

Tarek Zayed

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.

271
papers

3,719
citations

30
h-index

47
g-index

291
ext. papers

4,874
ext. citations

4
avg, IF

6.44
L-index

#	Paper	IF	Citations
271	Investigating the Barriers to Applying the Internet-of-Things-Based Technologies to Construction Site Safety Management.. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19,	4.6	4
270	Examining the OHS of green building construction projects: A hybrid fuzzy-based approach. <i>Journal of Cleaner Production</i> , 2022 , 338, 130590	10.3	3
269	Gene expression programming based mathematical modeling for leak detection of water distribution networks. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 188, 110611	4.6	4
268	An exponential chaotic differential evolution algorithm for optimizing bridge maintenance plans. <i>Automation in Construction</i> , 2022 , 134, 104107	9.6	3
267	Investigating the impact of sewer overflow on the environment: A comprehensive literature review paper. <i>Journal of Environmental Management</i> , 2022 , 301, 113810	7.9	5
266	Impact of sewer overflow on public health: A comprehensive scientometric analysis and systematic review. <i>Environmental Research</i> , 2022 , 203, 111609	7.9	9
265	Deterioration Mapping of RC Bridge Elements Based on Automated Analysis of GPR Images. <i>Remote Sensing</i> , 2022 , 14, 1131	5	1
264	Occupational Health and Safety in Modular Integrated Construction projects: The case of crane operations. <i>Journal of Cleaner Production</i> , 2022 , 342, 130950	10.3	3
263	Reliability assessment of subsea pipelines under the effect of spanning load and corrosion degradation. <i>Journal of Natural Gas Science and Engineering</i> , 2022 , 104569	4.6	2
262	Towards a comprehensive review of the deterioration factors and modeling for sewer pipelines: A hybrid of bibliometric, scientometric, and meta-analysis approach. <i>Journal of Cleaner Production</i> , 2022 , 351, 131460	10.3	7
261	Causal analysis of accidents on construction sites: A hybrid fuzzy Delphi and DEMATEL approach. <i>Safety Science</i> , 2022 , 151, 105730	5.8	6
260	A Sustainability-Based Risk Assessment for P3 Projects Using a Simulation Approach. <i>Sustainability</i> , 2022 , 14, 344	3.6	1
259	Acoustic leak detection approaches for water pipelines. <i>Automation in Construction</i> , 2022 , 138, 104226	9.6	3
258	Leak Detection in Real Water Distribution Networks Based on Acoustic Emission and Machine Learning.. <i>Environmental Technology (United Kingdom)</i> , 2022 , 1-34	2.6	0
257	Data fusion of multiple machine intelligent systems for the condition assessment of subway structures. <i>Tunnelling and Underground Space Technology</i> , 2022 , 126, 104512	5.7	
256	Rehabilitation of municipal infrastructure using risk-based performance. <i>Automation in Construction</i> , 2022 , 140, 104335	9.6	0
255	Data-driven application of MEMS-based accelerometers for leak detection in water distribution networks. <i>Science of the Total Environment</i> , 2021 , 151110	10.2	9

254	Synchronized scheduling model for container terminals using simulated double-cycling strategy. <i>Computers and Industrial Engineering</i> , 2021 , 154, 107118	6.4	7
253	Exploring the value management critical success factors for sustainable residential building DA structural equation modelling approach. <i>Journal of Cleaner Production</i> , 2021 , 293, 126115	10.3	30
252	Multi-level fleet size optimization for containers handling using double-cycling strategy. <i>Expert Systems With Applications</i> , 2021 , 170, 114526	7.8	0
251	Budget Optimization of Concrete Bridge Decks under Performance-Based Contract Settings. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021040	4.2	2
250	Development of a Contractor Failure Prediction Model Using Analytic Network Process. <i>Journal of Architectural Engineering</i> , 2021 , 27, 04021006	1.5	
249	A Hybrid Multi-Criteria Decision Making Model for Defect-Based Condition Assessment of Railway Infrastructure. <i>Sustainability</i> , 2021 , 13, 7186	3.6	2
248	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
247	A comparative review of building component rating systems. <i>Journal of Building Engineering</i> , 2021 , 33, 101588	5.2	10
246	Barriers of value management implementation for building projects in Egyptian construction industry. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 21-30	4.4	29
245	Prediction of Breaks in Municipal Drinking Water Linear Assets. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021 , 12, 04020060	1.5	0
244	Entropy-Based Automated Method for Detection and Assessment of Spalling Severities in Reinforced Concrete Bridges. <i>Journal of Performance of Constructed Facilities</i> , 2021 , 35, 04020132	2	7
243	Hybrid Elman Neural Network and an Invasive Weed Optimization Method for Bridge Defect Recognition. <i>Transportation Research Record</i> , 2021 , 2675, 167-199	1.7	6
242	Crane operations and planning in modular integrated construction: Mixed review of literature. <i>Automation in Construction</i> , 2021 , 122, 103466	9.6	10
241	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
240	Defect-Based Condition Assessment Model for Sewer Pipelines Using Fuzzy Hierarchical Evidential Reasoning. <i>Journal of Performance of Constructed Facilities</i> , 2021 , 35, 04020142	2	2
239	Critical factors for successful implementation of just-in-time concept in modular integrated construction: A systematic review and meta-analysis. <i>Journal of Cleaner Production</i> , 2021 , 284, 124716	10.3	14
238	Defect-based building condition assessment. <i>Building and Environment</i> , 2021 , 191, 107575	6.5	8
237	A system boundary-based critical review on crane selection in building construction. <i>Automation in Construction</i> , 2021 , 123, 103520	9.6	10

236	Micro-electromechanical systems-based technologies for leak detection and localization in water supply networks: A bibliometric and systematic review. <i>Journal of Cleaner Production</i> , 2021 , 289, 125751	10.3	13
235	Resilience-Driven Sustainability-Based Rehabilitation Planning for Water Distribution Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021079	4.2	2
234	Modelling in off-site construction supply chain management: A review and future directions for sustainable modular integrated construction. <i>Journal of Cleaner Production</i> , 2021 , 310, 127503	10.3	18
233	Trends and developments of on-site crane layout planning 1983-2020: bibliometric, scientometric and qualitative analyzes. <i>Construction Innovation</i> , 2021 , ahead-of-print,	4.1	3
232	Condition assessment model of building indoor environment: a case study on educational buildings. <i>International Journal of Building Pathology and Adaptation</i> , 2021 , ahead-of-print,	1.6	1
231	Integrative Evolutionary-Based Method for Modeling and Optimizing Budget Assignment of Bridge Maintenance Priorities. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021106	4.2	1
230	Sustainability assessment model for heritage buildings. <i>Smart and Sustainable Built Environment</i> , 2021 , ahead-of-print,	3	4
229	Failure modeling of water distribution pipelines using meta-learning algorithms. <i>Water Research</i> , 2021 , 205, 117680	12.5	1
228	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
227	Review of Water Leak Detection and Localization Methods through Hydrophone Technology. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021 , 12, 03121002	1.5	3
226	A comprehensive review of acoustic based leak localization method in pressurized pipelines. <i>Mechanical Systems and Signal Processing</i> , 2021 , 161, 107994	7.8	24
225	Intelligent Optimized Decision-Support System for Sewer Network Assets Improvement. <i>Journal of Infrastructure Systems</i> , 2021 , 27, 04021045	2.9	0
224	Technology-based multi-tiered building diagnosis framework. <i>International Journal of Building Pathology and Adaptation</i> , 2021 , ahead-of-print,	1.6	2
223	Value management implementation barriers for sustainable building: a bibliometric analysis and partial least square structural equation modeling. <i>Construction Innovation</i> , 2021 , ahead-of-print,	4.1	5
222	An Approach to Predict the Failure of Water Mains Under Climatic Variations. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2020 , 6, 1	2	3
221	Level of Service-Based Asset Management Framework for Water Supply Systems. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 04020026	1.5	3
220	A state of the art review on condition assessment models developed for sewer pipelines. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 93, 103721	7.2	16
219	Factors and defects analysis of physical and environmental condition of buildings. <i>Journal of Building Pathology and Rehabilitation</i> , 2020 , 5, 1	1.8	7

218	Resilience-Driven Multiobjective Restoration Planning for Water Distribution Networks. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020072	2	5
217	Deterioration mapping in subway infrastructure using sensory data of GPR. <i>Tunnelling and Underground Space Technology</i> , 2020 , 103, 103487	5.7	10
216	Prediction of maximum pitting corrosion depth in oil and gas pipelines. <i>Engineering Failure Analysis</i> , 2020 , 112, 104505	3.2	34
215	Comprehensive Inspection System for Concrete Bridge Deck Application: Current Situation and Future Needs. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 03120001	2	8
214	Integrated Condition-Based Rating Model for Sustainable Bridge Management. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020091	2	2
213	A Sustainability Based Framework for Evaluating the Heritage Buildings. <i>International Journal of Energy Optimization and Engineering</i> , 2020 , 9, 49-73	0.9	7
212	Reliability Assessment Model for Water Distribution Networks. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 04019059	1.5	3
211	A self-adaptive exhaustive search optimization-based method for restoration of bridge defects images. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 1659-1716	3.8	5
210	Automated Anomaly Detection and Localization in Sewer Inspection Videos Using Proportional Data Modeling and Deep LearningBased Text Recognition. <i>Journal of Infrastructure Systems</i> , 2020 , 26, 04020018	2.9	7
209	A Multi-objective Invasive Weed Optimization Method for Segmentation of Distress Images. <i>Intelligent Automation and Soft Computing</i> , 2020 , 26, 643-661	2.6	7
208	A review of sustainable facility management research. <i>Sustainable Cities and Society</i> , 2020 , 55, 102073	10.1	2
207	Relationship between Social Media and ASCE Code of Ethics: Review and Case-Based Discussion. <i>Journal of Civil Engineering Education</i> , 2020 , 146, 05019002	1.1	2
206	Modeling Failure of Oil Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04019088	2	5
205	Fuzzy Preference Programming Framework for Functional assessment of Subway Networks. <i>Algorithms</i> , 2020 , 13, 220	1.8	
204	Finance-based scheduling multi-objective optimization: Benchmarking of evolutionary algorithms. <i>Automation in Construction</i> , 2020 , 120, 103392	9.6	6
203	A study of literature in modular integrated construction - Critical review and future directions. <i>Journal of Cleaner Production</i> , 2020 , 277, 124044	10.3	28
202	Ground penetrating radar-based deterioration assessment of RC bridge decks. <i>Construction Innovation</i> , 2020 , 20, 1-17	4.1	6
201	An Invasive Weed Optimization-Based Fuzzy Decision-making Framework for Bridge Intervention Prioritization in Element and Network Levels. <i>International Journal of Information Technology and Decision Making</i> , 2020 , 19, 1189-1246	2.8	1

200	Simulation-based planning of concrete bridge deck inspection with non-destructive technologies. <i>Automation in Construction</i> , 2020 , 119, 103337	9.6	3
199	Intelligent Approaches for Predicting Failure of Water Mains. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 04020044	1.5	10
198	IoT-based application for construction site safety monitoring. <i>International Journal of Construction Management</i> , 2020 , 1-17	1.9	21
197	A Hybrid Genetic Algorithm-Based Fuzzy Markovian Model for the Deterioration Modeling of Healthcare Facilities. <i>Algorithms</i> , 2020 , 13, 210	1.8	4
196	A Novel Lazy Serpent Algorithm for the Prioritization of Leak Repairs in Water Networks. <i>Water (Switzerland)</i> , 2020 , 12, 2235	3	
195	Development of a sustainability rating tool for heritage buildings: future implications. <i>Smart and Sustainable Built Environment</i> , 2020 , ahead-of-print,	3	9
194	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
193	Comparative analysis of modular construction practices in mainland China, Hong Kong and Singapore. <i>Journal of Cleaner Production</i> , 2020 , 245, 118861	10.3	47
192	Sustainability-informed multi-criteria decision support framework for ranking and prioritization of pavement sections. <i>Journal of Cleaner Production</i> , 2020 , 244, 118755	10.3	17
191	Optimized maintenance model for wastewater treatment plants. <i>Canadian Journal of Civil Engineering</i> , 2020 , 47, 929-938	1.3	2
190	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
189	A New Metric for Assessing Resilience of Water Distribution Networks. <i>Water (Switzerland)</i> , 2019 , 11, 1701	3	16
188	Risk-Based Asset Management Framework for Subway Systems. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019071	4.2	4
187	An optimization-based methodology for the definition of amplitude thresholds of the ground penetrating radar. <i>Soft Computing</i> , 2019 , 23, 12063-12086	3.5	11
186	A computerized hybrid Bayesian-based approach for modelling the deterioration of concrete bridge decks. <i>Structure and Infrastructure Engineering</i> , 2019 , 15, 1178-1199	2.9	6
185	Simulation-based deterioration patterns of water pipelines. <i>Structure and Infrastructure Engineering</i> , 2019 , 15, 965-982	2.9	3
184	Mapping Ground Penetrating Radar Amplitudes Using Artificial Neural Network and Multiple Regression Analysis Methods. <i>International Journal of Strategic Decision Sciences</i> , 2019 , 10, 84-106	0.3	2
183	Review on Computer Aided Sewer Pipeline Defect Detection and Condition Assessment. <i>Infrastructures</i> , 2019 , 4, 10	2.6	15

182	Modelling the Deterioration of Bridge Decks Based on Semi-Markov Decision Process. <i>International Journal of Strategic Decision Sciences</i> , 2019 , 10, 23-45	0.3	2
181	Leak detection in water distribution networks: an introductory overview. <i>Smart Water</i> , 2019 , 4,	2.9	42
180	Automated visualization of concrete bridge deck condition from GPR data. <i>NDT and E International</i> , 2019 , 102, 120-128	4.1	22
179	Development of a clustering-based model for enhancing acoustic leak detection. <i>Canadian Journal of Civil Engineering</i> , 2019 , 46, 278-286	1.3	8
178	Erosion Void Condition Prediction Models for Buried Linear Assets. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2019 , 10, 04018029	1.5	3
177	Multi-Objective Optimization Model for Inspection Scheduling of Sewer Pipelines. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04018129	4.2	8
176	Development of sustainability assessment tool for existing buildings. <i>Sustainable Cities and Society</i> , 2019 , 44, 99-119	10.1	77
175	Rational Condition Assessment of RC Bridge Decks Subjected to Corrosion-Induced Delamination. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04017259	3	9
174	Integrated Performance Assessment Model for Water Networks. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018005	2.9	7
173	Automated defect detection tool for closed circuit television (cctv) inspected sewer pipelines. <i>Automation in Construction</i> , 2018 , 89, 99-109	9.6	30
172	An economic loss model for failure of sewer pipelines. <i>Structure and Infrastructure Engineering</i> , 2018 , 14, 1312-1323	2.9	4
171	Maintenance Cost Optimization for Bridge Structures Using System Reliability Analysis and Genetic Algorithms. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017116	4.2	33
170	Construction productivity fuzzy knowledge base management system. <i>Canadian Journal of Civil Engineering</i> , 2018 , 45, 329-338	1.3	11
169	Infrared thermography model for automated detection of delamination in RC bridge decks. <i>Construction and Building Materials</i> , 2018 , 168, 313-327	6.7	36
168	Integrated condition rating and forecasting method for bridge decks using Visual Inspection and Ground Penetrating Radar. <i>Automation in Construction</i> , 2018 , 89, 135-145	9.6	24
167	An accelerometer-based leak detection system. <i>Mechanical Systems and Signal Processing</i> , 2018 , 108, 276-291	7.8	63
166	Method for developing and updating deterioration models for concrete bridge decks using GPR data. <i>Automation in Construction</i> , 2018 , 91, 133-141	9.6	12
165	Condition assessment model for sewer pipelines using fuzzy-based evidential reasoning. <i>Australian Journal of Civil Engineering</i> , 2018 , 16, 23-37	1.8	8

164	Multiobjective Framework for Managing Municipal Integrated Infrastructure. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017091	4.2	15
163	Determining Relative Weights of Sewer Pipelines Components and Defects. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018 , 9, 04017026	1.5	8
162	Defect-Based ArcGIS Tool for Prioritizing Inspection of Sewer Pipelines. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018 , 9, 04018021	1.5	8
161	An integrated assessment approach to prevent risk of sewer exfiltration. <i>Sustainable Cities and Society</i> , 2018 , 41, 576-586	10.1	16
160	Defect Based Risk Assessment Model for Prioritizing Inspection of Sewer Pipelines 2018 ,		1
159	Criticality Model to Prioritize Pipeline Rehabilitation Decisions 2018 ,		1
158	Automated Sewer Pipeline Inspection Using Computer Vision Techniques 2018 ,		3
157	Detection and Quantification of Spalling Distress in Subway Networks 2018 , 607-615		1
156	Computer VisionBased Model for Moisture Marks Detection and Recognition in Subway Networks. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017079	5	17
155	Multiattribute Utility Theory Deployment in Sewer Defects Assessment. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017074	5	14
154	Defect- and component-based assessment model for manholes. <i>Tunnelling and Underground Space Technology</i> , 2018 , 82, 380-393	5.7	4
153	Viola-Jones Algorithm for Automatic Detection of Hyperbolic Regions in GPR Profiles of Bridge Decks 2018 ,		1
152	Simulation-Based Condition Assessment Model for Sewer Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04016066	2	12
151	Generic Scheduling Optimization Model for Multiple Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017003	5	28
150	Integrated sensing technologies for detection and location of leaks in water distribution networks. <i>Water Science and Technology: Water Supply</i> , 2017 , 17, 1589-1601	1.4	1
149	3D Thermal and Spatial Modeling of a Subway Tunnel: A Case Study 2017 ,		1
148	Corrosiveness mapping of bridge decks using image-based analysis of GPR data. <i>Automation in Construction</i> , 2017 , 80, 104-117	9.6	29
147	Performance of NDT Techniques in Appraising Condition of Reinforced Concrete Bridge Decks. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017104	2	13

146	Common practices in assessing conditions of concrete bridges. <i>MATEC Web of Conferences</i> , 2017 , 120, 02016	0.3	3
145	Performance-based contracting for maintaining transportation assets with emphasis on bridges. <i>MATEC Web of Conferences</i> , 2017 , 120, 08012	0.3	1
144	Cost benefit analysis for failure of sewer pipelines. <i>MATEC Web of Conferences</i> , 2017 , 120, 08006	0.3	4
143	Integrated Condition Rating Model for Reinforced Concrete Bridge Decks. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017090	2	10
142	Real-Time Defect Detection in Sewer Closed Circuit Television Inspection Videos 2017 ,		8
141	Defect based deterioration model for sewer pipelines using Bayesian belief networks. <i>Canadian Journal of Civil Engineering</i> , 2017 , 44, 675-690	1.3	17
140	Agent-based modeling and simulation of earthmoving operations. <i>Automation in Construction</i> , 2017 , 81, 210-223	9.6	26
139	Machine vision-based model for spalling detection and quantification in subway networks. <i>Automation in Construction</i> , 2017 , 81, 149-160	9.6	54
138	Pavement Condition Rating Using Multiattribute Utility Theory. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2017 , 143, 04017011	1.4	6
137	Integrated Risk-Assessment Framework for Municipal Infrastructure. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015052	4.2	30
136	Consequence of Failure: Neurofuzzy-Based Prediction Model for Gas Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015073	2	9
135	Sewer Inspection Prioritization Using a Defect-Based Bayesian Belief Network Model 2016 ,		2
134	MOSCOPEA: Multi-objective construction scheduling optimization using elitist non-dominated sorting genetic algorithm. <i>Automation in Construction</i> , 2016 , 71, 153-170	9.6	19
133	Leak Detection in Buried Pipes Using Ground Penetrating Radar A Comparative Study 2016 ,		2
132	Aspiration to enrol children in Islamic studies: a case of academicians. <i>Journal for Multicultural Education</i> , 2016 , 10, 435-448	0.8	
131	Performance Assessment Model for Water Networks 2016 ,		1
130	Condition Prediction for Chemical Grouting Rehabilitation of Sewer Networks. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016042	2	11
129	Reliability-Based Condition Assessment of an Externally Restrained Bridge Deck System Considering Uncertainties in Key Design Parameters. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04014189	2	7

128	Multi-tier method using infrared photography and GPR to detect and locate water leaks. <i>Automation in Construction</i> , 2016 , 61, 162-170	9.6	36
127	Locating Leaks in Water Mains Using Noise Loggers. <i>Journal of Infrastructure Systems</i> , 2016 , 22, 04016012	9	16
126	Integrated performance assessment model for water distribution networks. <i>Structure and Infrastructure Engineering</i> , 2016 , 1-20	2.9	6
125	Simulation-based construction productivity forecast using Neural-Network-Driven Fuzzy Reasoning. <i>Automation in Construction</i> , 2016 , 65, 102-115	9.6	34
124	Unpiggable Oil and Gas Pipeline Condition Forecasting Models. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04014202	2	13
123	Multi-Criteria Decision Making Models for Water Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015090	2	13
122	Collective thinking approach for improving leak detection systems. <i>Smart Water</i> , 2016 , 2,	2.9	7
121	Condition Prediction for Cured-in-Place Pipe Rehabilitation of Sewer Mains. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016016	2	16
120	Evidential Reasoning Based Condition Assessment Model for Offshore Gas Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016037	2	10
119	An Accelerometer-Based Real-Time Monitoring and Leak Detection System for Pressurized Water Pipelines 2016 ,		4
118	Optimized scheduling and buffering of repetitive construction projects under uncertainty. <i>Engineering, Construction and Architectural Management</i> , 2016 , 23, 782-800	3.1	27
117	GPR-Based Fuzzy Model for Bridge Deck Corrosiveness Index. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015069	2	9
116	Space-Based Condition Assessment Model for Buildings: Case Study of Educational Buildings. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014032	2	14
115	Infrastructure performance rating models for wastewater treatment plants. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 668-682	2.9	5
114	Identifying Rehabilitation Options for Optimum Improvement in Municipal Asset Condition. <i>Journal of Infrastructure Systems</i> , 2015 , 21, 04014037	2.9	9
113	Fitness-oriented multi-objective optimisation for infrastructures rehabilitations. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 761-775	2.9	8
112	Subway Infrastructure Condition Assessment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04015042	4.2	10
111	Construction knowledge discovery system using fuzzy approach. <i>Canadian Journal of Civil Engineering</i> , 2015 , 42, 22-32	1.3	8

110	Dynamic planning of construction activities using hybrid simulation. <i>Automation in Construction</i> , 2015 , 49, 176-192	9.6	32
109	A condition assessment model for oil and gas pipelines using integrated simulation and analytic network process. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 263-281	2.9	21
108	System-Level Deterioration Model for Reinforced Concrete Bridge Decks. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014081	2.7	14
107	Method for Analyzing Time-Series GPR Data of Concrete Bridge Decks. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014086	2.7	26
106	Discussion of Method to Implement Delayed Product Differentiation in Construction of High-Rise Apartment Building Projects by Cecilia Gravina da Rocha and Sergio Luiz Kemmer. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 07014003	4.2	1
105	Clustering-Based Threshold Model for Condition Assessment of Concrete Bridge Decks with Ground-Penetrating Radar. <i>Transportation Research Record</i> , 2015 , 2522, 81-89	1.7	24
104	Destructive Analysis-Based Testing for Cured-in-Place Pipe. <i>Journal of Performance of Constructed Facilities</i> , 2015 , 29, 04014095	2	3
103	Condition-based maintenance decision support system for oil and gas pipelines. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 1323-1337	2.9	16
102	A model for predicting failure of oil pipelines. <i>Structure and Infrastructure Engineering</i> , 2014 , 10, 375-387	2.9	42
101	Cash flow modeling for construction projects. <i>Engineering, Construction and Architectural Management</i> , 2014 , 21, 170-189	3.1	18
100	Optimized acceleration of repetitive construction projects. <i>Automation in Construction</i> , 2014 , 39, 145-154	3.6	35
99	Fuzzy-Based Model for Predicting Failure of Oil Pipelines. <i>Journal of Infrastructure Systems</i> , 2014 , 20, 04014018	2.9	31
98	Artificial neural network models for predicting condition of offshore oil and gas pipelines. <i>Automation in Construction</i> , 2014 , 45, 50-65	9.6	90
97	Defect-Based Condition Assessment of Concrete Bridges: Fuzzy Hierarchical Evidential Reasoning Approach. <i>Transportation Research Record</i> , 2014 , 2431, 88-96	1.7	10
96	A case productivity model for automatic climbing system. <i>Engineering, Construction and Architectural Management</i> , 2014 , 21, 33-50	3.1	3
95	Modelling the effect of various factors on the condition of pavement marking. <i>Structure and Infrastructure Engineering</i> , 2014 , 10, 93-105	2.9	10
94	Condition Prediction Models for Oil and Gas Pipelines Using Regression Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140, 04014013	4.2	24
93	Probabilistic Bow-Tie Model to Predict Failure Probability of Oil and Gas Pipelines 2014 ,		1

92	Neurofuzzy-Based Productivity Prediction Model for Horizontal Directional Drilling. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2014 , 5, 04014004	1.5	7
91	Reliability-based condition assessment of a deteriorated concrete bridge. <i>Structural Monitoring and Maintenance</i> , 2014 , 1, 357-369		1
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