

# 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	Prediction of scour depth downstream of the flip bucket with machine learning techniques. <i>Water Management</i> , 2022, 175, 178-189.	0.4	2
2	Subset simulation method including fitness-based seed selection for reliability analysis. <i>Engineering With Computers</i> , 2021, 37, 2689-2705.	3.5	11
3	Reservoir quality management with CE-QUAL-W2/ANN surrogate model and PSO algorithm (case study: Tj ETQq1 1 0.784314 rgBT /0.6	0.6	6
4	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
5	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
6	A refined subset simulation for the reliability analysis using the subset control variate. <i>Structural Safety</i> , 2020, 87, 102002.	2.8	25
7	Reliability mesh convergence analysis by introducing expanded control variates. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1012-1023.	1.2	8
8	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
9	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
10	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
11	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. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 1169-1182.	0.9	1
12	Analysis of drought recurrence conditions using first-order reliability method. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4471-4482.	1.8	5
13	System-level reliability sensitivity analysis by using weighted average simulation method. <i>Quality and Reliability Engineering International</i> , 2019, 35, 1826-1845.	1.4	5
14	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
15	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
16	An image processing approach for investigation on transport of iron oxide nanoparticles (FE3O4) stabilized with poly acrylic acid in two-dimensional porous media. <i>Journal of Contaminant Hydrology</i> , 2018, 211, 77-84.	1.6	2
17	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
18	Large-scale association analysis of climate drought and decline in groundwater quantity using Gaussian process classification (case study: 609 study area of Iran). <i>Journal of Environmental Health Science &amp; Engineering</i> , 2018, 16, 129-145.	1.4	3

#	ARTICLE	IF	CITATIONS
19	Water Quality Planning in Rivers: Assimilative Capacity and Dilution Flow. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 531-541.	1.3	38
20	Hydro-geochemical characteristics and groundwater quality assessment in Iranshahr plain aquifer, Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	20
21	Discharge coefficient and energy dissipation over stepped spillway under skimming flow regime. KSCE Journal of Civil Engineering, 2015, 19, 1174-1182.	0.9	51
22	Closure to a new efficient simulation method to approximate the probability of failure and most probable point (Struct. Safety 2012:39:22-29). Structural Safety, 2014, 46, 15-16.	2.8	19
23	A simulation-based method for reliability based design optimization problems with highly nonlinear constraints. Automation in Construction, 2014, 47, 24-36.	4.8	64
24	A new efficient simulation method to approximate the probability of failure and most probable point. Structural Safety, 2012, 39, 22-29.	2.8	123
25	Buried Wing Versus Wing Wall as Abutments and Spur Dykes Scour Countermeasure. Asian Journal of Applied Sciences, 2012, 5, 192-204.	0.4	0
26	Analysis, Design and Reliability of a Simple Surge Tank. , 2004, , 1.		1