

Mohamed M Marzouk

List of Publications by Year in descending order

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172
papers

3,549
citations

172207

29
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189595

50
g-index

176
all docs

176
docs citations

176
times ranked

2511
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Environmental and economic impact assessment of construction and demolition waste disposal using system dynamics. Resources, Conservation and Recycling, 2014, 82, 41-49. | 5.3 | 266 |
| 2 | Analyzing delay causes in Egyptian construction projects. Journal of Advanced Research, 2014, 5, 49-55. | 4.4 | 158 |
| 3 | BIM-based approach for optimizing life cycle costs of sustainable buildings. Journal of Cleaner Production, 2018, 188, 217-226. | 4.6 | 128 |
| 4 | Monitoring thermal comfort in subways using building information modeling. Energy and Buildings, 2014, 84, 252-257. | 3.1 | 98 |
| 5 | Multiobjective Optimization of Earthmoving Operations. Journal of Construction Engineering and Management - ASCE, 2004, 130, 105-113. | 2.0 | 95 |
| 6 | ELECTRE III model for value engineering applications. Automation in Construction, 2011, 20, 596-600. | 4.8 | 91 |
| 7 | Decision support for tower crane selection with building information models and genetic algorithms. Automation in Construction, 2016, 61, 1-15. | 4.8 | 87 |
| 8 | Planning utility infrastructure requirements for smart cities using the integration between BIM and GIS. Sustainable Cities and Society, 2020, 57, 102120. | 5.1 | 82 |
| 9 | Mobile augmented reality applications for construction projects. Construction Innovation, 2018, 18, 152-166. | 1.5 | 78 |
| 10 | Building information modeling-based model for calculating direct and indirect emissions in construction projects. Journal of Cleaner Production, 2017, 152, 351-363. | 4.6 | 73 |
| 11 | Solving Civil Engineering Problems by Means of Fuzzy and Stochastic MCDM Methods: Current State and Future Research. Mathematical Problems in Engineering, 2015, 2015, 1-16. | 0.6 | 71 |
| 12 | Object-oriented Simulation Model for Earthmoving Operations. Journal of Construction Engineering and Management - ASCE, 2003, 129, 173-181. | 2.0 | 66 |
| 13 | Planning labor evacuation for construction sites using BIM and agent-based simulation. Safety Science, 2018, 109, 174-185. | 2.6 | 65 |
| 14 | Text analytics to analyze and monitor construction project contract and correspondence. Automation in Construction, 2019, 98, 265-274. | 4.8 | 60 |
| 15 | Tower cranes layout planning using agent-based simulation considering activity conflicts. Automation in Construction, 2018, 93, 348-360. | 4.8 | 59 |
| 16 | Estimating water treatment plants costs using factor analysis and artificial neural networks. Journal of Cleaner Production, 2016, 112, 4540-4549. | 4.6 | 56 |
| 17 | A BIM-based framework for quantitative assessment of steel structure deconstructability. Automation in Construction, 2020, 111, 103064. | 4.8 | 54 |
| 18 | Implementing earned value management using bridge information modeling. KSCE Journal of Civil Engineering, 2014, 18, 1302-1313. | 0.9 | 52 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Factors influencing sub-contractors selection in construction projects. HBRC Journal, 2013, 9, 150-158. | 0.2 | 48 |
| 20 | BIM and semantic web-based maintenance information for existing buildings. Automation in Construction, 2020, 116, 103209. | 4.8 | 45 |
| 21 | Deep learning model for forecasting COVID-19 outbreak in Egypt. Chemical Engineering Research and Design, 2021, 153, 363-375. | 2.7 | 45 |
| 22 | Assessing Environmental Impact Indicators in Road Construction Projects in Developing Countries. Sustainability, 2017, 9, 843. | 1.6 | 39 |
| 23 | Handling construction pollutions using multi-objective optimization. Construction Management and Economics, 2008, 26, 1113-1125. | 1.8 | 38 |
| 24 | APPLICATION OF COMPUTER SIMULATION TO CONSTRUCTION OF INCREMENTAL LAUNCHING BRIDGES. Journal of Civil Engineering and Management, 2007, 13, 27-36. | 1.9 | 37 |
| 25 | BIM-based framework for managing performance of subway stations. Automation in Construction, 2014, 41, 70-77. | 4.8 | 36 |
| 26 | AHP-TOPSIS social sustainability approach for selecting supplier in construction supply chain. Cleaner Environmental Systems, 2021, 2, 100034. | 2.2 | 36 |
| 27 | Predicting Construction Materials Prices Using Fuzzy Logic and Neural Networks. Journal of Construction Engineering and Management - ASCE, 2013, 139, 1190-1198. | 2.0 | 35 |
| 28 | Incorporating Practicability into Genetic Algorithm-Based Time-Cost Optimization. Journal of Construction Engineering and Management - ASCE, 2002, 128, 139-143. | 2.0 | 33 |
| 29 | A superiority and inferiority ranking model for contractor selection. Construction Innovation, 2008, 8, 250-268. | 1.5 | 33 |
| 30 | Integrated agent-based simulation and multi-criteria decision making approach for buildings evacuation evaluation. Safety Science, 2019, 112, 57-65. | 2.6 | 32 |
| 31 | A case-based reasoning approach for estimating the costs of pump station projects. Journal of Advanced Research, 2011, 2, 289-295. | 4.4 | 30 |
| 32 | Multiobjective optimisation algorithm for sewer network rehabilitation. Structure and Infrastructure Engineering, 2013, 9, 1094-1102. | 2.0 | 29 |
| 33 | DISPUTE RESOLUTION AIDED TOOL FOR CONSTRUCTION PROJECTS IN EGYPT / GINÄĖÅ² SPRENDIMO PAGALBOS PRIEMONÄ– STATYBOS PROJEKTAMS EGIPTĖ. Journal of Civil Engineering and Management, 2011, 17, 63-71. | 1.9 | 28 |
| 34 | Artificial intelligence exploitation in facility management using deep learning. Construction Innovation, 2020, 20, 609-624. | 1.5 | 28 |
| 35 | Application of Evolutionary Optimization Algorithms for Rehabilitation of Water Distribution Networks. Journal of Construction Engineering and Management - ASCE, 2020, 146, . | 2.0 | 28 |
| 36 | Simulation optimization for earthmoving operations using genetic algorithms. Construction Management and Economics, 2002, 20, 535-543. | 1.8 | 26 |

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| 37 | Clustering Technique for Evaluating and Validating Neural Network Performance. Journal of Computing in Civil Engineering, 2002, 16, 152-155. | 2.5 | 26 |
| 38 | Digitizing material passport for sustainable construction projects using BIM. Journal of Building Engineering, 2021, 43, 103233. | 1.6 | 26 |
| 39 | Modeling safety considerations and space limitations in piling operations using agent based simulation. Expert Systems With Applications, 2013, 40, 4848-4857. | 4.4 | 25 |
| 40 | FEASIBILITY STUDY OF INDUSTRIAL PROJECTS USING SIMOS™ PROCEDURE. Journal of Civil Engineering and Management, 2013, 19, 59-68. | 1.9 | 25 |
| 41 | Using BIM to Identify Claims Early in the Construction Industry: Case Study. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2018, 10, . | 0.9 | 25 |
| 42 | Science mapping analysis of embodied energy in the construction industry. Energy Reports, 2022, 8, 1362-1376. | 2.5 | 25 |
| 43 | Mitigating risks in wastewater treatment plant PPPs using minimum revenue guarantee and real options. Utilities Policy, 2018, 53, 121-133. | 2.1 | 24 |
| 44 | Fuzzy-Based Methodology for Integrated Infrastructure Asset Management. International Journal of Computational Intelligence Systems, 2017, 10, 745. | 1.6 | 24 |
| 45 | Decentralizing construction AI applications using blockchain technology. Expert Systems With Applications, 2022, 194, 116548. | 4.4 | 24 |
| 46 | Maintaining Subway Infrastructure Using BIM. , 2012, , . | | 23 |
| 47 | Socioeconomic impact assessment of highly dense-urban construction projects. Automation in Construction, 2018, 92, 230-241. | 4.8 | 23 |
| 48 | BIM Adoption in Construction Contracts: Content Analysis Approach. Journal of Construction Engineering and Management - ASCE, 2021, 147, . | 2.0 | 23 |
| 49 | Optimizing construction and demolition waste transportation for sustainable construction projects. Engineering, Construction and Architectural Management, 2021, 28, 2411-2425. | 1.8 | 22 |
| 50 | Optimizing daylight utilization of flat skylights in heritage buildings. Journal of Advanced Research, 2022, 37, 133-145. | 4.4 | 22 |
| 51 | An exponential chaotic differential evolution algorithm for optimizing bridge maintenance plans. Automation in Construction, 2022, 134, 104107. | 4.8 | 22 |
| 52 | Application of computer simulation to bridge deck construction: Case study. Automation in Construction, 2009, 18, 377-385. | 4.8 | 21 |
| 53 | Developing green bridge rating system using Simos™ procedure. HBRC Journal, 2014, 10, 176-182. | 0.2 | 21 |
| 54 | A methodology for prioritizing water mains rehabilitation in Egypt. HBRC Journal, 2015, 11, 114-128. | 0.2 | 21 |

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| 55 | Assessment of Coastal Vulnerability to Climate Change Impacts using GIS and Remote Sensing: A Case Study of Al-Alamein New City. <i>Journal of Cleaner Production</i> , 2021, 290, 125723. | 4.6 | 21 |
| 56 | Assessing Construction Engineering-Related Delays: Egyptian Perspective. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2008, 134, 315-326. | 0.9 | 20 |
| 57 | Special-Purpose Simulation Model for Balanced Cantilever Bridges. <i>Journal of Bridge Engineering</i> , 2008, 13, 122-131. | 1.4 | 20 |
| 58 | Fuzzy Clustering Model for Estimating Haulers'™ Travel Time. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004, 130, 878-886. | 2.0 | 19 |
| 59 | Optimizing thermal and visual efficiency using parametric configuration of skylights in heritage buildings. <i>Journal of Building Engineering</i> , 2020, 31, 101385. | 1.6 | 19 |
| 60 | Design for Deconstruction Using Integrated Lean Principles and BIM Approach. <i>Sustainability</i> , 2021, 13, 7856. | 1.6 | 19 |
| 61 | Selecting sustainable building materials using system dynamics and ant colony optimization. <i>Journal of Environmental Engineering and Landscape Management</i> , 2013, 21, 237-247. | 0.4 | 18 |
| 62 | An optimization-based methodology for the definition of amplitude thresholds of the ground penetrating radar. <i>Soft Computing</i> , 2019, 23, 12063-12086. | 2.1 | 18 |
| 63 | Investigating sustainability parameters of administrative buildings in Saudi Arabia. <i>Technological Forecasting and Social Change</i> , 2016, 105, 41-48. | 6.2 | 17 |
| 64 | Modeling the performance of sustainable sanitation systems using building information modeling. <i>Journal of Cleaner Production</i> , 2017, 141, 1400-1410. | 4.6 | 17 |
| 65 | Decision Making Methods and Applications in Civil Engineering. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-3. | 0.6 | 16 |
| 66 | Hybrid Elman Neural Network and an Invasive Weed Optimization Method for Bridge Defect Recognition. <i>Transportation Research Record</i> , 2021, 2675, 167-199. | 1.0 | 16 |
| 67 | Modeling Microtunneling Projects using Computer Simulation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010, 136, 670-682. | 2.0 | 15 |
| 68 | Bridge Information Modeling in Sustainable Bridge Management. , 2012, , . | | 15 |
| 69 | Assessment of existing buildings performance using system dynamics technique. <i>Applied Energy</i> , 2018, 211, 1308-1323. | 5.1 | 15 |
| 70 | Framework for Multiobjective Optimization of Launching Girder Bridges. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009, 135, 791-800. | 2.0 | 14 |
| 71 | Automated BIM schedule generation approach for solving timeâ€“cost trade-off problems. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 3346-3367. | 1.8 | 14 |
| 72 | Constraint-based genetic algorithm for earthmoving fleet selection. <i>Canadian Journal of Civil Engineering</i> , 2003, 30, 673-683. | 0.7 | 12 |

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| 73 | Applications of Building Information Modeling in Cost Estimation of Infrastructure Bridges. International Journal of 3-D Information Modeling, 2012, 1, 17-29. | 0.2 | 12 |
| 74 | Analyzing project data in BIM with descriptive analytics to improve project performance. Built Environment Project and Asset Management, 2019, 9, 476-488. | 0.9 | 12 |
| 75 | A hybrid fuzzy-optimization method for modeling construction emissions. Decision Science Letters, 2020, , 1-20. | 0.5 | 12 |
| 76 | Analysing BIM implementation in the Egyptian construction industry. Engineering, Construction and Architectural Management, 2022, 29, 4177-4190. | 1.8 | 12 |
| 77 | Building condition assessment using artificial neural network and structural equations. Expert Systems With Applications, 2021, 186, 115743. | 4.4 | 12 |
| 78 | A Multi-objective Invasive Weed Optimization Method for Segmentation of Distress Images. Intelligent Automation and Soft Computing, 2020, 26, 643-661. | 1.6 | 12 |
| 79 | USING 3D LASER SCANNING TO ANALYZE HERITAGE STRUCTURES: THE CASE STUDY OF EGYPTIAN PALACE. Journal of Civil Engineering and Management, 2020, 26, 53-65. | 1.9 | 12 |
| 80 | Analysing user daylight preferences in heritage buildings using virtual reality. Building Simulation, 2022, 15, 1561-1576. | 3.0 | 12 |
| 81 | Prioritizing water distribution pipelines rehabilitation using machine learning algorithms. Soft Computing, 2022, 26, 5179-5193. | 2.1 | 12 |
| 82 | Analyzing sustainability in low-income housing projects using system dynamics. Energy and Buildings, 2017, 134, 143-153. | 3.1 | 11 |
| 83 | Entropy-Based Automated Method for Detection and Assessment of Spalling Severities in Reinforced Concrete Bridges. Journal of Performance of Constructed Facilities, 2021, 35, . | 1.0 | 11 |
| 84 | Applications of bridge information modeling in bridges life cycle. Smart Structures and Systems, 2014, 13, 407-418. | 1.9 | 11 |
| 85 | Assessment of Indoor Air Quality in Academic Buildings Using IoT and Deep Learning. Sustainability, 2022, 14, 7015. | 1.6 | 11 |
| 86 | MEASURING SENSITIVITY OF PROCUREMENT DECISIONS USING SUPERIORITY AND INFERIORITY RANKING. International Journal of Information Technology and Decision Making, 2013, 12, 395-423. | 2.3 | 10 |
| 87 | Quantifying weather impact on formwork shuttering and removal operation using system dynamics. KSCE Journal of Civil Engineering, 2013, 17, 620-626. | 0.9 | 10 |
| 88 | ANALYZING PROCUREMENT ROUTE SELECTION FOR ELECTRIC POWER PLANTS PROJECTS USING SMART. Journal of Civil Engineering and Management, 2015, 21, 912-922. | 1.9 | 10 |
| 89 | Simulation of labor evacuation: The case of housing construction projects. HBRC Journal, 2018, 14, 198-206. | 0.2 | 10 |
| 90 | A computerized hybrid Bayesian-based approach for modelling the deterioration of concrete bridge decks. Structure and Infrastructure Engineering, 2019, 15, 1178-1199. | 2.0 | 10 |

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| 91 | Resolving deterioration of heritage building elements using an expert system. International Journal of Building Pathology and Adaptation, 2020, 38, 721-735. | 0.7 | 10 |
| 92 | A self-adaptive exhaustive search optimization-based method for restoration of bridge defects images. International Journal of Machine Learning and Cybernetics, 2020, 11, 1659-1716. | 2.3 | 10 |
| 93 | Green building system integration into project delivery utilising BIM. Environment, Development and Sustainability, 2022, 24, 6467-6480. | 2.7 | 10 |
| 94 | Integrated Augmented Reality and Cloud Computing Approach for Infrastructure Utilities Maintenance. Journal of Pipeline Systems Engineering and Practice, 2022, 13, . | 0.9 | 10 |
| 95 | Bid preparation for earthmoving operations. Canadian Journal of Civil Engineering, 2002, 29, 517-532. | 0.7 | 9 |
| 96 | Framework for economic assessment of concrete waste management strategies. Waste Management and Research, 2019, 37, 268-277. | 2.2 | 9 |
| 97 | Comparison of Several Aggregation Techniques for Deriving Analytic Network Process Weights. Water Resources Management, 2020, 34, 4901-4919. | 1.9 | 9 |
| 98 | Influence of light redirecting control element on daylight performance: A case of Egyptian heritage palace skylight. Journal of Building Engineering, 2020, 31, 101309. | 1.6 | 9 |
| 99 | Enhancing users involvement in architectural design using mobile augmented reality. Engineering, Construction and Architectural Management, 2022, 29, 2514-2534. | 1.8 | 9 |
| 100 | An integrated tool for optimizing rehabilitation programs of highways pavement. Baltic Journal of Road and Bridge Engineering, 2012, 7, 297-304. | 0.4 | 9 |
| 101 | Integrated maintenance planning approach to optimize budget allocation for subway operating systems. Tunnelling and Underground Space Technology, 2022, 121, 104322. | 3.0 | 9 |
| 102 | Chatbot for construction firms using scalable blockchain network. Automation in Construction, 2022, 141, 104390. | 4.8 | 9 |
| 103 | An optimization algorithm for simulation-based planning of low-income housing projects. Journal of Advanced Research, 2010, 1, 291-300. | 4.4 | 8 |
| 104 | An Application of ELECTRE III to Contractor Selection. , 2010, , . | | 8 |
| 105 | PLANNING OF TUNNELING PROJECTS USING COMPUTER SIMULATION AND FUZZY DECISION MAKING. Journal of Civil Engineering and Management, 2013, 19, 591-607. | 1.9 | 8 |
| 106 | Reliability Assessment of Water Distribution Networks Using Minimum Cut Set Analysis. Journal of Infrastructure Systems, 2021, 27, . | 1.0 | 8 |
| 107 | A hybrid model for selecting location of mobile cranes in bridge construction projects. Baltic Journal of Road and Bridge Engineering, 2013, 8, 184-189. | 0.4 | 8 |
| 108 | OPTIMIZING LASER SCANNING POSITIONS IN BUILDINGS EXTERIORS: HERITAGE BUILDING APPLICATION. Journal of Civil Engineering and Management, 2020, 26, 304-314. | 1.9 | 8 |

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| 109 | Modelling maintainability of healthcare facilities services systems using BIM and business intelligence. <i>Journal of Building Engineering</i> , 2022, 46, 103820. | 1.6 | 8 |
| 110 | Modeling COVID-19 effects on SDGs using system dynamics in Egypt. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59235-59246. | 2.7 | 8 |
| 111 | A Fuzzy Risk Management Framework for the Egyptian Real Estate Development Projects. , 2013, , . | | 7 |
| 112 | Fuzzy approach for optimum replacement time of mixed infrastructures. <i>Civil Engineering and Environmental Systems</i> , 2015, 32, 269-280. | 0.4 | 7 |
| 113 | Assessing design process in engineering consultancy firms using lean principles. <i>Simulation</i> , 2012, 88, 1522-1536. | 1.1 | 6 |
| 114 | PREDICTING TELECOMMUNICATION TOWER COSTS USING FUZZY SUBTRACTIVE CLUSTERING. <i>Journal of Civil Engineering and Management</i> , 2014, 21, 67-74. | 1.9 | 6 |
| 115 | Comparing Machine Learning Models For Predicting Water Pipelines Condition. , 2020, , . | | 6 |
| 116 | A comparative suitability study between classification systems for BIM in heritage. <i>International Journal of Sustainable Development and Planning</i> , 2018, 13, 130-138. | 0.3 | 6 |
| 117 | Sustainable layout design of steel buildings through embodied energy and costs optimization. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100308. | 2.1 | 6 |
| 118 | Bridge_Sim: Framework for Planning and Optimizing Bridge Deck Construction using Computer Simulation. , 2006, , . | | 5 |
| 119 | Budget allocation for water mains rehabilitation projects using Simosâ€™ procedure. <i>HBRC Journal</i> , 2017, 13, 54-60. | 0.2 | 5 |
| 120 | Production of green concrete using recycled waste aggregate and byproducts. <i>Built Environment Project and Asset Management</i> , 2017, 7, 413-425. | 0.9 | 5 |
| 121 | Multi-Criteria Ranking Tool for Evaluating Buildings Evacuation Using Agent-Based Simulation. , 2018, , . | | 5 |
| 122 | BIM-Based Facility management for water treatment plants using laser scanning. <i>Water Practice and Technology</i> , 2019, 14, 325-330. | 1.0 | 5 |
| 123 | Modelling the Deterioration of Bridge Decks Based on Semi-Markov Decision Process. <i>International Journal of Strategic Decision Sciences</i> , 2019, 10, 23-45. | 0.0 | 5 |
| 124 | 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, 04021100. | 2.0 | 5 |
| 125 | Data Acquisition and Structural Analysis for Bridge Deck Condition Assessment Using Ground Penetration Radar. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, . | 1.0 | 5 |
| 126 | Establishing Multi-level Performance Condition Indices for Public Schools Maintenance Program Using AHP and Fuzzy Logic. <i>Studies in Informatics and Control</i> , 2016, 25, . | 0.6 | 5 |

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| 127 | FUZZY MONTE CARLO SIMULATION OPTIMIZATION FOR SELECTING MATERIALS IN GREEN BUILDINGS. Journal of Environmental Engineering and Landscape Management, 2020, 28, 95-104. | 0.4 | 5 |
| 128 | Integrated approach for sustainability assessment in power plant projects using Building Information Modeling. Energy for Sustainable Development, 2022, 66, 222-237. | 2.0 | 5 |
| 129 | Modeling evacuation and visitation proximity in museums using agent-based simulation. Journal of Building Engineering, 2022, 56, 104794. | 1.6 | 5 |
| 130 | A hybrid Fuzzy C-Means Clustering-AHP framework to select construction contractors. , 2013, , . | | 4 |
| 131 | Mid-term Outcomes in Nonelderly Adults Undergoing Surgery for Isolated Aortic Valve Infective Endocarditis: Results From Two Canadian Centers. Canadian Journal of Cardiology, 2019, 35, 1475-1482. | 0.8 | 4 |
| 132 | Automated System for Cost Estimating of Earthmoving Operations. , 2000, , . | | 4 |
| 133 | Smart archiving of energy and petroleum projects utilizing big data analytics. Automation in Construction, 2022, 133, 104005. | 4.8 | 4 |
| 134 | Selecting Building Materials Using System Dynamics and Ant Colony Optimization. , 2012, , . | | 3 |
| 135 | Fuzzy Consensus Qualitative Risk Analysis Framework for Building Construction Projects. , 2013, , . | | 3 |
| 136 | Modeling housing supply and demand using system dynamics. Housing, Care and Support, 2016, 19, 64-80. | 0.2 | 3 |
| 137 | Towards evaluation and prediction of building sustainability using life cycle behaviour simulation. MATEC Web of Conferences, 2017, 120, 08002. | 0.1 | 3 |
| 138 | Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique. International Journal of Natural Computing Research, 2017, 6, 38-57. | 0.5 | 3 |
| 139 | Quality analysis using three-dimensional modelling and image processing techniques. Construction Innovation, 2019, 19, 614-628. | 1.5 | 3 |
| 140 | An Invasive Weed Optimization-Based Fuzzy Decision-making Framework for Bridge Intervention Prioritization in Element and Network Levels. International Journal of Information Technology and Decision Making, 2020, 19, 1189-1246. | 2.3 | 3 |
| 141 | Fuzzy model for assessing delays in Egyptian residential projects. Journal of Financial Management of Property and Construction, 2020, 25, 225-246. | 0.9 | 3 |
| 142 | Investigating parameters affecting maintenance of heritage buildings in Egypt. International Journal of Building Pathology and Adaptation, 2020, ahead-of-print, . | 0.7 | 3 |
| 143 | Web-Based Tool for Interoperability among Structural Analysis Applications. Journal of Construction Engineering and Management - ASCE, 2020, 146, . | 2.0 | 3 |
| 144 | Predicting buildings life cycle sustainability behaviour using system dynamics. Architectural Engineering and Design Management, 2023, 19, 323-339. | 1.2 | 3 |

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| 145 | Modeling investment policies effect on environmental indicators in Egyptian construction sector using system dynamics. Cleaner Engineering and Technology, 2022, 6, 100368. | 2.1 | 3 |
| 146 | Mapping Ground Penetrating Radar Amplitudes Using Artificial Neural Network and Multiple Regression Analysis Methods. International Journal of Strategic Decision Sciences, 2019, 10, 84-106. | 0.0 | 2 |
| 147 | A Grey Wolf Optimization-Based Method for Segmentation and Evaluation of Scaling in Reinforced Concrete Bridges. International Journal of Information Technology and Decision Making, 0, , 1-54. | 2.3 | 2 |
| 148 | MODELING RISKS IN REAL ESTATE DEVELOPMENT PROJECTS: A CASE FOR EGYPT. International Journal of Strategic Property Management, 2018, 22, 447-456. | 0.8 | 2 |
| 149 | Simulation-based model for optimizing highways resurfacing operations. Baltic Journal of Road and Bridge Engineering, 2014, 9, 58-65. | 0.4 | 2 |
| 150 | Facility management of gas turbine power plants using 3D laser scanning. HBRC Journal, 2022, 18, 73-83. | 0.2 | 2 |
| 151 | Selecting feasible standard form of construction contracts using text analysis. Advanced Engineering Informatics, 2022, 52, 101569. | 4.0 | 2 |
| 152 | Valuation of Minimum Revenue Guarantees for PPP Wastewater Treatment Plants. , 2012, , . | | 1 |
| 153 | A simulation optimisation tool for planning of low-income housing projects. Civil Engineering and Environmental Systems, 2014, 31, 51-63. | 0.4 | 1 |
| 154 | Identifying the Optimal Execution Plan for Slum Infrastructure Upgrading Projects. , 2016, , . | | 1 |
| 155 | Fuzzy-Based Methodology for Risk Assessment in Water Treatment Plants. Journal of Performance of Constructed Facilities, 2018, 32, . | 1.0 | 1 |
| 156 | A fuzzy expert system model for risks qualification in real estate projects. International Journal of Sustainable Real Estate and Construction Economics, 2018, 1, 142. | 0.2 | 1 |
| 157 | Applying system archetypes in real estate development crises. Systems Research and Behavioral Science, 2021, 38, 911-922. | 0.9 | 1 |
| 158 | On the Use of Ground Penetrating Radar for Bridge Deck Assessment. DEStech Transactions on Computer Science and Engineering, 2018, , . | 0.1 | 1 |
| 159 | Simulation of Resurfacing Pavement Operation of Highways under Lane Closure Condition. , 2011, , . | | 1 |
| 160 | The State of Computer Simulation Applications in Construction. , 2010, , 509-534. | | 1 |
| 161 | The State of Computer Simulation Applications in Construction. , 0, , 1554-1576. | | 1 |
| 162 | Discussion of "Incorporating Practicability into Genetic Algorithm-Based Time-Cost Optimization" by Bryan Christopher Que. Journal of Construction Engineering and Management - ASCE, 2003, 129, 706-707. | 2.0 | 0 |

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| 163 | Discussion of "Clustering Technique for Evaluating and Validating Neural Network Performance" by Jonathan Jingsheng Shi. Journal of Computing in Civil Engineering, 2004, 18, 182-183. | 2.5 | 0 |
| 164 | Health Effects Associated With Passenger Vehicles: Monetary Values of Air Pollution. Archives of Environmental and Occupational Health, 2012, 67, 145-154. | 0.7 | 0 |
| 165 | Comparative Analysis of Bridges Construction Methods Using Bridge Information Modeling. International Journal of 3-D Information Modeling, 2018, 7, 39-53. | 0.2 | 0 |
| 166 | Ontological Classification for Heritage Computer Aided Design. , 2018, , . | | 0 |
| 167 | Mapping Ground Penetrating Radar Amplitudes Using Artificial Neural Network and Multiple Regression Analysis Methods. , 2022, , 1052-1076. | | 0 |
| 168 | Conceptual Cost Estimation of Pump Stations Projects Using Fuzzy Clustering. , 2011, , . | | 0 |
| 169 | A Probabilistic-Based Deterioration Model Using Ground Penetrating Radar. , 2018, , . | | 0 |
| 170 | Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique. , 2020, , 1396-1416. | | 0 |
| 171 | Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique. , 2020, , 730-750. | | 0 |
| 172 | System dynamics applications in crisis management: A literature review. Journal of Simulation, 2023, 17, 800-817. | 1.0 | 0 |