

# Mohammad Ali Olyaei

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	1,209 citations	22 h-index	33 g-index
64 ext. papers	1,418 ext. citations	3.1 avg, IF	4.77 L-index

#	Paper	IF	Citations
56	Pressure Management Model for Urban Water Distribution Networks. <i>Water Resources Management</i> , <b>2010</b> , 24, 437-458	3.7	94
55	Developing a master plan for hospital solid waste management: a case study. <i>Waste Management</i> , <b>2007</b> , 27, 626-38	8.6	71
54	Analysis of the Effects of Climate Change on Urban Storm Water Runoff Using Statistically Downscaled Precipitation Data and a Change Factor Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 05014022	1.8	65
53	Development of a Hybrid Index for Drought Prediction: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2009</b> , 14, 617-627	1.8	58
52	Optimal reservoir operation considering the water quality issues: A stochastic conflict resolution approach. <i>Water Resources Research</i> , <b>2006</b> , 42,	5.4	56
51	Grain yield reliability analysis with crop water demand uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2006</b> , 20, 259-277	3.5	53
50	Improvement of Urban Drainage System Performance under Climate Change Impact: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2011</b> , 16, 395-412	1.8	52
49	Selecting Appropriate Project Delivery System: Fuzzy Approach with Risk Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 923-930	4.2	52
48	Design of on-line river water quality monitoring systems using the entropy theory: a case study. <i>Environmental Monitoring and Assessment</i> , <b>2009</b> , 155, 63-81	3.1	47
47	Design of River Water Quality Monitoring Networks: A Case Study. <i>Environmental Modeling and Assessment</i> , <b>2009</b> , 14, 705-714	2	44
46	On the relationship of regional meteorological drought with SOI and NAO over southwest Iran. <i>Theoretical and Applied Climatology</i> , <b>2010</b> , 100, 57-66	3	37
45	Long-lead probabilistic forecasting of streamflow using ocean-atmospheric and hydrological predictors. <i>Water Resources Research</i> , <b>2006</b> , 42,	5.4	33
44	Integrated Planning of Land Use and Water Allocation on a Watershed Scale Considering Social and Water Quality Issues. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2012</b> , 138, 671-681	2.8	32
43	Input data selection for solar radiation estimation. <i>Hydrological Processes</i> , <b>2009</b> , 23, 2754-2764	3.3	32
42	A Fuzzy Stochastic Dynamic Nash Game Analysis of Policies for Managing Water Allocation in a Reservoir System. <i>Water Resources Management</i> , <b>2008</b> , 22, 51-66	3.7	32
41	Interbasin Water Transfer: Economic Water Quality-Based Model. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2010</b> , 136, 90-98	1.1	31
40	Progress and Recommendations for Advancing Performance-Based Sustainable and Resilient Infrastructure Design. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141,	2.8	30

39	Long-lead seasonal rainfall forecasting using time-delay recurrent neural networks: a case study. <i>Hydrological Processes</i> , <b>2008</b> , 22, 229-241	3.3	29
38	A new stochastic optimization model for deficit irrigation. <i>Irrigation Science</i> , <b>2006</b> , 25, 63-73	3.1	27
37	Drought Mitigation through Long-Term Operation of Reservoirs: Case Study. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2008</b> , 134, 471-478	1.1	25
36	Development of Optimization Schemes for Floodplain Management; A Case Study. <i>Water Resources Management</i> , <b>2009</b> , 23, 1743-1761	3.7	24
35	Robust Methods for Identifying Optimal Reservoir Operation Strategies Using Deterministic and Stochastic Formulations. <i>Water Resources Management</i> , <b>2010</b> , 24, 2527-2552	3.7	22
34	Building Infrastructure Resilience in Coastal Flood Risk Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2019</b> , 145, 04019004	2.8	20
33	Uncertainty-based flood resiliency evaluation of wastewater treatment plants. <i>Journal of Hydroinformatics</i> , <b>2016</b> , 18, 990-1006	2.6	19
32	Integration of inland and coastal storms for flood hazard assessment using a distributed hydrologic model. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	18
31	Assessment of Sustainability in Water Supply-Demand Considering Uncertainties. <i>Water Resources Management</i> , <b>2017</b> , 31, 3761-3778	3.7	17
30	Coastal Flood Damage Estimator: An Alternative to FEMA's HAZUS Platform. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 04016016	1.1	16
29	Evaluation of floodplain variability considering impacts of climate change. <i>Hydrological Processes</i> , <b>2011</b> , 25, 90-103	3.3	15
28	Quantifying Resilience and Uncertainty in Coastal Flooding Events: Framework for Assessing Urban Vulnerability. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04016071	2.8	14
27	Algorithm for Assessment of Water Distribution System's Readiness: Planning for Disasters. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2009</b> , 135, 244-252	2.8	14
26	Adaptive Neural Networks for Flood Routing in River Systems. <i>Water International</i> , <b>2007</b> , 32, 360-375	2.4	14
25	DEM Resolution Effects on Coastal Flood Vulnerability Assessment: Deterministic and Probabilistic Approach. <i>Water Resources Research</i> , <b>2018</b> , 54, 4965-4982	5.4	14
24	An uncertainty-based framework to quantifying climate change impacts on coastal flood vulnerability: case study of New York City. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 567	3.1	11
23	Modeling DEM Errors in Coastal Flood Inundation and Damages: A Spatial Nonstationary Approach. <i>Water Resources Research</i> , <b>2019</b> , 55, 6606-6624	5.4	11
22	Crop pattern and conjunctive use management: A case study. <i>Irrigation and Drainage</i> , <b>2008</b> , 59, n/a-n/a	1.1	8

21	Distributed Hydrologic Modeling of Coastal Flood Inundation and Damage: Nonstationary Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2017</b> , 143, 04017019	1.1	7
20	Conceptual Design Framework for Coastal Flood Best Management Practices. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 04020041	2.8	7
19	Groundwater Level Modeling with Machine Learning: A Systematic Review and Meta-Analysis. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 949	3	6
18	Evaluation of climate change impacts on streamflow to a multiple reservoir system using a data-based mechanistic model. <i>Journal of Water and Climate Change</i> , <b>2014</b> , 5, 610-624	2.3	5
17	Development of a master plan for industrial solid waste management. <i>International Journal of Environmental Science and Technology</i> , <b>2006</b> , 3, 229-242	3.3	5
16	Groundwater Hydrology		4
15	Evaluating three non-gauge-corrected satellite precipitation estimates by a regional gauge interpolated dataset over Iran. <i>Journal of Hydrology: Regional Studies</i> , <b>2021</b> , 38, 100942	3.6	4
14	Uncertainty based budget allocation of wastewater infrastructures' flood resiliency considering interdependencies. <i>Journal of Hydroinformatics</i> , <b>2020</b> , 22, 768-792	2.6	4
13	Uncertain Water Balance-Based Sustainability Index of Supply and Demand. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147, 04021015	2.8	4
12	Vulnerability Assessment of Drinking Water Distribution Networks to Chemical and Biological Contaminations: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 06017003	2.8	3
11	Margin of Safety Based Flood Reliability Evaluation of Wastewater Treatment Plants: Part 2-Quantification of Reliability Attributes. <i>Water Resources Management</i> , <b>2020</b> , 34, 2043-2059	3.7	3
10	Developing a Model for Optimizing the Geometric Characteristics of Water Diversion Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 04017062	1.1	3
9	Dynamic Water Balance Accounting-Based Vulnerability Evaluation Considering Social Aspects. <i>Water Resources Management</i> , <b>2022</b> , 36, 659-681	3.7	2
8	Margin of Safety Based Flood Reliability Evaluation of Wastewater Treatment Plants: Part 1 [Basic Concepts and Statistical Settings. <i>Water Resources Management</i> , <b>2020</b> , 34, 579-594	3.7	2
7	A risk-based groundwater modeling framework in coastal aquifers: a case study on Long Island, New York, USA. <i>Hydrogeology Journal</i> , <b>2020</b> , 28, 2519-2541	3.1	2
6	Dynamics of Water Allocation: Tradeoffs between Allocator and Farmers [Benefits of Irrigation Practices. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2021</b> , 147,	1.1	2
5	DEM Uncertainty Based Coastal Flood Inundation Modeling Considering Water Quality Impacts. <i>Water Resources Management</i> , <b>2021</b> , 35, 3083-3103	3.7	2
4	A Quantitative and Qualitative Framework for Reliability Assessment of Waste Water Treatment Plants Under Coastal Flooding. <i>International Journal of Environmental Research</i> , <b>2019</b> , 13, 21-33	2.9	2

3	Ensemble generation for hurricane hazard assessment along the United States Atlantic coast. <i>Coastal Engineering</i> , <b>2021</b> , 169, 103956	4.8	2
2	A Spatial Non-Stationary Based Site Selection of Artificial Groundwater Recharge: a Case Study for Semi-Arid Regions. <i>Water Resources Management</i> , <b>2021</b> , 35, 963-978	3.7	1
1	Application of meteorological, hydrological and remote sensing data to develop a hybrid index for drought assessment. <i>Hydrological Sciences Journal</i> , 1-22	3.5	