

# Mehdi Azhdary Moghaddam

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

545  
citations

758635

12  
h-index

642321

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

466  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new efficient simulation method to approximate the probability of failure and most probable point. <i>Structural Safety</i> , 2012, 39, 22-29.	2.8	123
2	A simulation-based method for reliability based design optimization problems with highly nonlinear constraints. <i>Automation in Construction</i> , 2014, 47, 24-36.	4.8	64
3	Discharge coefficient and energy dissipation over stepped spillway under skimming flow regime. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1174-1182.	0.9	51
4	Prediction of annual drinking water quality reduction based on Groundwater Resource Index using the artificial neural network and fuzzy clustering. <i>Journal of Contaminant Hydrology</i> , 2019, 220, 6-17.	1.6	43
5	Concrete compressive strength prediction using non-destructive tests through response surface methodology. <i>Ain Shams Engineering Journal</i> , 2020, 11, 939-949.	3.5	41
6	Water Quality Planning in Rivers: Assimilative Capacity and Dilution Flow. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017, 99, 531-541.	1.3	38
7	Spatial assessment of the potential of groundwater quality using fuzzy AHP in GIS. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	26
8	A refined subset simulation for the reliability analysis using the subset control variate. <i>Structural Safety</i> , 2020, 87, 102002.	2.8	25
9	Hydro-geochemical characteristics and groundwater quality assessment in Iranshahr plain aquifer, Iran. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	20
10	Closure to "A new efficient simulation method to approximate the probability of failure and most probable point" (Struct. Safety 2012:39:22-29). <i>Structural Safety</i> , 2014, 46, 15-16.	2.8	19
11	Anomaly Detection and Reliability Analysis of Groundwater by Crude Monte Carlo and Importance Sampling Approaches. <i>Water Resources Management</i> , 2018, 32, 4447-4467.	1.9	13
12	Concrete Compressive Strength Prediction Using Neural Networks Based on Non-destructive Tests and a Self-calibrated Response Surface Methodology. <i>Journal of Nondestructive Evaluation</i> , 2020, 39, 1.	1.1	13
13	Modeling Short Term Rainfall Forecast Using Neural Networks, and Gaussian Process Classification Based on the SPI Drought Index. <i>Water Resources Management</i> , 2020, 34, 1369-1405.	1.9	13
14	Subset simulation method including fitness-based seed selection for reliability analysis. <i>Engineering With Computers</i> , 2021, 37, 2689-2705.	3.5	11
15	Reliability mesh convergence analysis by introducing expanded control variates. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1012-1023.	1.2	8
16	The calculation of the reliability index in nonlinear problems: A new method. <i>Ain Shams Engineering Journal</i> , 2020, 11, 705-716.	3.5	6
17	Control of bed scour downstream of ski-jump spillway by combination of six-legged concrete elements and riprap. <i>Ain Shams Engineering Journal</i> , 2020, 11, 1047-1059.	3.5	6
18	Reservoir quality management with CE-QUAL-W2/ANN surrogate model and PSO algorithm (case study: Tj ETQq0 0,0 rgBT /Qverlock 10		

#	ARTICLE	IF	CITATIONS
19	Analysis of drought recurrence conditions using first-order reliability method. International Journal of Environmental Science and Technology, 2019, 16, 4471-4482.	1.8	5
20	System-level reliability sensitivity analysis by using weighted average simulation method. Quality and Reliability Engineering International, 2019, 35, 1826-1845.	1.4	5
21	Large-scale association analysis of climate drought and decline in groundwater quantity using Gaussian process classification (case study: 609 study area of Iran). Journal of Environmental Health Science & Engineering, 2018, 16, 129-145.	1.4	3
22	An image processing approach for investigation on transport of iron oxide nanoparticles (FE <sub>3</sub> O <sub>4</sub> ) stabilized with poly acrylic acid in two-dimensional porous media. Journal of Contaminant Hydrology, 2018, 211, 77-84.	1.6	2
23	Prediction of scour depth downstream of the flip bucket with machine learning techniques. Water Management, 2022, 175, 178-189.	0.4	2
24	Analysis, Design and Reliability of a Simple Surge Tank. , 2004, , 1.		1
25	Evaluation of Cavitation Occurrence Based on Reliability in Chute Spillways by Using First Order Reliable Method and Monte Carlo Simulation Method from 18 Spillways Laboratory Models, Iran. KSCE Journal of Civil Engineering, 2020, 24, 1169-1182.	0.9	1
26	Buried Wing Versus Wing Wall as Abutments and Spur Dykes Scour Countermeasure. Asian Journal of Applied Sciences, 2012, 5, 192-204.	0.4	0