2.4	10
24	Wavelet and Hidden Markov-Based Stochastic Simulation Methods Comparison on Colorado River Streamflow. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	1.9	9
25	Stochastic Decadal Projections of Colorado River Streamflow and Reservoir Pool Elevations Conditioned on Temperature Projections. Water Resources Research, 2021, 57, e2021WR030936.	4.2	8
26	Watershed and River Systems Management Program: Overview of Capabilities. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 92-97.	1.0	7
27	A Methodology to Assess the Value of Integrated Hydropower and Wind Generation. Wind Engineering, 2014, 38, 261-275.	1.9	5
28	The Colorado River Basin Operational Prediction Testbed: A Framework for Evaluating Streamflow Forecasts and Reservoir Operations. Journal of the American Water Resources Association, 2022, 58, 690-708.	2.4	3
29	Modeling Uncertainty in an Object-Oriented Reservoir Operations Model. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 104-111.	1.0	2