

# Azizallah Izady

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

411  
citations

686830

13  
h-index

794141

19  
g-index

30  
all docs

30  
docs citations

30  
times ranked

385  
citing authors

#	ARTICLE	IF	CITATIONS
1	A coupled agent-based risk-based optimization model for integrated urban water management. <i>Sustainable Cities and Society</i> , 2020, 53, 101922.	5.1	39
2	Application of NN-ARX Model to Predict Groundwater Levels in the Neishaboore Plain, Iran. <i>Water Resources Management</i> , 2013, 27, 4773-4794.	1.9	34
3	An efficient surrogate-based simulation-optimization method for calibrating a regional MODFLOW model. <i>Journal of Hydrology</i> , 2017, 544, 591-603.	2.3	33
4	A framework toward developing a groundwater conceptual model. <i>Arabian Journal of Geosciences</i> , 2014, 7, 3611-3631.	0.6	30
5	A surrogate-based sensitivity quantification and Bayesian inversion of a regional groundwater flow model. <i>Journal of Hydrology</i> , 2018, 557, 826-837.	2.3	29
6	Groundwater recharge estimation in arid hardrockâ€“alluvium aquifers using combined waterâ€“table fluctuation and groundwater balance approaches. <i>Hydrological Processes</i> , 2017, 31, 3437-3451.	1.1	18
7	A critical review of environmental and public health impacts from the activities of evaporation ponds. <i>Science of the Total Environment</i> , 2021, 796, 149065.	3.9	18
8	Fuzzy Multi-Objective Simulation-Optimization of Stepped Spillways Considering Flood Uncertainty. <i>Water Resources Management</i> , 2019, 33, 2261-2275.	1.9	17
9	Mapping groundwater recharge areas using CRD and RIB methods in the semi-arid Neishaboore Plain, Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2921-2935.	0.6	15
10	A novel hybrid entropy-clustering approach for optimal placement of pressure sensors for leakage detection in water distribution systems under uncertainty. <i>Urban Water Journal</i> , 2020, 17, 185-198.	1.0	15
11	Stochastic Techno-economic Analysis of CO <sub>2</sub> -circulated Geothermal Energy Production in a Closed Reservoir System. <i>Geothermics</i> , 2021, 96, 102202.	1.5	15
12	Groundwater Modeling and Sustainability of a Transboundary Hardrockâ€“Alluvium Aquifer in North Oman Mountains. <i>Water (Switzerland)</i> , 2017, 9, 161.	1.2	14
13	Development and surrogate-based calibration of a CO <sub>2</sub> reservoir model. <i>Journal of Hydrology</i> , 2020, 586, 124798.	2.3	14
14	Risk-based Stochastic Optimization of Evaporation Ponds as a Cost-Effective and Environmentally-Friendly Solution for the Disposal of Oil-Produced Water. <i>Journal of Water Process Engineering</i> , 2020, 38, 101607.	2.6	13
15	A review of geothermal energy status and potentials in Middle-East countries. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	12
16	Evaluation of CO <sub>2</sub> sequestration and circulation in fault-bounded thin geothermal reservoirs in North Oman using response surface methods. <i>Journal of Hydrology</i> , 2021, 598, 126411.	2.3	12
17	Deriving optimal operational policies for off-stream man-made reservoir considering conjunctive use of surface- and groundwater at the Bar dam reservoir (Iran). <i>Journal of Hydrology: Regional Studies</i> , 2020, 31, 100725.	1.0	11
18	A novel CVaR-based conflict resolution model for optimal allocation of treated wastewater under bankruptcy conditions. <i>Journal of Cleaner Production</i> , 2020, 252, 119766.	4.6	10

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19	A Novel Approach to Modeling Wastewater Evaporation Based on Dimensional Analysis. <i>Water Resources Management</i> , 2016, 30, 2801-2814.	1.9	9
20	Modeling the transport of nitrate and natural multi-sized colloids in natural soil and soil amended with vermicompost. <i>Geoderma</i> , 2019, 354, 113889.	2.3	9
21	Estimation of air-flow parameters and turbulent intensity in hydraulic jump on rough bed using Bayesian model averaging. <i>Applied Soft Computing Journal</i> , 2021, 103, 107165.	4.1	9
22	Nutrient and colloid leaching from un-amended versus vermicompost-amended soil. <i>Soil and Tillage Research</i> , 2021, 213, 105092.	2.6	8
23	Oxygenation of aquifers with fluctuating water table: A laboratory and modeling study. <i>Journal of Hydrology</i> , 2020, 590, 125261.	2.3	7
24	Optimal Water Allocation from Subsurface Dams: A Risk-Based Optimization Approach. <i>Water Resources Management</i> , 2021, 35, 4275-4290.	1.9	5
25	A scenario-based coupled SWAT-MODFLOW decision support system for advanced water resource management. <i>Journal of Hydroinformatics</i> , 2022, 24, 56-77.	1.1	5
26	Conflict resolution in the multi-stakeholder stepped spillway design under uncertainty by machine learning techniques. <i>Applied Soft Computing Journal</i> , 2021, 110, 107721.	4.1	4
27	Use closed reservoirs for CO2 storage and heat recovery: A two-stage brine-extraction and CO2-circulation strategy. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102346.	1.7	3
28	A coupled water allocation simulation optimization model to advance agricultural water management. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	2
29	Assessment of integrated CO2 geologic storage and geothermal harvest in a semi-closed thin reservoir. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101773.	1.7	1
30	Recharge Estimation of Hardrock-Alluvium Al-Fara Aquifer, Oman Using Multiple Methods. <i>Advances in Science, Technology and Innovation</i> , 2019, , 313-315.	0.2	0