

Fuzhan Nasiri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,110
citations

17
h-index

32
g-index

59
ext. papers

1,353
ext. citations

4.1
avg, IF

5.21
L-index

#	Paper	IF	Citations
52	Application of Multiagent Simulation for Maintenance Workflow Management and Resource Allocation in Hospital Buildings. <i>Journal of Architectural Engineering</i> , 2021 , 27, 04021005	1.5	0
51	Resilience-based optimization model for maintenance and rehabilitation of pavement networks in a freeze-thaw environment. <i>Canadian Journal of Civil Engineering</i> , 2021 , 48, 399-410	1.3	1
50	A failure prediction model for corrosion in gas transmission pipelines. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2021 , 235, 374-390	0.8	3
49	Biomass-fuelled combined heat and power: integration in district heating and thermal-energy storage. <i>Clean Energy</i> , 2021 , 5, 44-56	4.7	8
48	A novel Neutrosophic-based machine learning approach for maintenance prioritization in healthcare facilities. <i>Journal of Building Engineering</i> , 2021 , 42, 102480	5.2	1
47	Mitigating COVID-19 infection disease transmission in indoor environment using physical barriers. <i>Sustainable Cities and Society</i> , 2021 , 74, 103175	10.1	27
46	An enviro-economic optimization of a hybrid energy system from biomass and geothermal resources for low-enthalpy areas. <i>Energy and Climate Change</i> , 2021 , 2, 100040	1.2	3
45	Maintenance workflow management in hospitals: An automated multi-agent facility management system. <i>Journal of Building Engineering</i> , 2020 , 32, 101431	5.2	13
44	Effect of fuel composition uncertainty on grate firing biomass combustor performance: a Bayesian model averaging approach. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	2
43	Availability-based predictive maintenance scheduling for vibrating-grate biomass boilers. <i>Safety and Reliability</i> , 2020 , 39, 165-187	0.4	4
42	Uncertainty Quantification of Biomass Composition Variability Effect on Moving-Grate Bed Combustion: An Experiment-Based Approach. <i>Energy & Fuels</i> , 2020 , 34, 9697-9708	4.1	1
41	Reliable, Effective, and Sustainable Urban Railways: A Model for Optimal Planning and Asset Management. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020057	4.2	5
40	Construction workspace management: critical review and roadmap. <i>International Journal of Construction Management</i> , 2020 , 1-14	1.9	2
39	Automated Anomaly Detection and Localization in Sewer Inspection Videos Using Proportional Data Modeling and Deep Learning-Based Text Recognition. <i>Journal of Infrastructure Systems</i> , 2020 , 26, 04020018	2.9	7
38	A multi-criteria assessment of the passengers' level of comfort in urban railway rolling stock. <i>Sustainable Cities and Society</i> , 2020 , 53, 101892	10.1	16
37	A bi-objective optimization approach for selection of passive energy alternatives in retrofit projects under cost uncertainty. <i>Energy and Built Environment</i> , 2020 , 1, 77-86	6.3	9
36	Data center maintenance: applications and future research directions. <i>Facilities</i> , 2020 , 38, 691-714	2.2	1

35	Applying lean construction principles in road maintenance planning and scheduling. <i>International Journal of Construction Management</i> , 2020 , 1-11	1.9	7
34	Optimal Configuration and Sizing of an Integrated Renewable Energy System for Isolated and Grid-Connected Microgrids: The Case of an Urban University Campus. <i>Energies</i> , 2020 , 13, 3527	3.1	3
33	A Hybrid Genetic Algorithm-Based Fuzzy Markovian Model for the Deterioration Modeling of Healthcare Facilities. <i>Algorithms</i> , 2020 , 13, 210	1.8	4
32	Influence of lean construction wastes on the transformation-flow-value process of construction. <i>International Journal of Construction Management</i> , 2020 , 1-7	1.9	1
31	Operation Adaptation of Moving Bed Biomass Combustors under Various Waste Fuel Conditions. <i>Energies</i> , 2020 , 13, 6352	3.1	
30	A Review of Failure Prediction Models for Oil and Gas Pipelines. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 03119001	1.5	27
29	Availability-based reliability-centered maintenance planning for gas transmission pipelines. <i>International Journal of Pressure Vessels and Piping</i> , 2020 , 183, 104105	2.4	9
28	A Review of Numerical Modeling and Experimental Analysis of Combustion in Moving Grate Biomass Combustors. <i>Energy & Fuels</i> , 2019 , 33, 9367-9402	4.1	19
27	Comparative assessment of insulated concrete wall technologies and wood-frame walls in residential buildings: a multi-criteria analysis of hygrothermal performance, cost, and environmental footprints. <i>Advances in Building Energy Research</i> , 2019 , 1-33	1.8	5
26	Application of passive measures for energy conservation in buildings: a review. <i>Advances in Building Energy Research</i> , 2019 , 13, 282-315	1.8	21
25	Review of asset management for metro systems: challenges and opportunities. <i>Transport Reviews</i> , 2019 , 39, 309-326	9.9	7
24	Availability-Based Reliability-Centered Maintenance Scheduling: Case Study of Domestic (Building-Integrated) Hot Water Systems. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2018 , 4, 05017001	1.7	4
23	Integrated Assessment-Optimization Approach for Building Refurbishment Projects: Case Study of Passive Energy Measures. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 05018003	5	3
22	Optimising public transport for reducing employment barriers and fighting poverty. <i>International Journal of Sustainable Development and Planning</i> , 2018 , 13, 860-871	2	2
21	Healthcare facilities maintenance management: a literature review. <i>Journal of Facilities Management</i> , 2017 , 15, 352-375	1.7	28
20	2017 ,		2
19	Modeling and analysis of renewable heat integration into non-domestic buildings - The case of biomass boilers: A whole life asset-supply chain management approach. <i>Biomass and Bioenergy</i> , 2016 , 95, 244-256	5.3	17
18	Assessment of building-integrated green technologies: A review and case study on applications of Multi-Criteria Decision Making (MCDM) method. <i>Sustainable Cities and Society</i> , 2016 , 27, 106-115	10.1	126

17	Urban water reuse: A triple bottom line assessment framework and review. <i>Sustainable Cities and Society</i> , 2016 , 27, 448-456	10.1	61
16	Postgraduate research supervision at a distance: a review of challenges and strategies. <i>Studies in Higher Education</i> , 2015 , 40, 1962-1969	2.6	28
15	Modeling of biomass-to-energy supply chain operations: Applications, challenges and research directions. <i>Energy Policy</i> , 2014 , 67, 116-126	7.2	189
14	Variation in ecosystem service values in response to land use changes in Zhifanggou watershed of Loess plateau: a comparative study. <i>Environmental Systems Research</i> , 2014 , 3, 2	4.3	7
13	Revenue sharing coordination in reverse logistics. <i>Journal of Cleaner Production</i> , 2013 , 59, 185-196	10.3	76
12	A system dynamics approach for urban water reuse planning: a case study from the Great Lakes region. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 675-691	3.5	21
11	Measuring the embodied energy in drinking water supply systems: a case study in the Great Lakes region. <i>Environmental Science & Technology</i> , 2010 , 44, 9516-21	10.3	65
10	Renewable Portfolio Standard Policy: A Game-theoretic Analysis. <i>Infor</i> , 2010 , 48, 251-260	0.5	9
9	An exploratory game-theoretic analysis of biomass electricity generation supply chain. <i>Energy Policy</i> , 2009 , 37, 4514-4522	7.2	43
8	Environmental Policy Analysis in Freight Transportation Planning: An Optimality Assessment Approach. <i>International Journal of Sustainable Transportation</i> , 2009 , 3, 88-109	3.6	14
7	Project agility assessment: an integrated decision analysis approach. <i>Production Planning and Control</i> , 2008 , 19, 567-576	4.3	19
6	A fuzzy decision aid model for environmental performance assessment in waste recycling. <i>Environmental Modelling and Software</i> , 2008 , 23, 677-689	5.2	46
5	Project Delivery System Selection under Uncertainty: Multicriteria Multilevel Decision Aid Model. <i>Journal of Management in Engineering - ASCE</i> , 2007 , 23, 200-206	5.3	51
4	Ecological viability assessment: A fuzzy multiple-attribute analysis with respect to three classes of ordering techniques. <i>Ecological Informatics</i> , 2007 , 2, 128-137	4.2	5
3	Prioritizing groundwater remediation policies: a fuzzy compatibility analysis decision aid. <i>Journal of Environmental Management</i> , 2007 , 82, 13-23	7.9	16
2	Water Quality Index: A Fuzzy River-Pollution Decision Support Expert System. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007 , 133, 95-105	2.8	67
1	Optimal dispatching of renewable energy-based urban microgrids using a deep learning approach for electrical load and wind power forecasting. <i>International Journal of Energy Research</i> ,	4.5	4