

# Exploring How Changing Monsoonal Dynamics and Human Multireservoir Management for Flood Protection, Hydr Agricultural Water Supply

Water Resources Research

54, 4638-4662

DOI: [10.1029/2018wr022743](https://doi.org/10.1029/2018wr022743)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Weather-Regime-Based Stochastic Weather Generator for Climate Vulnerability Assessments of Water Systems in the Western United States. <i>Water Resources Research</i> , 2019, 55, 6923-6945.	4.2	38
2	Deeply uncertain pathways: Integrated multi-city regional water supply infrastructure investment and portfolio management. <i>Advances in Water Resources</i> , 2019, 134, 103442.	3.8	50
3	Identifying Actionable Compromises: Navigating Multi-City Robustness Conflicts to Discover Cooperative-Safe Operating Spaces for Regional-Water-Supply Portfolios. <i>Water Resources Research</i> , 2019, 55, 9024-9050.	4.2	39
4	What Is Controlling Our Control Rules? Opening the Black Box of Multi-Reservoir Operating Policies Using Time-Varying Sensitivity Analysis. <i>Water Resources Research</i> , 2019, 55, 5962-5984.	4.2	40
5	Contemporary Decision Methods for Agricultural, Environmental, and Resource Management and Policy. <i>Annual Review of Resource Economics</i> , 2019, 11, 19-41.	3.7	12
6	On the Value of ENSO State for Urban Water Supply System Operators: Opportunities, Trade-Offs, and Challenges. <i>Water Resources Research</i> , 2019, 55, 2856-2875.	4.2	19
7	Discovering Dependencies, Trade-Offs, and Robustness in Joint Dam Design and Operation: An Ex-Post Assessment of the Kariba Dam. <i>Earth's Future</i> , 2019, 7, 1367-1390.	6.3	30
8	Optimization method for joint operation of a double-reservoir-and-double-pumping-station system: a case study of Nanjing, China. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 803-815.	1.4	8
9	Structuring and evaluating decision support processes to enhance the robustness of complex human-natural systems. <i>Environmental Modelling and Software</i> , 2020, 123, 104551.	4.5	53
10	Climate Adaptation as a Control Problem: Review and Perspectives on Dynamic Water Resources Planning Under Uncertainty. <i>Water Resources Research</i> , 2020, 56, e24389.	4.2	110
11	Assessing the reliability, resilience and vulnerability of water supply system under multiple uncertain sources. <i>Journal of Cleaner Production</i> , 2020, 252, 119806.	9.3	50
12	Coupled annual and daily multivariate and multisite stochastic weather generator to preserve low- and high-frequency variability to assess climate vulnerability. <i>Journal of Hydrology</i> , 2020, 581, 124443.	5.4	9
13	Water pathways: An open source stochastic simulation system for integrated water supply portfolio management and infrastructure investment planning. <i>Environmental Modelling and Software</i> , 2020, 132, 104772.	4.5	24
14	Implications of climate change on water storage and filling time of a multipurpose reservoir in India. <i>Journal of Hydrology</i> , 2020, 590, 125542.	5.4	13
15	Exploratory modeling for analyzing coupled human-natural systems under uncertainty. <i>Global Environmental Change</i> , 2020, 65, 102186.	7.8	65
16	Can Exploratory Modeling of Water Scarcity Vulnerabilities and Robustness Be Scenario Neutral?. <i>Earth's Future</i> , 2020, 8, e2020EF001650.	6.3	30
17	Impact of Scenario Selection on Robustness. <i>Water Resources Research</i> , 2020, 56, e2019WR026515.	4.2	25
18	An active learning approach for identifying the smallest subset of informative scenarios for robust planning under deep uncertainty. <i>Environmental Modelling and Software</i> , 2020, 127, 104681.	4.5	24

#	ARTICLE	IF	CITATIONS
19	Feedback Between Reservoir Operation and Floodplain Development: Implications for Reservoir Benefits and Beneficiaries. <i>Water Resources Research</i> , 2020, 56, e24524.	4.2	10
20	Developing a sustainability science approach for water systems. <i>Ecology and Society</i> , 2020, 25, .	2.3	19
21	Defining Robustness, Vulnerabilities, and Consequential Scenarios for Diverse Stakeholder Interests in Institutionally Complex River Basins. <i>Earth's Future</i> , 2020, 8, e2020EF001503.	6.3	30
22	Do Design Storms Yield Robust Drainage Systems? How Rainfall Duration, Intensity, and Profile Can Affect Drainage Performance. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	9
23	A risk-based analytical framework for quantifying non-stationary flood risks and establishing infrastructure design standards in a changing environment. <i>Journal of Hydrology</i> , 2020, 584, 124575.	5.4	18
24	Innovations in Land, Water and Energy for Vietnam's Sustainable Development. <i>UNIPA Springer Series</i> , 2021, , .	0.1	2
25	Identifying critical climate conditions for use in scenario-neutral climate impact assessments. <i>Environmental Modelling and Software</i> , 2021, 136, 104948.	4.5	21
26	Research on Digital Economy and Human Resources Based on Fuzzy Clustering and Edge Computing. <i>Security and Communication Networks</i> , 2021, 2021, 1-8.	1.5	2
27	Toward Data-Driven Generation and Evaluation of Model Structure for Integrated Representations of Human Behavior in Water Resources Systems. <i>Water Resources Research</i> , 2021, 57, e2020WR028148.	4.2	8
28	Designing With Information Feedbacks: Forecast Informed Reservoir Sizing and Operation. <i>Water Resources Research</i> , 2021, 57, e2020WR028112.	4.2	12
29	Spatial planning for water sustainability projects under climate uncertainty: balancing human and environmental water needs. <i>Environmental Research Letters</i> , 2021, 16, 034050.	5.2	8
30	How do the properties of training scenarios influence the robustness of reservoir operating policies to climate uncertainty?. <i>Environmental Modelling and Software</i> , 2021, 141, 105047.	4.5	5
31	Deriving Reservoir Cascade Operation Rules for Variable Streamflows by Optimizing Hydropower Generation and Irrigation Water Delivery. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	4
32	Evaluation of Data-Driven and Process-Based Real-Time Flow Forecasting Techniques for Informing Operation of Surface Water Abstraction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	6
33	Improving the Robustness of Reservoir Operations with Stochastic Dynamic Programming. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	12
34	Guidance framework and software for understanding and achieving system robustness. <i>Environmental Modelling and Software</i> , 2021, 142, 105059.	4.5	10
35	Optimal Design and Operation of River Basin Storage under Hydroclimatic Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, 04021055.	2.6	2
36	Improving Information-Based Coordinated Operations in Interbasin Water Transfer Megaprojects: Case Study in Southern India. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	7

#	ARTICLE	IF	CITATIONS
37	Multiobjective Direct Policy Search Using Physically Based Operating Rules in Multireservoir Systems. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	8
38	Bias Correction of Hydrologic Projections Strongly Impacts Inferred Climate Vulnerabilities in Institutionally Complex Water Systems. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	8
39	Exploring a Direct Policy Search Framework for Multiobjective Optimization of a Microgrid Energy Management System. , 2020, , .		5
40	Water Resources Planning and Management in a Changing Climate and Society. UNIPA Springer Series, 2021, , 197-215.	0.1	0
41	Policy Representation Learning for Multiobjective Reservoir Policy Design With Different Objective Dynamics. Water Resources Research, 2021, 57, e2020WR029329.	4.2	8
42	Exploring future vulnerabilities of subalpine Italian regulated lakes under different climate scenarios: bottom-up vs top-down and CMIP5 vs CMIP6. Journal of Hydrology: Regional Studies, 2021, 38, 100973.	2.4	3
43	Overview of hydropower resources and development in Uganda. AIMS Energy, 2021, 9, 1299-1320.	1.9	7
44	Attention to values helps shape convergence research. Climatic Change, 2022, 170, 1.	3.6	2
45	From Stream Flows to Cash Flows: Leveraging Evolutionary Multi-Objective Direct Policy Search to Manage Hydrologic Financial Risks. Water Resources Research, 2022, 58, .	4.2	6
46	Power and Pathways: Exploring Robustness, Cooperative Stability, and Power Relationships in Regional Infrastructure Investment and Water Supply Management Portfolio Pathways. Earth's Future, 2022, 10, .	6.3	7
47	Impact of Inter-Utility Agreements on Cooperative Regional Water Infrastructure Investment and Management Pathways. Water Resources Research, 2022, 58, .	4.2	7
48	Representing Socio-Economic Uncertainty in Human System Models. Earth's Future, 2022, 10, .	6.3	19
49	Unveiling uncertainties to enhance sustainability transformations in infrastructure decision-making. Current Opinion in Environmental Sustainability, 2022, 55, 101172.	6.3	7
50	Possibilistic response surfaces: incorporating fuzzy thresholds into bottom-up flood vulnerability analysis. Hydrology and Earth System Sciences, 2021, 25, 6421-6435.	4.9	1
51	Optimized economic operation of energy storage integration using improved gravitational search algorithm and dual stage optimization. Journal of Energy Storage, 2022, 50, 104591.	8.1	14
52	Post-Mordm: Mapping Policies to Synthesize Optimization and Robustness Results for Decision-Maker Compromise. SSRN Electronic Journal, 0, , .	0.4	0
53	Advancing Reservoir Operations Modelling in Swat to Reduce Socio-Ecological Tradeoffs. SSRN Electronic Journal, 0, , .	0.4	0
54	Participatory design of robust and sustainable development pathways in the Omo-Turkana river basin. Journal of Hydrology: Regional Studies, 2022, 41, 101116.	2.4	3

#	ARTICLE	IF	CITATIONS
55	A Review of Decision Making Under Deep Uncertainty Applications Using Green Infrastructure for Flood Management. <i>Earth's Future</i> , 2022, 10, .	6.3	11
56	Hard-coupling water and power system models increases the complementarity of renewable energy sources. <i>Applied Energy</i> , 2022, 321, 119386.	10.1	4
57	Assessing the impact of the temporal resolution of performance indicators on optimal decisions of a water resources system. <i>Journal of Hydrology</i> , 2022, 612, 128185.	5.4	2
58	Uncertainty Analysis in Multi-Sector Systems: Considerations for Risk Analysis, Projection, and Planning for Complex Systems. <i>Earth's Future</i> , 2022, 10, .	6.3	16
59	post-MORDM: Mapping policies to synthesize optimization and robustness results for decision-maker compromise. <i>Environmental Modelling and Software</i> , 2022, 157, 105491.	4.5	2
60	Integrating local and global projections for the generation of water demand scenarios in the Red River Basin, Vietnam. <i>IFAC-PapersOnLine</i> , 2022, 55, 43-48.	0.9	0
62	Does hydropower production influence agriculture industry growth to achieve sustainable development in the EU economies?. <i>Environmental Science and Pollution Research</i> , 2023, 30, 12825-12843.	5.3	9
63	Exploring the Consistency of Water Scarcity Inferences between Large-Scale Hydrologic and Node-Based Water System Model Representations of the Upper Colorado River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2023, 149, .	2.6	2
64	Scale-invariant sensitivity for multi-purpose water reservoirs management with temporal scale-dependent modeling. <i>Journal of Environmental Management</i> , 2023, 339, 117862.	7.8	0
65	Stochastic Watershed Model Ensembles for Long-Range Planning: Verification and Validation. <i>Water Resources Research</i> , 2023, 59, .	4.2	5
66	Optimal water allocation integrated with water supply, replenishment, and spill in the in-series reservoir based on an improved decomposition and dynamic programming aggregation method. <i>Journal of Hydroinformatics</i> , 2023, 25, 989-1003.	2.4	0
67	Beyond engineering: A review of reservoir management through the lens of wickedness, competing objectives and uncertainty. <i>Environmental Modelling and Software</i> , 2023, 167, 105777.	4.5	3
68	Technical note: Statistical generation of climate-perturbed flow duration curves. <i>Hydrology and Earth System Sciences</i> , 2023, 27, 2499-2507.	4.9	0
69	Bagged stepwise cluster analysis for probabilistic river flow prediction. <i>Journal of Hydrology</i> , 2023, 625, 129995.	5.4	1
70	How Should Diverse Stakeholder Interests Shape Evaluations of Complex Water Resources Systems Robustness When Confronting Deeply Uncertain Changes?. <i>Earth's Future</i> , 2023, 11, .	6.3	1
71	Spatio-temporal analysis of river channel pattern in lower course of River Ravi using GIS and remote sensing. <i>Applied Geomatics</i> , 2023, 15, 759-772.	2.5	1
72	Evaluating Implementation Uncertainties and Defining Safe Operating Spaces for Deeply Uncertain Cooperative Multi-City Water Supply Investment Pathways. <i>Water Resources Research</i> , 2023, 59, .	4.2	0
73	Identifying robust adaptive irrigation operating policies to balance deeply uncertain economic food production and groundwater sustainability trade-offs. <i>Journal of Environmental Management</i> , 2023, 345, 118901.	7.8	3

#	ARTICLE	IF	CITATIONS
74	Ecological security evaluation for Changtan Reservoir in Taizhou City, East China, based on the DPSIR model. Human and Ecological Risk Assessment (HERA), 2023, 29, 1064-1090.	3.4	3
75	Theory and practice of basin-wide floodwater utilization: Typical implementing measures in China. Journal of Hydrology, 2024, 628, 130520.	5.4	1
76	FIND: A Synthetic weather generator to control drought Frequency, Intensity, and Duration. Environmental Modelling and Software, 2024, 172, 105927.	4.5	0
77	Subsampling and space-filling metrics to test ensemble size for robustness analysis with a demonstration in the Colorado River Basin. Environmental Modelling and Software, 2024, 172, 105933.	4.5	0