

Kourosh Behzadian

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

922
citations

471371

17
h-index

477173

29
g-index

41
all docs

41
docs citations

41
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic sampling design using a multi-objective genetic algorithm and adaptive neural networks. <i>Environmental Modelling and Software</i> , 2009, 24, 530-541.	1.9	123
2	COMPREHENSIVE RISK MANAGEMENT USING FUZZY FMEA AND MCDA TECHNIQUES IN HIGHWAY CONSTRUCTION PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2016, 23, 300-310.	1.9	65
3	Constructing a smart framework for supplying the biogas energy in green buildings using an integration of response surface methodology, artificial intelligence and petri net modelling. <i>Energy Conversion and Management</i> , 2021, 248, 114794.	4.4	51
4	Advantages of integrated and sustainability based assessment for metabolism based strategic planning of urban water systems. <i>Science of the Total Environment</i> , 2015, 527-528, 220-231.	3.9	49
5	A critical review of real-time modelling of flood forecasting in urban drainage systems. <i>Journal of Hydrology</i> , 2022, 607, 127476.	2.3	49
6	Reliability assessment for hybrid systems of advanced treatment units of industrial wastewater reuse using combined event tree and fuzzy fault tree analyses. <i>Journal of Cleaner Production</i> , 2018, 201, 958-973.	4.6	48
7	Modelling metabolism based performance of an urban water system using WaterMet2. <i>Resources, Conservation and Recycling</i> , 2015, 99, 84-99.	5.3	47
8	Performance assessment of water reuse strategies using integrated framework of urban water metabolism and water-energy-pollution nexus. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4582-4597.	2.7	45
9	Pipe Failure Prediction in Water Distribution Systems Considering Static and Dynamic Factors. <i>Procedia Engineering</i> , 2017, 186, 117-126.	1.2	42
10	Pipeline failure prediction in water distribution networks using evolutionary polynomial regression combined with <i>k</i> -means clustering. <i>Urban Water Journal</i> , 2017, 14, 737-742.	1.0	41
11	Metabolism-modelling approaches to long-term sustainability assessment of urban water services. <i>Urban Water Journal</i> , 2017, 14, 11-22.	1.0	35
12	Selection of a Bridge Construction Site Using Fuzzy Analytical Hierarchy Process in Geographic Information System. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 4405-4420.	1.1	31
13	Can smart rainwater harvesting schemes result in the improved performance of integrated urban water systems?. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19271-19282.	2.7	26
14	A comprehensive framework for risk probability assessment of landfill fire incidents using fuzzy fault tree analysis. <i>Chemical Engineering Research and Design</i> , 2022, 163, 679-693.	2.7	22
15	Protective spur dike for scour mitigation of existing spur dikes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011, 49, 809-813.	0.7	21
16	Optimal Rehabilitation of Water Distribution Systems Using a Cluster-Based Technique. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017, 143, .	1.3	21
17	Comparative analysis of agricultural water pricing between Azarbaijan Provinces in Iran and the state of California in the US: A hydro-economic approach. <i>Agricultural Water Management</i> , 2019, 223, 105724.	2.4	19
18	Urban Water System Metabolism Assessment Using WaterMet2 Model. <i>Procedia Engineering</i> , 2014, 70, 113-122.	1.2	17

#	ARTICLE	IF	CITATIONS
19	Optimal Operation of Water Distribution Systems Using a Graph Theory-Based Configuration of District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	17
20	Willingness to pay for improved solid waste management services and associated factors among urban households: One and one half bounded contingent valuation study in Bahir Dar city, Ethiopia. <i>Cogent Environmental Science</i> , 2020, 6, .	1.6	15
21	An assessment of technological development and applications of decentralized water reuse: A critical review and conceptual framework. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	2.8	15
22	Improving Prediction of Dam Failure Peak Outflow Using Neuroevolution Combined with K-Means Clustering. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	14
23	Mitigation Options for Future Water Scarcity: A Case Study in Santa Cruz Island (Galapagos) <i>Tj ETQq1 1 0.784314 JgBT /Overlock 10</i>	1.2	14
24	Estimation of peak outflow in dam failure using neural network approach under uncertainty analysis. <i>Water Resources</i> , 2015, 42, 721-734.	0.3	13
25	Re-distributed manufacturing and the food-water-energy nexus: opportunities and challenges. <i>Production Planning and Control</i> , 2019, 30, 593-609.	5.8	13
26	Rehabilitation of a Water Distribution System Using Sequential Multiobjective Optimization Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	12
27	A Scenario-Based Management of Water Resources and Supply Systems Using a Combined System Dynamics and Compromise Programming Approach. <i>Water Resources Management</i> , 2021, 35, 4233-4250.	1.9	12
28	The Local Nexus Network: Exploring the Future of Localised Food Systems and Associated Energy and Water Supply. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 613-624.	0.5	8
29	Lignin modified PVDF membrane with antifouling properties for oil filtration. <i>Journal of Water Process Engineering</i> , 2021, 43, 102248.	2.6	8
30	Applying a new systematic fuzzy FMEA technique for risk management in light steel frame systems. <i>Journal of Asian Architecture and Building Engineering</i> , 2022, 21, 2481-2502.	1.2	7
31	Households' preferences for improved solid waste management options in Aksum city, North Ethiopia: An application of choice modelling. <i>Cogent Environmental Science</i> , 2019, 5, 1579456.	1.6	6
32	Leakage Control in Water Distribution Networks by Using Optimal Pressure Management: A Case Study. , 2011, , .		4
33	Decision support system for metabolism-based transition to urban water systems of tomorrow. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 855-863.	1.0	4
34	Decision support system for the long-term city metabolism planning problem. <i>Water Science and Technology: Water Supply</i> , 2016, 16, 542-550.	1.0	4
35	Leakage Management for Water Distribution System in GIS Environment. , 2006, , 1.		3
36	A Comparative Study of Stochastic and Deterministic Sampling Design for Model Calibration. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	Verification of Sampling Design for Water Distribution Networks Calibration. , 2008, , .		0
38	Closure to "Improving Prediction of Dam Failure Peak Outflow Using Neuroevolution Combined with K-Means Clustering" by Amir Hossein Eghbali, Kourosh Behzadian, Farhad Hooshyaripor, Raziye Farmani, and Andrew P. Duncan. Journal of Hydrologic Engineering - ASCE, 2018, 23, 07018007.	0.8	0
39	A Multi-objective Optimisation Approach to Optimising Water Allocation in Urban Water Systems. Advances in Intelligent Systems and Computing, 2016, , 447-457.	0.5	0