

Mohammad Ali Olyaei

List of Publications by Year in Descending Order

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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	Dynamic Water Balance Accounting-Based Vulnerability Evaluation Considering Social Aspects. <i>Water Resources Management</i> , 2022 , 36, 659-681	3.7	2
55	Groundwater Level Modeling with Machine Learning: A Systematic Review and Meta-Analysis. <i>Water (Switzerland)</i> , 2022 , 14, 949	3	6
54	Evaluating three non-gauge-corrected satellite precipitation estimates by a regional gauge interpolated dataset over Iran. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 38, 100942	3.6	4
53	Uncertain Water Balance-Based Sustainability Index of Supply and Demand. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021015	2.8	4
52	Dynamics of Water Allocation: Tradeoffs between Allocator and Farmers Benefits of Irrigation Practices. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147,	1.1	2
51	DEM Uncertainty Based Coastal Flood Inundation Modeling Considering Water Quality Impacts. <i>Water Resources Management</i> , 2021 , 35, 3083-3103	3.7	2
50	A Spatial Non-Stationary Based Site Selection of Artificial Groundwater Recharge: a Case Study for Semi-Arid Regions. <i>Water Resources Management</i> , 2021 , 35, 963-978	3.7	1
49	Ensemble generation for hurricane hazard assessment along the United States Atlantic coast. <i>Coastal Engineering</i> , 2021 , 169, 103956	4.8	2
48	Margin of Safety Based Flood Reliability Evaluation of Wastewater Treatment Plants: Part 2- Quantification of Reliability Attributes. <i>Water Resources Management</i> , 2020 , 34, 2043-2059	3.7	3
47	Conceptual Design Framework for Coastal Flood Best Management Practices. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020041	2.8	7
46	Margin of Safety Based Flood Reliability Evaluation of Wastewater Treatment Plants: Part 1 Basic Concepts and Statistical Settings. <i>Water Resources Management</i> , 2020 , 34, 579-594	3.7	2
45	A risk-based groundwater modeling framework in coastal aquifers: a case study on Long Island, New York, USA. <i>Hydrogeology Journal</i> , 2020 , 28, 2519-2541	3.1	2
44	Uncertainty based budget allocation of wastewater infrastructures' flood resiliency considering interdependencies. <i>Journal of Hydroinformatics</i> , 2020 , 22, 768-792	2.6	4
43	Building Infrastructure Resilience in Coastal Flood Risk Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 04019004	2.8	20
42	Modeling DEM Errors in Coastal Flood Inundation and Damages: A Spatial Nonstationary Approach. <i>Water Resources Research</i> , 2019 , 55, 6606-6624	5.4	11
41	A Quantitative and Qualitative Framework for Reliability Assessment of Waste Water Treatment Plants Under Coastal Flooding. <i>International Journal of Environmental Research</i> , 2019 , 13, 21-33	2.9	2
40	Developing a Model for Optimizing the Geometric Characteristics of Water Diversion Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018 , 144, 04017062	1.1	3

39	DEM Resolution Effects on Coastal Flood Vulnerability Assessment: Deterministic and Probabilistic Approach. <i>Water Resources Research</i> , 2018 , 54, 4965-4982	5.4	14
38	Vulnerability Assessment of Drinking Water Distribution Networks to Chemical and Biological Contaminations: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 06017003	2.8	3
37	Distributed Hydrologic Modeling of Coastal Flood Inundation and Damage: Nonstationary Approach. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017 , 143, 04017019	1.1	7
36	Assessment of Sustainability in Water Supply-Demand Considering Uncertainties. <i>Water Resources Management</i> , 2017 , 31, 3761-3778	3.7	17
35	Integration of inland and coastal storms for flood hazard assessment using a distributed hydrologic model. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	18
34	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> , 2017 , 189, 567	3.1	11
33	Quantifying Resilience and Uncertainty in Coastal Flooding Events: Framework for Assessing Urban Vulnerability. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04016071	2.8	14
32	Coastal Flood Damage Estimator: An Alternative to FEMA's HAZUS Platform. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016 , 142, 04016016	1.1	16
31	Uncertainty-based flood resiliency evaluation of wastewater treatment plants. <i>Journal of Hydroinformatics</i> , 2016 , 18, 990-1006	2.6	19
30	Progress and Recommendations for Advancing Performance-Based Sustainable and Resilient Infrastructure Design. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141,	2.8	30
29	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> , 2015 , 20, 05014022	1.8	65
28	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> , 2014 , 5, 610-624	2.3	5
27	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> , 2012 , 138, 671-681	2.8	32
26	Improvement of Urban Drainage System Performance under Climate Change Impact: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 395-412	1.8	52
25	Evaluation of floodplain variability considering impacts of climate change. <i>Hydrological Processes</i> , 2011 , 25, 90-103	3.3	15
24	Selecting Appropriate Project Delivery System: Fuzzy Approach with Risk Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 923-930	4.2	52
23	Interbasin Water Transfer: Economic Water Quality-Based Model. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010 , 136, 90-98	1.1	31
22	On the relationship of regional meteorological drought with SOI and NAO over southwest Iran. <i>Theoretical and Applied Climatology</i> , 2010 , 100, 57-66	3	37

21	Pressure Management Model for Urban Water Distribution Networks. <i>Water Resources Management</i> , 2010 , 24, 437-458	3.7	94
20	Robust Methods for Identifying Optimal Reservoir Operation Strategies Using Deterministic and Stochastic Formulations. <i>Water Resources Management</i> , 2010 , 24, 2527-2552	3.7	22
19	Input data selection for solar radiation estimation. <i>Hydrological Processes</i> , 2009 , 23, 2754-2764	3.3	32
18	Design of on-line river water quality monitoring systems using the entropy theory: a case study. <i>Environmental Monitoring and Assessment</i> , 2009 , 155, 63-81	3.1	47
17	Design of River Water Quality Monitoring Networks: A Case Study. <i>Environmental Modeling and Assessment</i> , 2009 , 14, 705-714	2	44
16	Development of Optimization Schemes for Floodplain Management; A Case Study. <i>Water Resources Management</i> , 2009 , 23, 1743-1761	3.7	24
15	Development of a Hybrid Index for Drought Prediction: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 617-627	1.8	58
14	Algorithm for Assessment of Water Distribution System's Readiness: Planning for Disasters. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009 , 135, 244-252	2.8	14
13	Drought Mitigation through Long-Term Operation of Reservoirs: Case Study. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008 , 134, 471-478	1.1	25
12	A Fuzzy Stochastic Dynamic Nash Game Analysis of Policies for Managing Water Allocation in a Reservoir System. <i>Water Resources Management</i> , 2008 , 22, 51-66	3.7	32
11	Long-lead seasonal rainfall forecasting using time-delay recurrent neural networks: a case study. <i>Hydrological Processes</i> , 2008 , 22, 229-241	3.3	29
10	Crop pattern and conjunctive use management: A case study. <i>Irrigation and Drainage</i> , 2008 , 59, n/a-n/a	1.1	8
9	Developing a master plan for hospital solid waste management: a case study. <i>Waste Management</i> , 2007 , 27, 626-38	8.6	71
8	Adaptive Neural Networks for Flood Routing in River Systems. <i>Water International</i> , 2007 , 32, 360-375	2.4	14
7	A new stochastic optimization model for deficit irrigation. <i>Irrigation Science</i> , 2006 , 25, 63-73	3.1	27
6	Development of a master plan for industrial solid waste management. <i>International Journal of Environmental Science and Technology</i> , 2006 , 3, 229-242	3.3	5
5	Long-lead probabilistic forecasting of streamflow using ocean-atmospheric and hydrological predictors. <i>Water Resources Research</i> , 2006 , 42,	5.4	33
4	Optimal reservoir operation considering the water quality issues: A stochastic conflict resolution approach. <i>Water Resources Research</i> , 2006 , 42,	5.4	56

3	Grain yield reliability analysis with crop water demand uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2006 , 20, 259-277	3.5	53
2	Groundwater Hydrology		4
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	