Mahdi Zarghami

List of Publications by Year
in descending order

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60	1,677	304368 22	288905 40
papers	citations	h-index	g-index

63	63	63	1791
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determining the Main Factors in Declining the Urmia Lake Level by Using System Dynamics Modeling. Water Resources Management, 2012, 26, 129-145.	1.9	308
2	Impacts of climate change on runoffs in East Azerbaijan, Iran. Global and Planetary Change, 2011, 78, 137-146.	1.6	132
3	Effective watershed management; Case study of Urmia Lake, Iran. Lake and Reservoir Management, 2011, 27, 87-94.	0.4	116
4	System dynamics modeling for complex urban water systems: Application to the city of Tabriz, Iran. Resources, Conservation and Recycling, 2012, 60, 99-106.	5.3	93
5	A new bankruptcy method for conflict resolution in water resources allocation. Journal of Environmental Management, 2014, 144, 152-159.	3.8	74
6	A fuzzy-stochastic OWA model for robust multi-criteria decision making. Fuzzy Optimization and Decision Making, 2008, 7, 1-15.	3.4	57
7	Multi-criteria Decision Making for Integrated Urban Water Management. Water Resources Management, 2008, 22, 1017-1029.	1.9	56
8	Stochastic-fuzzy multi criteria decision making for robust water resources management. Stochastic Environmental Research and Risk Assessment, 2009, 23, 329-339.	1.9	56
9	Localization of Groundwater Vulnerability Assessment Using Catastrophe Theory. Water Resources Management, 2016, 30, 4585-4601.	1.9	52
10	Nash bargaining and leaderâ€“follower models in water allocation: Application to the Zarrinehrud River basin, Iran. Applied Mathematical Modelling, 2014, 38, 1959-1968.	2.2	47
11	Revising the OWA operator for multi criteria decision making problems under uncertainty. European Journal of Operational Research, 2009, 198, 259-265.	3.5	43
12	Urban Water Management Using Fuzzy-Probabilistic Multi-Objective Programming with Dynamic Efficiency. Water Resources Management, 2010, 24, 4491-4504.	1.9	38
13	Multi-Objective Reservoir Operation with Sediment Flushing; Case Study of Sefidrud Reservoir. Water Resources Management, 2014, 28, 5357-5376.	1.9	37
14	Integrated Water Resources Management in Polrud Irrigation System. Water Resources Management, 2006, 20, 215-225.	1.9	31
15	Fuzzy quantifiers in sensitivity analysis of OWA operator. Computers and Industrial Engineering, 2008, 54, 1006-1018.	3.4	31
16	Extended OWA Operator for Group Decision Making on Water Resources Projects. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 266-275.	1.3	29
17	Multicriteria Analysis. , 2011, , .		29
18	The Use of Statistical Weather Generator, Hybrid Data Driven and System Dynamics Models for Water Resources Management under Climate Change. Journal of Environmental Informatics, 2015, 25, 23-35.	6.0	29

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19	Application of risk-based multiple criteria decision analysis for selection of the best agricultural scenario for effective watershed management. Journal of Environmental Management, 2016, 168, 260-272.	3.8	27
20	Should water supply for megacities depend on outside resources? A Monte-Carlo system dynamics simulation for Shiraz, Iran. Sustainable Cities and Society, 2019, 44, 163-170.	5.1	27
21	Nonlinear Interval Parameter Programming Combined with Cooperative Games: a Tool for Addressing Uncertainty in Water Allocation Using Water Diplomacy Framework. Water Resources Management, 2015, 29, 4285-4303.	1.9	26
22	Water supply management using an extended group fuzzy decision-making method: a case study in north-eastern Iran. Applied Water Science, 2015, 5, 291-304.	2.8	26
23	Urban water resources planning by using a modified particle swarm optimization algorithm. Resources, Conservation and Recycling, 2013, 70, 1-8.	5.3	25
24	Soft computing of the Borda count by fuzzy linguistic quantifiers. Applied Soft Computing Journal, 2011, 11, 1067-1073.	4.1	24
25	Simulating hedging rules for effective reservoir operation by using system dynamics: a case study of Dez Reservoir, Iran. Lake and Reservoir Management, 2013, 29, 126-140.	0.4	22
26	On the relation between Compromise Programming and Ordered Weighted Averaging operator. Information Sciences, 2010, 180, 2239-2248.	4.0	21
27	An uncertain agent-based model for socio-ecological simulation of groundwater use in irrigation: A case study of Lake Urmia Basin, Iran. Agricultural Water Management, 2021, 249, 106796.	2.4	20
28	Sustainability assessment of restoration plans under climate change by using system dynamics: application on Urmia Lake, Iran. Journal of Water and Climate Change, 2019, 10, 938-952.	1.2	19
29	Process Mining Approach of a New Water Quality Index for Long-Term Assessment under Uncertainty Using Consensus-Based Fuzzy Decision Support System. Water Resources Management, 2020, 34, 1155-1172.	1.9	17
30	Fuzzy Multiple Attribute Decision Making on Water Resources Projects Case Study: Ranking Water Transfers to Zayanderud Basin in Iran. Water International, 2007, 32, 280-293.	0.4	16
31	Combining Monte Carlo and finite difference methods for effective simulation of dam behavior. Advances in Engineering Software, 2012, 45, 197-202.	1.8	16
32	Sensitivity Analysis of the OWA Operator. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 547-552.	5.5	15
33	Intelligent multi-stakeholder environmental management. Expert Systems With Applications, 2011, 38, 862-866.	4.4	15
34	System dynamics to assess the effectiveness of restoration scenarios for the Urmia Lake: A prey-predator approach for the human-environment uncertain interactions. Journal of Hydrology, 2021, 593, 125891.	2.3	15
35	A new approach to combine climate change projections by ordered weighting averaging operator; applications to northwestern provinces of Iran. Global and Planetary Change, 2013, 102, 41-50.	1.6	13
36	Risk-based evaluation of wastewater treatment projects: A case study in Niasar city, Iran. Resources, Conservation and Recycling, 2014, 93, 168-177.	5.3	13

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37	Reservoir operation using system dynamics under climate change impacts: a case study of Yamchi reservoir, Iran. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	11
38	A System Dynamics Approach to Simulate the Restoration Plans for Urmia Lake, Iran. , 2017, , 309-326.		7
39	Evaluating the uncertainty of urban flood model using glue approach. Urban Water Journal, 2022, 19, 600-615.	1.0	6
40	Optimal Control of EGR System in Gasoline Engine Based on Gaussian Process. IFAC-PapersOnLine, 2017, 50, 3750-3755.	0.5	5
41	Introduction to Multicriteria Decision Analysis. , 2011, , 1-12.		4
42	Reproductive stages of the Ponto-Caspian amphipod, Pontogammarus maeoticus (Sowinsky, 1894) (Amphipoda,ÂPontogammaridae). Crustaceana, 2013, 86, 1070-1083.	0.1	4
43	A novel hybrid systemic modeling into sustainable dynamic urban water metabolism management: Case study. Sustainable Cities and Society, 2022, 85, 104065.	5.1	4
44	Water Distribution Networks Designing by the Multiobjective Genetic Algorithm and Game Theory. , 2013, , 99-119.		3
45	Model-based predictive control of wheeled omni-directional robots considering nonlinear dynamical constraints and input delay. , 2014, , .		3
46	Addressing the supply-demand gap in shared rivers using water diplomacy framework: utility of game theory in the Indus river within Pakistan. Water Policy, 2020, 22, 789-810.	0.7	3
47	An effective technique of simultaneous fuel consumption and torque error reductions in spark ignition engines. , 2015, , .		2
48	Performance enhancement of spark ignition engines by using fractional order controller. , 2016, , .		2
49	Sensitivity analysis of the ordered weighted averaging operator via linear models. Computers and Industrial Engineering, 2017, 112, 264-273.	3.4	2
50	An Integrated System Dynamics Model to Predict the Effects of Management Scenarios on Economic Assessment of Water and Soil Resources in Hableh-Rud River Basin, Iran. Advances in Science, Technology and Innovation, 2021, , 25-36.	0.2	2
51	Fractional Order Set Point Regulator Using Reset Control. , 2017, , .		1
52	Soft Computing in Water Resources Management by Using OWA Operator. Studies in Fuzziness and Soft Computing, 2011, , 269-279.	0.6	1
53	Assessing coalition in meeting environmental flow based on Shapley value and nash equilibrium: case study Aras River. International Journal of Environmental Science and Technology, 0, , 1.	1.8	1
54	The Hierarchy of the Criteria. , 2011, , 13-20.		0

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55	Fast and precise positioning of wheeled Omni-directional robot with input delay using model-based predictive control. , 2014, , .		0
56	Disaggregating radar-derived rainfall measurements in East Azarbaijan, Iran, using a spatial random-cascade model. Theoretical and Applied Climatology, 2017, 129, 427-435.	1.3	0
57	NEW APPROACH IN OBTAINING OWA WEIGHTS FOR MULTI CRITERIA DECISION MAKING. , 2008, , .		0
58	Social Choice Methods. , 2011, , 77-93.		0
59	Solution of Discrete MCDA Problems. , 2011, , 21-49.		0
60	A novel analysis of critical water pollution in the transboundary Aras River using the Sentinel-2 satellite images and ANNs. International Journal of Environmental Science and Technology, 0, , 1.	1.8	0