Sina Sadeghfam

List of Publications by Year
in descending order

38 papers	705 citations	567144 15 h-index	580701 25 g-index
39 all docs	39 docs citations	39 times ranked	371 citing authors

#	Article	IF	Citations
1	Groundwater vulnerability indices conditioned by Supervised Intelligence Committee Machine (SICM). Science of the Total Environment, 2017, 574, 691-706.	3.9	100
2	Mapping specific vulnerability of multiple confined and unconfined aquifers by using artificial intelligence to learn from multiple DRASTIC frameworks. Journal of Environmental Management, 2018, 227, 415-428.	3.8	59
3	Localization of Groundwater Vulnerability Assessment Using Catastrophe Theory. Water Resources Management, 2016, 30, 4585-4601.	1.9	52
4	Mapping groundwater potential field using catastrophe fuzzy membership functions and Jenks optimization method: a case study of Maragheh-Bonab plain, Iran. Environmental Earth Sciences, 2016, 75, 1.	1.3	41
5	Vulnerability Indexing to Saltwater Intrusion from Models at Two Levels using Artificial Intelligence Multiple Model (AIMM). Journal of Environmental Management, 2020, 255, 109871.	3.8	40
6	Formulating a strategy to combine artificial intelligence models using Bayesian model averaging to study a distressed aquifer with sparse data availability. Journal of Hydrology, 2019, 571, 765-781.	2.3	30
7	Introducing the risk aggregation problem to aquifers exposed to impacts of anthropogenic and geogenic origins on a modular basis using ʻrisk cellsʼ. Journal of Environmental Management, 2018, 217, 654-667.	3.8	29
8	A study of uncertainties in groundwater vulnerability modelling using Bayesian model averaging (BMA). Journal of Environmental Management, 2022, 303, 114168.	3.8	29
9	Experimental studies on scour of supercritical flow jets in upstream of screens and modelling scouring dimensions using artificial intelligence to combine multiple models (AIMM). Journal of Hydroinformatics, 2019, 21, 893-907.	1.1	25
10	Transforming subsidence vulnerability indexing based on ALPRIFT into risk indexing using a new fuzzy-catastrophe scheme. Environmental Impact Assessment Review, 2020, 82, 106352.	4.4	24
11	Groundwater Remediation through Pump-Treat-Inject Technology Using Optimum Control by Artificial Intelligence (OCAI). Water Resources Management, 2019, 33, 1123-1145.	1.9	23
12	Three-dimensional numerical investigation of flow through screens as energy dissipators. Canadian Journal of Civil Engineering, 2017, 44, 850-859.	0.7	21
13	Investigating ʻriskʼ of groundwater drought occurrences by using reliability analysis. Ecological Indicators, 2018, 94, 170-184.	2.6	20
14	Transforming Vulnerability Indexing for Saltwater Intrusion into Risk Indexing through a Fuzzy Catastrophe Scheme. Water Resources Management, 2020, 34, 175-194.	1.9	19
15	Experimental investigation of screens as energy dissipaters in submerged hydraulic jump. Turkish Journal of Engineering and Environmental Sciences, 2014, 38, 126-138.	0.1	17
16	An investigation into time-variant subsidence potentials using inclusive multiple modelling strategies. Journal of Environmental Management, 2021, 294, 112949.	3.8	17
17	Formulating Convolutional Neural Network for mapping total aquifer vulnerability to pollution. Environmental Pollution, 2022, 304, 119208.	3.7	15
18	Introducing a risk aggregation rationale for mapping risks to aquifers from point- and diffuse-sourcesᴇproof-of-concept using contamination data from industrial lagoons. Environmental Impact Assessment Review, 2018, 72, 88-98.	4.4	14

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19	Experimental Investigation of Screen as Energy Dissipators in the Movable-Bed Channel. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 1237-1246.	1.0	11
20	A study of land subsidence problems by ALPRIFT for vulnerability indexing and risk indexing and treating subjectivity by strategy at two levels. Journal of Hydroinformatics, 2020, 22, 1640-1662.	1.1	10
21	Mapping Risk to Land Subsidence: Developing a Two-Level Modeling Strategy by Combining Multi-Criteria Decision-Making and Artificial Intelligence Techniques. Water (Switzerland), 2021, 13, 2622.	1.2	10
22	Formulation of Shannon entropy model averaging for groundwater level prediction using artificial intelligence models. International Journal of Environmental Science and Technology, 2022, 19, 6203-6220.	1.8	10
23	An investigation to human health risks from multiple contaminants and multiple origins by introducing â€˜Total Information Managementâ€™. Environmental Science and Pollution Research, 2021, 28, 18702-18724.	2.7	9
24	Decision-making process of partnership in establishing and managing of rural wastewater treatment plants: Using intentional and geographical-spatial location data. Water Research, 2021, 197, 117096.	5.3	9
25	Statistical downscaling of precipitation using inclusive multiple modelling (IMM) at two levels. Journal of Water and Climate Change, 2021, 12, 3373-3387.	1.2	9
26	An investigation into uncertainties within Human Health Risk Assessment to gain an insight into plans to mitigate impacts of arsenic contamination. Journal of Cleaner Production, 2021, 311, 127667.	4.6	9
27	Investigating meteorological/groundwater droughts by copula to study anthropogenic impacts. Scientific Reports, 2022, 12, 8285.	1.6	9
28	Investigating the Effect of Horizontal Screen on Hydraulic Parameters of Vertical Drop. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1909-1917.	1.0	8
29	Introducing dynamic land subsidence index based on the ALPRIFT framework using artificial intelligence techniques. Earth Science Informatics, 2022, 15, 1007-1021.	1.6	8
30	Forced Hydraulic Jumps Described by Classic Hydraulic Equations Reproducing Cusp Catastrophe Features. Arabian Journal for Science and Engineering, 2017, 42, 4169-4179.	1.7	7
31	Next Stages in Aquifer Vulnerability Studies by Integrating Risk Indexing with Understanding Uncertainties by using Generalised Likelihood Uncertainty Estimation. Exposure and Health, 2021, 13, 375-389.	2.8	7
32	Hydrochemical analysis of seawater intrusion by graphical techniques in coastal aquifers to delineate vulnerable areas. , 2022, , 91-104.		4
33	Formulating GA-SOM as a Multivariate Clustering Tool for Managing Heterogeneity of Aquifers in Prediction of Groundwater Level Fluctuation by SVM Model. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 555-571.	1.0	3
34	Mapping and aggregating groundwater quality indices for aquifer management using Inclusive Multiple Modeling practices. , 2022, , 155-182.		3
35	Predicting hydraulic jump characteristics in a gradually expanding stilling basin with roughness elements by Sugeno Fuzzy Logic. Journal of Hydroinformatics, 2022, 24, 659-676.	1.1	2
36	Experimental Investigation on Hydraulic Efficiency of Vertical Drop Equipped with Vertical Screens. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 2022, 33, 12379-12399.	0.5	1

#	Article	IF	Citations
37	Experimental Investigation of Multiple Supercritical Flow States and the Effect of Hysteresis on the Relative Residual Energy in Sudden and Gradual Contractions. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 3843-3858.	1.0	1
38	Aggregating risks from aquifer contamination and subsidence by inclusive multiple modeling practices. , 2022, , 133-153.		0