S Jamshid Mousavi

List of Publications by Year in Descending Order

65 papers	1,369 citations	21 h-index	35 g-index
66 ext. papers	1,570 ext. citations	3.4 avg, IF	4.86 L-index

#	Paper	IF	Citations
65	A quantitative approach to resource effectiveness assessment: Application in the Urmia Lake Basin. *Journal of Environmental Management*, **2021**, 289, 112559	7.9	1
64	Integrated Operation of Multi-Reservoir and Many-Objective System Using Fuzzified Hedging Rule and Strength Pareto Evolutionary Optimization Algorithm (SPEA2). *Water (Switzerland)*, **2021**, 13, 1995	3	1
63	Ensemble-based machine learning approach for improved leak detection in water mains. *Journal of Hydroinformatics*, **2021**, 23, 307-323	2.6	11
62	Remote Sensing–Assisted Basin-Scale Water Resources Management Considering Climate Change and Human Activities Impacts. *Journal of Hydrologic Engineering - ASCE*, **2021**, 26, 04021037	1.8	1
61	Investigation of Rainfall Forecast System Characteristics in Real-Time Optimal Operation of Urban Drainage Systems. *Water Resources Management*, **2020**, 34, 1773-1787	3.7	4
60	CHNS Modeling for Study and Management of Human–Water Interactions at Multiple Scales. *Water (Switzerland)*, **2020**, 12, 1699	3	6
59	Aggregation–Decomposition-Based Multi-Agent Reinforcement Learning for Multi-Reservoir Operations Optimization. *Water (Switzerland)*, **2020**, 12, 2688	3	1
58	Investigating the Role of Gate Operation in Real-Time Flood Control of Urban Drainage Systems. *Advances in Intelligent Systems and Computing*, **2019**, 39-48	0.4	
57	Adaptive forecast-based real-time optimal reservoir operations: application to Lake Urmia. *Journal of Hydroinformatics*, **2019**, 21, 908-924	2.6	14
56	A TOPSIS-Based Multicriteria Approach to the Calibration of a Basin-Scale SWAT Hydrological Model. *Water Resources Management*, **2019**, 33, 439-452	3.7	8
55	SWAT-Based Hydrological Modelling Using Model Selection Criteria. *Water Resources Management*, **2018**, 32, 2181-2197	3.7	10
54	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	3.7	30
53	Real-Time Operation of Pumping Systems for Urban Flood Mitigation: Single-Period vs. Multi-Period Optimization. *Water Resources Management*, **2018**, 32, 4643-4660	3.7	13
52	A Multilevel Uncertainty-Based Approach for Optimal Irrigation Scheduling. *Springer Water*, **2018**, 359-372	0.3	
51	Can smart rainwater harvesting schemes result in the improved performance of integrated urban water systems?. *Environmental Science and Pollution Research*, **2018**, 25, 19271-19282	5.1	16
50	Long-term versus Real-time Optimal Operation for Gate Regulation during Flood in Urban Drainage Systems. *Urban Water Journal*, **2018**, 15, 750-759	2.3	6
49	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	5.4	16

48	Sustainable Basin-Scale Water Allocation with Hydrologic State-Dependent Multi-Reservoir Operation Rules. *Water Resources Management*, **2017**, 31, 3507-3526	3.7	11
47	Multi-Objective Optimization-Simulation for Reliability-Based Inter-Basin Water Allocation. *Water Resources Management*, **2017**, 31, 3445-3464	3.7	27
46	Stochastic Dynamic Programming-Based Approach for Optimal Irrigation Scheduling under Restricted Water Availability Conditions. *Irrigation and Drainage*, **2017**, 66, 492-500	1.1	8
45	Performance Assessment of a Coupled Particle Swarm Optimization and Network Flow Programming Model for Optimum Water Allocation. *Water Resources Management*, **2017**, 31, 4835-4853	3.7	8
44	Economic Optimization of Hydropower Storage Projects Using Alternative Thermal Powerplant Approach. *Advances in Intelligent Systems and Computing*, **2016**, 353-363	0.4	0
43	Automated Calibration and Optimization of Water Planning and Allocation Models: Gilan Case Study. *Journal of Water Resources Planning and Management - ASCE*, **2016**, 142, 05016011	2.8	2
42	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	2.6	14
41	Adaptive Network-Based Fuzzy Inference Systems Coupled with Genetic Algorithms for Predicting Soil Permeability Coefficient. *Neural Processing Letters*, **2016**, 44, 53-79	2.4	16
40	Analysis of recharge conceptualization in inverse groundwater modelling. *Hydrological Sciences Journal*, **2016**, 61, 2789-2801	3.5	8
39	Simulation Optimization for Optimal Sizing of Water Transfer Systems. *Advances in Intelligent Systems and Computing*, **2016**, 365-375	0.4	3
38	A Multi-objective Optimisation Approach to Optimising Water Allocation in Urban Water Systems. *Advances in Intelligent Systems and Computing*, **2016**, 447-457	0.4	
37	Assessing the Role of Foresight on Future Streamflows in Storage-yield-Reliability Analysis of Surface Water Reservoirs. *Procedia Engineering*, **2016**, 154, 1163-1168		0
36	Optimal Design and Operation of Hydraulically Coupled Hydropower Reservoirs System. *Procedia Engineering*, **2016**, 154, 1393-1400		5
35	Linear System Theory-Based Optimization of Detention Basin Location and Size at Watershed Scale. *Journal of Hydrologic Engineering - ASCE*, **2016**, 21, 06016013	1.8	3
34	Ranking of conceptualized groundwater models based on model information criteria **2015**, 64, 670-687		1
33	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	4.3	46
32	Multi-objective reservoir operation under emergency condition: Abbaspour reservoir case study with non-functional spillways. *Journal of Flood Risk Management*, **2014**, 7, 374-384	3.1	7
31	Storage-yield analysis of surface water reservoirs: the role of reliability constraints and operating policies. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 2051-2061	3.5	8

30	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	2.6	23
29	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	3.3	113
28	Probabilistic estimation of irrigation requirement under climate uncertainty using dichotomous and marked renewal processes. *Advances in Water Resources*, **2013**, 53, 263-272	4.7	3
27	Automatic calibration of HEC-HMS using single-objective and multi-objective PSO algorithms. *Hydrological Processes*, **2013**, 27, 4028-4042	3.3	47
26	Coupled stochastic soil moisture simulation-optimization model of deficit irrigation. *Water Resources Research*, **2013**, 49, 4100-4113	5.4	12
25	Stochastic order-based optimal design of a surface reservoir-irrigation district system. *Journal of Hydroinformatics*, **2013**, 15, 591-606	2.6	4
24	Uncertainty-based automatic calibration of HEC-HMS model using sequential uncertainty fitting approach. *Journal of Hydroinformatics*, **2012**, 14, 286-309	2.6	22
23	Optimization-simulation for short-term reservoir operation under flooding conditions **2011**, 60, 434-447		16
22	Stochastic multiobjective reservoir operation under imprecise objectives: multicriteria decision-making approach. *Journal of Hydroinformatics*, **2011**, 13, 110-120	2.6	12
21	Analysis of intra-country virtual water trade strategy to alleviate water scarcity in Iran. *Hydrology and Earth System Sciences*, **2010**, 14, 1417-1433	5.5	36
20	Capacity optimization of hydropower storage projects using particle swarm optimization algorithm. *Journal of Hydroinformatics*, **2010**, 12, 275-291	2.6	27
19	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, 2499-516	12.5	73
18	Adaptive sequentially space-filling metamodeling applied in optimal water quantity allocation at basin scale. *Water Resources Research*, **2010**, 46,	5.4	31
17	A hybrid genetic algorithm-adaptive network-based fuzzy inference system in prediction of wave parameters. *Engineering Applications of Artificial Intelligence*, **2009**, 22, 1194-1202	7.2	62
16	Reliability-Based Simulation-Optimization Model for Multireservoir Hydropower Systems Operations: Khersan Experience. *Journal of Water Resources Planning and Management - ASCE*, **2008**, 134, 24-33	2.8	27
15	Neural-network-based simulation-optimization model for water allocation planning at basin scale. *Journal of Hydroinformatics*, **2008**, 10, 331-343	2.6	26
14	Basin-wide Water Resources Planning by Integrating PSO Algorithm and MODSIM. *Water Resources Management*, **2008**, 22, 1347-1366	3.7	79
13	Inferring operating rules for reservoir operations using fuzzy regression and ANFIS. *Fuzzy Sets and Systems*, **2007**, 158, 1064-1082	3.7	75

12	Fuzzy Optimization Model for Earthwork Allocations with Imprecise Parameters. *Journal of Construction Engineering and Management - ASCE*, **2007**, 133, 181-190	4.2	21
11	Application of fuzzy inference system in the prediction of wave parameters. *Ocean Engineering*, **2005**, 32, 1709-1725	3.9	126
10	Reservoir Operation Using a Dynamic Programming Fuzzy Rule-Based Approach. *Water Resources Management*, **2005**, 19, 655-672	3.7	58
9	A Stochastic Dynamic Programming Model With Fuzzy Storage States Applied to Reservoir Operation Optimization. *AIP Conference Proceedings*, **2004**,	0	1
8	Application of an Interior-Point Algorithm For Optimization of a Large-Scale Reservoir System. *Water Resources Management*, **2004**, 18, 519-540	3.7	6
7	A stochastic dynamic programming model with fuzzy storage states for reservoir operations. *Advances in Water Resources*, **2004**, 27, 1105-1110	4.7	35
6	Fuzzy-State Stochastic Dynamic Programming for Reservoir Operation. *Journal of Water Resources Planning and Management - ASCE*, **2004**, 130, 460-470	2.8	51
5	Optimization and simulation of a multiple reservoir system operation **2004**, 53, 409-424		3
4	Minimizing variance of reservoir systems operations benefits using soft computing tools. *Fuzzy Sets and Systems*, **2003**, 139, 451-461	3.7	44
3	Computational improvement for dynamic programming models by diagnosing infeasible storage combinations. *Advances in Water Resources*, **2003**, 26, 851-859	4.7	14
2	UNCERTAINTY BASED OPERATION OF LARGE SCALE RESERVOIR SYSTEMS: DEZ AND KAROON EXPERIENCE1. *Journal of the American Water Resources Association*, **2003**, 39, 961-975	2.1	14
1	Comparison of Two Data-Driven Streamflow Forecast Approaches in an Adaptive Optimal Reservoir Operation Model		3