

# Sina Sadeghfam

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Experimental Investigation on Hydraulic Efficiency of Vertical Drop Equipped with Vertical Screens. <i>Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers</i> , 2022, 33, 12379-12399.	0.5	1
2	Formulating GA-SOM as a Multivariate Clustering Tool for Managing Heterogeneity of Aquifers in Prediction of Groundwater Level Fluctuation by SVM Model. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 555-571.	1.0	3
3	Formulation of Shannon entropy model averaging for groundwater level prediction using artificial intelligence models. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 6203-6220.	1.8	10
4	A study of uncertainties in groundwater vulnerability modelling using Bayesian model averaging (BMA). <i>Journal of Environmental Management</i> , 2022, 303, 114168.	3.8	29
5	Experimental Investigation of Multiple Supercritical Flow States and the Effect of Hysteresis on the Relative Residual Energy in Sudden and Gradual Contractions. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 3843-3858.	1.0	1
6	Aggregating risks from aquifer contamination and subsidence by inclusive multiple modeling practices. , 2022, , 133-153.		0
7	Mapping and aggregating groundwater quality indices for aquifer management using Inclusive Multiple Modeling practices. , 2022, , 155-182.		3
8	Introducing dynamic land subsidence index based on the ALPRIFT framework using artificial intelligence techniques. <i>Earth Science Informatics</i> , 2022, 15, 1007-1021.	1.6	8
9	Predicting hydraulic jump characteristics in a gradually expanding stilling basin with roughness elements by Sugeno Fuzzy Logic. <i>Journal of Hydroinformatics</i> , 2022, 24, 659-676.	1.1	2
10	Formulating Convolutional Neural Network for mapping total aquifer vulnerability to pollution. <i>Environmental Pollution</i> , 2022, 304, 119208.	3.7	15
11	Investigating meteorological/groundwater droughts by copula to study anthropogenic impacts. <i>Scientific Reports</i> , 2022, 12, 8285.	1.6	9
12	Hydrochemical analysis of seawater intrusion by graphical techniques in coastal aquifers to delineate vulnerable areas. , 2022, , 91-104.		4
13	An investigation to human health risks from multiple contaminants and multiple origins by introducing "Total Information Management". <i>Environmental Science and Pollution Research</i> , 2021, 28, 18702-18724.	2.7	9
14	Investigating the Effect of Horizontal Screen on Hydraulic Parameters of Vertical Drop. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021, 45, 1909-1917.	1.0	8
15	Next Stages in Aquifer Vulnerability Studies by Integrating Risk Indexing with Understanding Uncertainties by using Generalised Likelihood Uncertainty Estimation. <i>Exposure and Health</i> , 2021, 13, 375-389.	2.8	7
16	Decision-making process of partnership in establishing and managing of rural wastewater treatment plants: Using intentional and geographical-spatial location data. <i>Water Research</i> , 2021, 197, 117096.	5.3	9
17	Statistical downscaling of precipitation using inclusive multiple modelling (IMM) at two levels. <i>Journal of Water and Climate Change</i> , 2021, 12, 3373-3387.	1.2	9
18	An investigation into uncertainties within Human Health Risk Assessment to gain an insight into plans to mitigate impacts of arsenic contamination. <i>Journal of Cleaner Production</i> , 2021, 311, 127667.	4.6	9

#	ARTICLE	IF	CITATIONS
19	An investigation into time-variant subsidence potentials using inclusive multiple modelling strategies. <i>Journal of Environmental Management</i> , 2021, 294, 112949.	3.8	17
20	Mapping Risk to Land Subsidence: Developing a Two-Level Modeling Strategy by Combining Multi-Criteria Decision-Making and Artificial Intelligence Techniques. <i>Water (Switzerland)</i> , 2021, 13, 2622.	1.2	10
21	Experimental Investigation of Screen as Energy Dissipators in the Movable-Bed Channel. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2020, 44, 1237-1246.	1.0	11
22	Transforming Vulnerability Indexing for Saltwater Intrusion into Risk Indexing through a Fuzzy Catastrophe Scheme. <i>Water Resources Management</i> , 2020, 34, 175-194.	1.9	19
23	Vulnerability Indexing to Saltwater Intrusion from Models at Two Levels using Artificial Intelligence Multiple Model (AIMM). <i>Journal of Environmental Management</i> , 2020, 255, 109871.	3.8	40
24	A study of land subsidence problems by ALPRIFT for vulnerability indexing and risk indexing and treating subjectivity by strategy at two levels. <i>Journal of Hydroinformatics</i> , 2020, 22, 1640-1662.	1.1	10
25	Transforming subsidence vulnerability indexing based on ALPRIFT into risk indexing using a new fuzzy-catastrophe scheme. <i>Environmental Impact Assessment Review</i> , 2020, 82, 106352.	4.4	24
26	Experimental studies on scour of supercritical flow jets in upstream of screens and modelling scouring dimensions using artificial intelligence to combine multiple models (AIMM). <i>Journal of Hydroinformatics</i> , 2019, 21, 893-907.	1.1	25
27	Formulating a strategy to combine artificial intelligence models using Bayesian model averaging to study a distressed aquifer with sparse data availability. <i>Journal of Hydrology</i> , 2019, 571, 765-781.	2.3	30
28	Groundwater Remediation through Pump-Treat-Inject Technology Using Optimum Control by Artificial Intelligence (OCAI). <i>Water Resources Management</i> , 2019, 33, 1123-1145.	1.9	23
29	Introducing the risk aggregation problem to aquifers exposed to impacts of anthropogenic and geogenic origins on a modular basis using "risk cells". <i>Journal of Environmental Management</i> , 2018, 217, 654-667.	3.8	29
30	Investigating "risk" of groundwater drought occurrences by using reliability analysis. <i>Ecological Indicators</i> , 2018, 94, 170-184.	2.6	20
31	Mapping specific vulnerability of multiple confined and unconfined aquifers by using artificial intelligence to learn from multiple DRASTIC frameworks. <i>Journal of Environmental Management</i> , 2018, 227, 415-428.	3.8	59
32	Introducing a risk aggregation rationale for mapping risks to aquifers from point- and diffuse-sources"proof-of-concept using contamination data from industrial lagoons. <i>Environmental Impact Assessment Review</i> , 2018, 72, 88-98.	4.4	14
33	Forced Hydraulic Jumps Described by Classic Hydraulic Equations Reproducing Cusp Catastrophe Features. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4169-4179.	1.7	7
34	Three-dimensional numerical investigation of flow through screens as energy dissipators. <i>Canadian Journal of Civil Engineering</i> , 2017, 44, 850-859.	0.7	21
35	Groundwater vulnerability indices conditioned by Supervised Intelligence Committee Machine (SICM). <i>Science of the Total Environment</i> , 2017, 574, 691-706.	3.9	100
36	Mapping groundwater potential field using catastrophe fuzzy membership functions and Jenks optimization method: a case study of Maragheh-Bonab plain, Iran. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	41

#	ARTICLE	IF	CITATIONS
37	Localization of Groundwater Vulnerability Assessment Using Catastrophe Theory. Water Resources Management, 2016, 30, 4585-4601.	1.9	52
38	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