

S Jamshid Mousavi

List of Publications by Year in descending order

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64
papers

1,786
citations

257101

24
h-index

288905

40
g-index

66
all docs

66
docs citations

66
times ranked

1664
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of fuzzy inference system in the prediction of wave parameters. Ocean Engineering, 2005, 32, 1709-1725.	1.9	164
2	Analyses of the impact of climate change on water resources components, drought and wheat yield in semiarid regions: Karkheh River Basin in Iran. Hydrological Processes, 2014, 28, 2018-2032.	1.1	135
3	Basin-wide Water Resources Planning by Integrating PSO Algorithm and MODSIM. Water Resources Management, 2008, 22, 1347-1366.	1.9	94
4	Game theory based models to analyze water conflicts in the Middle Route of the South-to-North Water Transfer Project in China. Water Research, 2010, 44, 2499-2516.	5.3	87
5	Inferring operating rules for reservoir operations using fuzzy regression and ANFIS. Fuzzy Sets and Systems, 2007, 158, 1064-1082.	1.6	85
6	A hybrid genetic algorithmmâ€“adaptive network-based fuzzy inference system in prediction of wave parameters. Engineering Applications of Artificial Intelligence, 2009, 22, 1194-1202.	4.3	75
7	Fuzzy-State Stochastic Dynamic Programming for Reservoir Operation. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 460-470.	1.3	64
8	Reservoir Operation Using a Dynamic Programming Fuzzy Ruleâ€“Based Approach. Water Resources Management, 2005, 19, 655-672.	1.9	62
9	Integration of hydrologic and water allocation models in basin-scale water resources management considering crop pattern and climate change: Karkheh River Basin in Iran. Regional Environmental Change, 2015, 15, 475-484.	1.4	61
10	Automatic calibration of HECâ€“HMS using singleâ€“objective and multiâ€“objective PSO algorithms. Hydrological Processes, 2013, 27, 4028-4042.	1.1	59
11	Analysis of intra-country virtual water trade strategy to alleviate water scarcity in Iran. Hydrology and Earth System Sciences, 2010, 14, 1417-1433.	1.9	53
12	Minimizing variance of reservoir systems operations benefits using soft computing tools. Fuzzy Sets and Systems, 2003, 139, 451-461.	1.6	49
13	Groundwater Modeling Under Variable Operating Conditions Using SWAT, MODFLOW and MT3DMS: a Catchment Scale Approach to Water Resources Management. Water Resources Management, 2018, 32, 1631-1649.	1.9	48
14	A stochastic dynamic programming model with fuzzy storage states for reservoir operations. Advances in Water Resources, 2004, 27, 1105-1110.	1.7	37
15	Adaptive sequentially spaceâ€“filling metamodeling applied in optimal water quantity allocation at basin scale. Water Resources Research, 2010, 46, .	1.7	37
16	Multi-Objective Optimization-Simulation for Reliability-Based Inter-Basin Water Allocation. Water Resources Management, 2017, 31, 3445-3464.	1.9	36
17	Capacity optimization of hydropower storage projects using particle swarm optimization algorithm. Journal of Hydroinformatics, 2010, 12, 275-291.	1.1	35
18	Ensemble-based machine learning approach for improved leak detection in water mains. Journal of Hydroinformatics, 2021, 23, 307-323.	1.1	35

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19	Neural-network-based simulation-optimization model for water allocation planning at basin scale. Journal of Hydroinformatics, 2008, 10, 331-343.	1.1	33
20	Fuzzy Optimization Model for Earthwork Allocations with Imprecise Parameters. Journal of Construction Engineering and Management - ASCE, 2007, 133, 181-190.	2.0	32
21	Reliability-Based Simulation-Optimization Model for Multireservoir Hydropower Systems Operations: Khersan Experience. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 24-33.	1.3	31
22	Sampling/stochastic dynamic programming for optimal operation of multi-purpose reservoirs using artificial neural network-based ensemble streamflow predictions. Journal of Hydroinformatics, 2014, 16, 907-921.	1.1	30
23	Uncertainty-based automatic calibration of HEC-HMS model using sequential uncertainty fitting approach. Journal of Hydroinformatics, 2012, 14, 286-309.	1.1	28
24	Can smart rainwater harvesting schemes result in the improved performance of integrated urban water systems?. Environmental Science and Pollution Research, 2018, 25, 19271-19282.	2.7	26
25	Real-Time Operation of Pumping Systems for Urban Flood Mitigation: Single-Period vs. Multi-Period Optimization. Water Resources Management, 2018, 32, 4643-4660.	1.9	26
26	Adaptive Network-Based Fuzzy Inference Systems Coupled with Genetic Algorithms for Predicting Soil Permeability Coefficient. Neural Processing Letters, 2016, 44, 53-79.	2.0	25
27	Copula-Based Chance-Constrained Hydro-Economic Optimization Model for Optimal Design of Reservoir-Irrigation District Systems under Multiple Interdependent Sources of Uncertainty. Water Resources Research, 2018, 54, 5763-5784.	1.7	23
28	Optimization simulation for short-term reservoir operation under flooding conditions. Journal of Water Supply: Research and Technology - AQUA, 2011, 60, 434-447.	0.6	21
29	Adaptive forecast-based real-time optimal reservoir operations: application to Lake Urmia. Journal of Hydroinformatics, 2019, 21, 908-924.	1.1	21
30	UNCERTAINTY BASED OPERATION OF LARGE SCALE RESERVOIR SYSTEMS: DEZ AND KAROON EXPERIENCE. Journal of the American Water Resources Association, 2003, 39, 961-975.	1.0	17
31	Coupled stochastic soil moisture simulation optimization model of deficit irrigation. Water Resources Research, 2013, 49, 4100-4113.	1.7	17
32	Sustainable Basin-Scale Water Allocation with Hydrologic State-Dependent Multi-Reservoir Operation Rules. Water Resources Management, 2017, 31, 3507-3526.	1.9	16
33	SWAT-Based Hydrological Modelling Using Model Selection Criteria. Water Resources Management, 2018, 32, 2181-2197.	1.9	16
34	Computational improvement for dynamic programming models by diagnosing infeasible storage combinations. Advances in Water Resources, 2003, 26, 851-859.	1.7	15
35	Adaptive meta-modeling-based simulation optimization in basin-scale optimum water allocation: a comparative analysis of meta-models. Journal of Hydroinformatics, 2016, 18, 446-465.	1.1	15
36	Stochastic multiobjective reservoir operation under imprecise objectives: multicriteria decision-making approach. Journal of Hydroinformatics, 2011, 13, 110-120.	1.1	14

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37	Stochastic Dynamic Programming-Based Approach for Optimal Irrigation Scheduling under Restricted Water Availability Conditions. <i>Irrigation and Drainage</i> , 2017, 66, 492-500.	0.8	13
38	Performance Assessment of a Coupled Particle Swarm Optimization and Network Flow Programming Model for Optimum Water Allocation. <i>Water Resources Management</i> , 2017, 31, 4835-4853.	1.9	13
39	Multi-objective reservoir operation under emergency condition: a case study with non-functional spillways. <i>Journal of Flood Risk Management</i> , 2014, 7, 374-384.	1.6	10
40	Long-term versus Real-time Optimal Operation for Gate Regulation during Flood in Urban Drainage Systems. <i>Urban Water Journal</i> , 2018, 15, 750-759.	1.0	10
41	Investigation of Rainfall Forecast System Characteristics in Real-Time Optimal Operation of Urban Drainage Systems. <i>Water Resources Management</i> , 2020, 34, 1773-1787.	1.9	10
42	Application of an Interior-Point Algorithm For Optimization of a Large-Scale Reservoir System. <i>Water Resources Management</i> , 2004, 18, 519-540.	1.9	9
43	Storage-yield analysis of surface water reservoirs: the role of reliability constraints and operating policies. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 2051-2061.	1.9	9
44	A TOPSIS-Based Multicriteria Approach to the Calibration of a Basin-Scale SWAT Hydrological Model. <i>Water Resources Management</i> , 2019, 33, 439-452.	1.9	9
45	Optimal Design and Operation of Hydraulically Coupled Hydropower Reservoirs System. <i>Procedia Engineering</i> , 2016, 154, 1393-1400.	1.2	8
46	Analysis of recharge conceptualization in inverse groundwater modelling. <i>Hydrological Sciences Journal</i> , 2016, 61, 2789-2801.	1.2	8
47	CHNS Modeling for Study and Management of Human-Water Interactions at Multiple Scales. <i>Water (Switzerland)</i> , 2020, 12, 1699.	1.2	8
48	Aggregation-Decomposition-Based Multi-Agent Reinforcement Learning for Multi-Reservoir Operations Optimization. <i>Water (Switzerland)</i> , 2020, 12, 2688.	1.2	6
49	A quantitative approach to resource effectiveness assessment: Application in the Urmia Lake Basin. <i>Journal of Environmental Management</i> , 2021, 289, 112559.	3.8	6
50	Optimization and simulation of a multiple reservoir system operation. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2004, 53, 409-424.	0.6	6
51	Probabilistic estimation of irrigation requirement under climate uncertainty using dichotomous and marked renewal processes. <i>Advances in Water Resources</i> , 2013, 53, 263-272.	1.7	5
52	Linear System Theory-Based Optimization of Detention Basin's Location and Size at Watershed Scale. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	5
53	Stochastic order-based optimal design of a surface reservoir-irrigation district system. <i>Journal of Hydroinformatics</i> , 2013, 15, 591-606.	1.1	4
54	Simulation Optimization for Optimal Sizing of Water Transfer Systems. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 365-375.	0.5	4

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55	Integrated Operation of Multi-Reservoir and Many-Objective System Using Fuzzified Hedging Rule and Strength Pareto Evolutionary Optimization Algorithm (SPEA2). <i>Water (Switzerland)</i> , 2021, 13, 1995.	1.2	4
56	Remote Sensing-Assisted Basin-Scale Water Resources Management Considering Climate Change and Human Activities Impacts. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	4
57	Comparison of Two Data-Driven Streamflow Forecast Approaches in an Adaptive Optimal Reservoir Operation Model. , 0, , .		3
58	Ranking of conceptualized groundwater models based on model information criteria. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 670-687.	0.6	2
59	Assessing the Role of Foresight on Future Streamflows in Storage-yield-Reliability Analysis of Surface Water Reservoirs. <i>Procedia Engineering</i> , 2016, 154, 1163-1168.	1.2	2
60	Automated Calibration and Optimization of Water Planning and Allocation Models: Gilan Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	2
61	A Stochastic Dynamic Programming Model With Fuzzy Storage States Applied to Reservoir Operation Optimization. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	1
62	A Real-Time Optimal Gate Operation Model for Urban Drainage Systems. , 0, , .		1
63	A Multi-objective Optimisation Approach to Optimising Water Allocation in Urban Water Systems. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 447-457.	0.5	0
64	A Multilevel Uncertainty-Based Approach for Optimal Irrigation Scheduling. <i>Springer Water</i> , 2018, , 359-372.	0.2	0