

Tarek Zayed

List of Publications by Citations

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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 | Assessing risk and uncertainty inherent in Chinese highway projects using AHP. <i>International Journal of Project Management</i> , 2008 , 26, 408-419 | 7.6 | 167 |
| 270 | Infrastructure Condition Prediction Models for Sustainable Sewer Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2008 , 22, 333-341 | 2 | 96 |
| 269 | Condition Rating Model for Underground Infrastructure Sustainable Water Mains. <i>Journal of Performance of Constructed Facilities</i> , 2006 , 20, 126-135 | 2 | 95 |
| 268 | 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 |
| 267 | Infrastructure Management: Integrated AHP/ANN Model to Evaluate Municipal Water Mains Performance. <i>Journal of Infrastructure Systems</i> , 2008 , 14, 305-318 | 2.9 | 89 |
| 266 | Development of sustainability assessment tool for existing buildings. <i>Sustainable Cities and Society</i> , 2019 , 44, 99-119 | 10.1 | 77 |
| 265 | Efficient Utilization of Recycled Concrete Aggregate in Structural Concrete. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 318-327 | 3 | 73 |
| 264 | Simulation of Concrete Batch Plant Production. <i>Journal of Construction Engineering and Management - ASCE</i> , 2001 , 127, 132-141 | 4.2 | 66 |
| 263 | Hierarchical Fuzzy Expert System for Risk of Failure of Water Mains. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2010 , 1, 53-62 | 1.5 | 65 |
| 262 | Prediction Models for Annual Break Rates of Water Mains. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 47-54 | 2 | 64 |
| 261 | An accelerometer-based leak detection system. <i>Mechanical Systems and Signal Processing</i> , 2018 , 108, 276-291 | 7.8 | 63 |
| 260 | Prototype Model for Build-Operate-Transfer Risk Assessment. <i>Journal of Management in Engineering - ASCE</i> , 2002 , 18, 7-16 | 5.3 | 58 |
| 259 | Machine vision-based model for spalling detection and quantification in subway networks. <i>Automation in Construction</i> , 2017 , 81, 149-160 | 9.6 | 54 |
| 258 | Fuzzy-Based Life-Cycle Cost Model for Decision Making under Subjectivity. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 556-563 | 4.2 | 47 |
| 257 | 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 |
| 256 | Contractor Selection Model for Highway Projects Using Integrated Simulation and Analytic Network Process. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 755-767 | 4.2 | 45 |
| 255 | Pile Construction Productivity Assessment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 705-714 | 4.2 | 45 |

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| 254 | Leak detection in water distribution networks: an introductory overview. <i>Smart Water</i> , 2019 , 4, | 2.9 | 42 |
| 253 | A model for predicting failure of oil pipelines. <i>Structure and Infrastructure Engineering</i> , 2014 , 10, 375-387. | 2.9 | 42 |
| 252 | Best-Value Model Based on Project Specific Characteristics. <i>Journal of Construction Engineering and Management - ASCE</i> , 2008 , 134, 179-188 | 4.2 | 41 |
| 251 | 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 |
| 250 | 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 |
| 249 | Structural Condition Assessment of Sewer Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2010 , 24, 170-179 | 2 | 36 |
| 248 | Optimized acceleration of repetitive construction projects. <i>Automation in Construction</i> , 2014 , 39, 145-154. | 9.6 | 35 |
| 247 | Prediction of maximum pitting corrosion depth in oil and gas pipelines. <i>Engineering Failure Analysis</i> , 2020 , 112, 104505 | 3.2 | 34 |
| 246 | Simulation-based construction productivity forecast using Neural-Network-Driven Fuzzy Reasoning. <i>Automation in Construction</i> , 2016 , 65, 102-115 | 9.6 | 34 |
| 245 | 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 |
| 244 | Quantitative Assessment for Piles Productivity Factors. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004 , 130, 405-414 | 4.2 | 33 |
| 243 | Dynamic planning of construction activities using hybrid simulation. <i>Automation in Construction</i> , 2015 , 49, 176-192 | 9.6 | 32 |
| 242 | Fuzzy-Based Model for Predicting Failure of Oil Pipelines. <i>Journal of Infrastructure Systems</i> , 2014 , 20, 04014018 | 2.9 | 31 |
| 241 | Integrated Risk-Assessment Framework for Municipal Infrastructure. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04015052 | 4.2 | 30 |
| 240 | Automated defect detection tool for closed circuit television (cctv) inspected sewer pipelines. <i>Automation in Construction</i> , 2018 , 89, 99-109 | 9.6 | 30 |
| 239 | Exploring the value management critical success factors for sustainable residential building via structural equation modelling approach. <i>Journal of Cleaner Production</i> , 2021 , 293, 126115 | 10.3 | 30 |
| 238 | Corrosiveness mapping of bridge decks using image-based analysis of GPR data. <i>Automation in Construction</i> , 2017 , 80, 104-117 | 9.6 | 29 |
| 237 | 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 |

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| 236 | Generic Scheduling Optimization Model for Multiple Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017003 | 5 | 28 |
| 235 | Cell-based representation and analysis of spatial resources in construction simulation. <i>Automation in Construction</i> , 2007 , 16, 436-448 | 9.6 | 28 |
| 234 | 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 |
| 233 | Performance Evaluating Model for Construction Companies: Egyptian Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2007 , 133, 574-581 | 4.2 | 27 |
| 232 | Optimized scheduling and buffering of repetitive construction projects under uncertainty. <i>Engineering, Construction and Architectural Management</i> , 2016 , 23, 782-800 | 3.1 | 27 |
| 231 | 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 |
| 230 | Agent-based modeling and simulation of earthmoving operations. <i>Automation in Construction</i> , 2017 , 81, 210-223 | 9.6 | 26 |
| 229 | Method for Analyzing Time-Series GPR Data of Concrete Bridge Decks. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014086 | 2.7 | 26 |
| 228 | Productivity and Cost Regression Models for Pile Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 779-789 | 4.2 | 26 |
| 227 | Life-Cycle Cost Analysis using Deterministic and Stochastic Methods: Conflicting Results. <i>Journal of Performance of Constructed Facilities</i> , 2002 , 16, 63-74 | 2 | 25 |
| 226 | 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 |
| 225 | 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 |
| 224 | 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 |
| 223 | 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 |
| 222 | Deterministic models for assessing productivity and cost of bored piles. <i>Construction Management and Economics</i> , 2005 , 23, 531-543 | 3 | 22 |
| 221 | Automated visualization of concrete bridge deck condition from GPR data. <i>NDT and E International</i> , 2019 , 102, 120-128 | 4.1 | 22 |
| 220 | 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 |
| 219 | IoT-based application for construction site safety monitoring. <i>International Journal of Construction Management</i> , 2020 , 1-17 | 1.9 | 21 |

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| 218 | 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 |
| 217 | Comparative Analysis of Life-Cycle Costing for Rehabilitating Infrastructure Systems. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 320-326 | 2 | 19 |
| 216 | Cash flow modeling for construction projects. <i>Engineering, Construction and Architectural Management</i> , 2014 , 21, 170-189 | 3.1 | 18 |
| 215 | Simulation-based life cycle cost modeling and maintenance plan for water mains. <i>Structure and Infrastructure Engineering</i> , 2013 , 9, 403-415 | 2.9 | 18 |
| 214 | 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 |
| 213 | 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 |
| 212 | 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 |
| 211 | 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 |
| 210 | A New Metric for Assessing Resilience of Water Distribution Networks. <i>Water (Switzerland)</i> , 2019 , 11, 1701 | 3 | 16 |
| 209 | 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 |
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| 207 | An integrated assessment approach to prevent risk of sewer exfiltration. <i>Sustainable Cities and Society</i> , 2018 , 41, 576-586 | 10.1 | 16 |
| 206 | Condition-based maintenance decision support system for oil and gas pipelines. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 1323-1337 | 2.9 | 16 |
| 205 | Model for the Physical Risk Assessment of Bridges with Unknown Foundation. <i>Journal of Performance of Constructed Facilities</i> , 2007 , 21, 44-52 | 2 | 16 |
| 204 | Condition Prediction for Cured-in-Place Pipe Rehabilitation of Sewer Mains. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016016 | 2 | 16 |
| 203 | Review on Computer Aided Sewer Pipeline Defect Detection and Condition Assessment. <i>Infrastructures</i> , 2019 , 4, 10 | 2.6 | 15 |
| 202 | Multiobjective Framework for Managing Municipal Integrated Infrastructure. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017091 | 4.2 | 15 |
| 201 | Slip-Form Application to Concrete Structures. <i>Journal of Construction Engineering and Management - ASCE</i> , 2008 , 134, 157-168 | 4.2 | 15 |

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| 200 | Modeling the Effect of Subjective Factors on Productivity of Trenchless Technology Application to Buried Infrastructure Systems. <i>Journal of Construction Engineering and Management - ASCE</i> , 2007 , 133, 743-748 | 4.2 | 15 |
| 199 | Assessment Model of Water Main Conditions 2006 , 1 | | 15 |
| 198 | Simulation as a Tool for Pile Productivity Assessment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004 , 130, 394-404 | 4.2 | 15 |
| 197 | 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 |
| 196 | System-Level Deterioration Model for Reinforced Concrete Bridge Decks. <i>Journal of Bridge Engineering</i> , 2015 , 20, 04014081 | 2.7 | 14 |
| 195 | Data acquisition and factors impacting productivity of Horizontal Directional Drilling (HDD). <i>Tunnelling and Underground Space Technology</i> , 2013 , 33, 63-72 | 5.7 | 14 |
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| 192 | 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 |
| 191 | Multiattribute Utility Theory Deployment in Sewer Defects Assessment. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017074 | 5 | 14 |
| 190 | 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 |
| 189 | Unpiggable Oil and Gas Pipeline Condition Forecasting Models. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04014202 | 2 | 13 |
| 188 | Multi-Criteria Decision Making Models for Water Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015090 | 2 | 13 |
| 187 | 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 |
| 186 | Simulation-Based Condition Assessment Model for Sewer Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04016066 | 2 | 12 |
| 185 | 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 |
| 184 | Budget allocation and rehabilitation plans for water systems using simulation approach. <i>Tunnelling and Underground Space Technology</i> , 2013 , 36, 34-45 | 5.7 | 12 |
| 183 | Integrated Decision-Support Framework for Municipal Infrastructure Asset 2010 , | | 12 |

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| 182 | Study of the Suitability of Existing Deterioration Models for Water Mains. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 40-46 | 2 | 12 |
| 181 | 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 |
| 180 | Construction productivity fuzzy knowledge base management system. <i>Canadian Journal of Civil Engineering</i> , 2018 , 45, 329-338 | 1.3 | 11 |
| 179 | Condition Prediction for Chemical Grouting Rehabilitation of Sewer Networks. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016042 | 2 | 11 |
| 178 | Best Practices of Bridge System Management & Synthesis. <i>Journal of Management in Engineering - ASCE</i> , 2006 , 22, 186-195 | 5.3 | 11 |
| 177 | Sewer Pipeline Operational Condition Prediction Using Multiple Regression 2007 , | | 11 |
| 176 | Budget Allocation for Steel Bridge Paint Maintenance. <i>Journal of Performance of Constructed Facilities</i> , 2004 , 18, 36-46 | 2 | 11 |
| 175 | Statewide Performance Function for Steel Bridge Protection Systems. <i>Journal of Performance of Constructed Facilities</i> , 2002 , 16, 46-54 | 2 | 11 |
| 174 | Subway Infrastructure Condition Assessment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04015042 | 4.2 | 10 |
| 173 | Deterioration mapping in subway infrastructure using sensory data of GPR. <i>Tunnelling and Underground Space Technology</i> , 2020 , 103, 103487 | 5.7 | 10 |
| 172 | Defect-Based Condition Assessment of Concrete Bridges: Fuzzy Hierarchical Evidential Reasoning Approach. <i>Transportation Research Record</i> , 2014 , 2431, 88-96 | 1.7 | 10 |
| 171 | Integrated Condition Rating Model for Reinforced Concrete Bridge Decks. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017090 | 2 | 10 |
| 170 | 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 |
| 169 | The impact on environment of underground infrastructure utility work. <i>Structure and Infrastructure Engineering</i> , 2011 , 7, 199-210 | 2.9 | 10 |
| 168 | New life-cycle costing approach for infrastructure rehabilitation. <i>Engineering, Construction and Architectural Management</i> , 2012 , 19, 40-60 | 3.1 | 10 |
| 167 | Condition Assessment of Water Treatment Plant Components. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 276-287 | 2 | 10 |
| 166 | A stochastic diagnostic model for subway stations. <i>Tunnelling and Underground Space Technology</i> , 2010 , 25, 32-41 | 5.7 | 10 |
| 165 | Simulation as a tool for life cycle cost analysis 2008 , | | 10 |

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| 164 | Intelligent Approaches for Predicting Failure of Water Mains. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020 , 11, 04020044 | 1.5 | 10 |
| 163 | Evidential Reasoning-Based Condition Assessment Model for Offshore Gas Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04016037 | 2 | 10 |
| 162 | A comparative review of building component rating systems. <i>Journal of Building Engineering</i> , 2021 , 33, 101588 | 5.2 | 10 |
| 161 | Crane operations and planning in modular integrated construction: Mixed review of literature. <i>Automation in Construction</i> , 2021 , 122, 103466 | 9.6 | 10 |
| 160 | A system boundary-based critical review on crane selection in building construction. <i>Automation in Construction</i> , 2021 , 123, 103520 | 9.6 | 10 |
| 159 | Consequence of Failure: Neurofuzzy-Based Prediction Model for Gas Pipelines. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015073 | 2 | 9 |
| 158 | Identifying Rehabilitation Options for Optimum Improvement in Municipal Asset Condition. <i>Journal of Infrastructure Systems</i> , 2015 , 21, 04014037 | 2.9 | 9 |
| 157 | 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 |
| 156 | Resource Management of Bridge Deck Rehabilitation: Jacques Cartier Bridge Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2008 , 134, 311-319 | 4.2 | 9 |
| 155 | Structural Condition Models for Sewer Pipeline 2007 , 1 | | 9 |
| 154 | Life-Cycle Cost Based Maintenance Plan for Steel Bridge Protection Systems. <i>Journal of Performance of Constructed Facilities</i> , 2002 , 16, 55-62 | 2 | 9 |
| 153 | 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 |
| 152 | Development of a sustainability rating tool for heritage buildings: future implications. <i>Smart and Sustainable Built Environment</i> , 2020 , ahead-of-print, | 3 | 9 |
| 151 | GPR-Based Fuzzy Model for Bridge Deck Corrosiveness Index. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04015069 | 2 | 9 |
| 150 | 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 |
| 149 | Impact of sewer overflow on public health: A comprehensive scientometric analysis and systematic review. <i>Environmental Research</i> , 2022 , 203, 111609 | 7.9 | 9 |
| 148 | Fitness-oriented multi-objective optimisation for infrastructures rehabilitations. <i>Structure and Infrastructure Engineering</i> , 2015 , 11, 761-775 | 2.9 | 8 |
| 147 | Construction knowledge discovery system using fuzzy approach. <i>Canadian Journal of Civil Engineering</i> , 2015 , 42, 22-32 | 1.3 | 8 |

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| 146 | 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 |
| 145 | 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 |
| 144 | Determining Relative Weights of Sewer Pipelines Components and Defects. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018 , 9, 04017026 | 1.5 | 8 |
| 143 | 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 |
| 142 | Real-Time Defect Detection in Sewer Closed Circuit Television Inspection Videos 2017 , | | 8 |
| 141 | Modeling Fund Allocation to Water Main Rehabilitation Projects. <i>Journal of Performance of Constructed Facilities</i> , 2013 , 27, 646-655 | 2 | 8 |
| 140 | Risk Assessment for Water Mains Using Fuzzy Approach 2009 , | | 8 |
| 139 | Integrating WRc and CERIU Condition Assessment Models and Classification Protocols for Sewer Pipelines. <i>Journal of Infrastructure Systems</i> , 2011 , 17, 129-136 | 2.9 | 8 |
| 138 | Cost management for concrete batch plant using stochastic mathematical models. <i>Canadian Journal of Civil Engineering</i> , 2006 , 33, 1065-1074 | 1.3 | 8 |
| 137 | Productivity and Cost Assessment for Continuous Flight Auger Piles. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 677-688 | 4.2 | 8 |
| 136 | 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 |
| 135 | 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 |
| 134 | Defect-based building condition assessment. <i>Building and Environment</i> , 2021 , 191, 107575 | 6.5 | 8 |
| 133 | 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 |
| 132 | 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 |
| 131 | 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 |
| 130 | Integrated Performance Assessment Model for Water Networks. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018005 | 2.9 | 7 |
| 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 |

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| 128 | Neurofuzzy-Based Productivity Prediction Model for Horizontal Directional Drilling. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2014 , 5, 04014004 | 1.5 | 7 |
| 127 | Data acquisition and analysis for water main rehabilitation techniques. <i>Structure and Infrastructure Engineering</i> , 2010 , 1-13 | 2.9 | 7 |
| 126 | Subway Station Diagnosis Index Condition Assessment Model. <i>Journal of Infrastructure Systems</i> , 2009 , 15, 222-231 | 2.9 | 7 |
| 125 | Investigation and Modeling of Critical Success Factors in Construction Organizations 2009 , | | 7 |
| 124 | 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 |
| 123 | A critical analysis of benefits and challenges of implementing modular integrated construction. <i>International Journal of Construction Management</i> , 1-24 | 1.9 | 7 |
| 122 | Synchronized scheduling model for container terminals using simulated double-cycling strategy. <i>Computers and Industrial Engineering</i> , 2021 , 154, 107118 | 6.4 | 7 |
| 121 | Collective thinking approach for improving leak detection systems. <i>Smart Water</i> , 2016 , 2, | 2.9 | 7 |
| 120 | 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 |
| 119 | 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 |
| 118 | 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 |
| 117 | Integrated performance assessment model for water distribution networks. <i>Structure and Infrastructure Engineering</i> , 2016 , 1-20 | 2.9 | 6 |
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| 115 | A Hybrid Framework for Modeling Construction Operations Using Discrete Event Simulation and System Dynamics 2012 , | | 6 |
| 114 | Fuzzy dynamic programming for optimized scheduling of repetitive construction projects 2013 , | | 6 |
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| 111 | 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 |

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| 110 | Causal analysis of accidents on construction sites: A hybrid fuzzy Delphi and DEMATEL approach. <i>Safety Science</i> , 2022 , 151, 105730 | 5.8 | 6 |
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| 108 | Resilience-Driven Multiobjective Restoration Planning for Water Distribution Networks. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020072 | 2 | 5 |
| 107 | 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 |
| 106 | Fuzzy- versus Simulation-Based Life-Cycle Cost for Sewer Rehabilitation Alternatives. <i>Journal of Performance of Constructed Facilities</i> , 2013 , 27, 656-665 | 2 | 5 |
| 105 | UTILIZING RANDOM PERFORMANCE RECORDS IN THE BEST VALUE MODEL / ATSITIKTINE TVARKA PARINKTĖ VEIKLOS EFEKTYVUMO DUOMENĖ NAUDOJIMAS GERIAUSIOS VERTĖS MODELyje. <i>Journal of Civil Engineering and Management</i> , 2012 , 18, 197-208 | 3 | 5 |
| 104 | Representation and analysis of spatial resources in construction simulation | | 5 |
| 103 | Productivity and delays assessment for concrete batch plant-truck mixer operations. <i>Construction Management and Economics</i> , 2005 , 23, 839-850 | 3 | 5 |
| 102 | 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 |
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