

Jian-Shi Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2293696/publications.pdf>

Version: 2024-02-01

70
papers

2,307
citations

201385

27
h-index

223531

46
g-index

71
all docs

71
docs citations

71
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse scattering transform of the general three-component nonlinear Schrödinger equation and its multisoliton solutions. <i>Applied Mathematics Letters</i> , 2022, 128, 107874.	1.5	7
2	Soft-cooperation via data sharing eases transboundary conflicts in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2022, 606, 127464.	2.3	8
3	Modeling Effects of Atmospheric Nitrogen Deposition on the Water Quality of the MR-SNWDP. <i>Atmosphere</i> , 2022, 13, 553.	1.0	2
4	Partition of one-dimensional river flood routing uncertainty due to boundary conditions and riverbed roughness. <i>Journal of Hydrology</i> , 2022, 608, 127660.	2.3	6
5	Prediction of NDVI dynamics under different ecological water supplementation scenarios based on a long short-term memory network in the Zhalong Wetland, China. <i>Journal of Hydrology</i> , 2022, 608, 127626.	2.3	9
6	Optimal Operation Rules for Parallel Reservoir Systems with Distributed Water Demands. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	2
7	Location identification of river bathymetric error based on the forward and reverse flow routing. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 5095-5110.	1.0	3
8	Release process identification of non-instantaneous point source pollution in rivers via reverse flow and pollution routing. <i>Environmental Research</i> , 2022, 213, 113704.	3.7	1
9	Changes in reference evapotranspiration over the non-monsoon region of China during 1961–2017: Relationships with atmospheric circulation and attributions. <i>International Journal of Climatology</i> , 2021, 41, E734.	1.5	7
10	Scenario analysis for the sustainable development of agricultural water in the Wuyuer River basin based on the WEP model with a reservoir and diversion engineering module. <i>Science of the Total Environment</i> , 2021, 758, 143668.	3.9	10
11	A Forecast-Skill-Based Dynamic Pre-Storm Level Control for Reservoir Flood-Control Operation. <i>Water (Switzerland)</i> , 2021, 13, 556.	1.2	4
12	Dam-Impacted Water-Energy-Food Nexus in Lancang-Mekong River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	20
13	Improving real-time reservoir operation during flood season by making the most of streamflow forecasts. <i>Journal of Hydrology</i> , 2021, 595, 126017.	2.3	8
14	Analyzing the Impact of Streamflow Drought on Hydroelectricity Production: A Global-Scale Study. <i>Water Resources Research</i> , 2021, 57, e2020WR028087.	1.7	28
15	Regional Patterns and Physical Controls of Streamflow Generation Across the Conterminous United States. <i>Water Resources Research</i> , 2021, 57, e2020WR028086.	1.7	20
16	Use of sustainability index and cellular automata-Markov model to determine and predict long-term spatio-temporal variation of drought in China. <i>Journal of Hydrology</i> , 2021, 598, 126248.	2.3	15
17	Understanding water rights and water trading systems in China: A systematic framework. <i>Water Security</i> , 2021, 13, 100094.	1.2	9
18	Additional surface-water deficit to meet global universal water accessibility by 2030. <i>Journal of Cleaner Production</i> , 2021, 320, 128829.	4.6	11

#	ARTICLE	IF	CITATIONS
19	South-to-North Water Diversion stabilizing Beijing's groundwater levels. <i>Nature Communications</i> , 2020, 11, 3665.	5.8	254
20	Influence of River Discharge on the Transport of the Saltwater Group from the North Branch in the Yangtze River Estuary. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9156.	1.2	4
21	Hydraulic Potential Energy Model for Hydropower Operation in Mixed Reservoir Systems. <i>Water Resources Research</i> , 2020, 56, e2019WR026062.	1.7	9
22	Deceleration of China's human water use and its key drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7702-7711.	3.3	155
23	An effective method for point pollution source identification in rivers with performance-improved ensemble Kalman filter. <i>Journal of Hydrology</i> , 2019, 577, 123991.	2.3	23
24	Water benefits sharing under transboundary cooperation in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2019, 577, 123989.	2.3	43
25	Evolutionary Cooperation in Transboundary River Basins. <i>Water Resources Research</i> , 2019, 55, 9977-9994.	1.7	23
26	Revisiting Water Supply Rule Curves with Hedging Theory for Climate Change Adaptation. <i>Sustainability</i> , 2019, 11, 1827.	1.6	8
27	Constrained Model Predictive Control Algorithm for Cascaded Irrigation Canals. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2019, 145, .	0.6	24
28	Comparing the Economic and Environmental Effects of Different Water Management Schemes Using a Coupled Agent-based Hydrologic Model. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	9
29	Effects of Hydrologic Conditions and Reservoir Operation on Transboundary Cooperation in the Lancang-Mekong River Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	1.3	30
30	A Two-Phase Model for Trade Matching and Price Setting in Double Auction Water Markets. <i>Water Resources Research</i> , 2018, 54, 2999-3017.	1.7	11
31	Piecewise-Linear Hedging Rules for Reservoir Operation with Economic and Ecologic Objectives. <i>Water (Switzerland)</i> , 2018, 10, 865.	1.2	12
32	A Budyko-type model for human water consumption. <i>Journal of Hydrology</i> , 2018, 567, 212-226.	2.3	23
33	A Holistic View of Water Management Impacts on Future Droughts: A Global Multimodel Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5947-5972.	1.2	25
34	Optimizing environmental flow operations based on explicit quantification of IHA parameters. <i>Journal of Hydrology</i> , 2018, 563, 510-522.	2.3	31
35	New approach for point pollution source identification in rivers based on the backward probability method. <i>Environmental Pollution</i> , 2018, 241, 759-774.	3.7	56
36	Improved Dynamic Programming for Reservoir Flood Control Operation. <i>Water Resources Management</i> , 2017, 31, 2047-2063.	1.9	28

#	ARTICLE	IF	CITATIONS
37	Observed changes in flow regimes in the Mekong River basin. <i>Journal of Hydrology</i> , 2017, 551, 217-232.	2.3	135
38	Dam Construction in Lancangâ€Mekong River Basin Could Mitigate Future Flood Risk From Warmingâ€Induced Intensified Rainfall. <i>Geophysical Research Letters</i> , 2017, 44, 10,378.	1.5	79
39	Nonlinear Filtering Effects of Reservoirs on Flood Frequency Curves at the Regional Scale. <i>Water Resources Research</i> , 2017, 53, 8277-8292.	1.7	34
40	Hydrological Drought in the Anthropocene: Impacts of Local Water Extraction and Reservoir Regulation in the U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,313.	1.2	58
41	Unifying catchment water balance models for different time scales through the maximum entropy production principle. <i>Water Resources Research</i> , 2016, 52, 7503-7512.	1.7	28
42	Optimal Pre-storm Flood Hedging Releases for a Single Reservoir. <i>Water Resources Management</i> , 2016, 30, 5113-5129.	1.9	31
43	Optimal Hedging Rule for Reservoir Refill. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	28
44	Optimal Hedging Rules for Two-Objective Reservoir Operation: Balancing Water Supply and Environmental Flow. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	19
45	Source of atmospheric moisture and precipitation over Chinaâ€™s major river basins. <i>Frontiers of Earth Science</i> , 2016, 10, 159-170.	0.9	23
46	Evaluating the marginal utility principle for long-term hydropower scheduling. <i>Energy Conversion and Management</i> , 2015, 106, 213-223.	4.4	52
47	Adaptive Reservoir Operation Model Incorporating Nonstationary Inflow Prediction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015, 141, .	1.3	37
48	Quantifying predictive uncertainty of streamflow forecasts based on a Bayesian joint probability model. <i>Journal of Hydrology</i> , 2015, 528, 329-340.	2.3	49
49	A thermodynamic interpretation of Budyko and L'vovich formulations of annual water balance: Proportionality Hypothesis and maximum entropy production. <i>Water Resources Research</i> , 2015, 51, 3007-3016.	1.7	39
50	Identifying determinants of urban water use using data mining approach. <i>Urban Water Journal</i> , 2015, 12, 618-630.	1.0	9
51	Improved Dynamic Programming for Hydropower Reservoir Operation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 365-374.	1.3	110
52	Improved multiple-objective dynamic programming model for reservoir operation optimization. <i>Journal of Hydroinformatics</i> , 2014, 16, 1142-1157.	1.1	25
53	Optimizing Operation of Water Supply Reservoir: The Role of Constraints. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-15.	0.6	9
54	Joint and respective effects of long- and short-term forecast uncertainties on reservoir operations. <i>Journal of Hydrology</i> , 2014, 517, 83-94.	2.3	64

#	ARTICLE	IF	CITATIONS
55	Optimal Hedging Rules for Reservoir Flood Operation from Forecast Uncertainties. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	64
56	Forecast-skill-based simulation of streamflow forecasts. Advances in Water Resources, 2014, 71, 55-64.	1.7	16
57	Comparing administered and market-based water allocation systems through a consistent agent-based modeling framework. Journal of Environmental Management, 2013, 123, 120-130.	3.8	54
58	Generalized martingale model of the uncertainty evolution of streamflow forecasts. Advances in Water Resources, 2013, 57, 41-51.	1.7	56
59	Identifying effective forecast horizon for real-time reservoir operation under a limited inflow forecast. Water Resources Research, 2012, 48, .	1.7	87
60	Decentralized Optimization Method for Water Allocation Management in the Yellow River Basin. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 313-325.	1.3	58
61	Agricultural water productivity assessment for the Yellow River Basin. Agricultural Water Management, 2011, 98, 1297-1306.	2.4	25
62	Optimality conditions for a two-stage reservoir operation problem. Water Resources Research, 2011, 47, .	1.7	63
63	A Multi-Agent System Based Model for Water Allocation Management in the Yellow River Basin. , 2010, , .		2
64	Yellow River basin: living with scarcity. Water International, 2010, 35, 681-701.	0.4	68
65	General Platform for Water Resources Optimal Operation: Lp_SolveJ. , 2009, , .		0
66	An Agent Based Nonlinear Optimal Model of Water Resources System and Its Solving Method. , 2009, , .		0
67	Coupled surface water-groundwater model and its application in the arid Shiyang River basin, China. Hydrological Processes, 2009, 23, 2033-2044.	1.1	19
68	Evaluation of Economic and Hydrologic Impacts of Unified Water Flow Regulation in the Yellow River Basin. Water Resources Management, 2009, 23, 1387-1401.	1.9	19
69	Water Marginal Benefit Analysis in the Recipient Area of Water Transfer Project from South to North. , 2006, , 1.		0
70	Study on the holistic model for water resources system. Science in China Series D: Earth Sciences, 2004, 47, 72.	0.9	9