

Mohamed M Marzouk

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.

160

papers

2,115

citations

26

h-index

39

g-index

176

ext. papers

2,743

ext. citations

4.1

avg, IF

6.1

L-index

#	Paper	IF	Citations
160	Facility management of gas turbine power plants using 3D laser scanning. <i>HBRC Journal</i> , 2022 , 18, 73-83	0.9	0
159	Decentralizing construction AI applications using blockchain technology. <i>Expert Systems With Applications</i> , 2022 , 194, 116548	7.8	3
158	Modelling maintainability of healthcare facilities services systems using BIM and business intelligence. <i>Journal of Building Engineering</i> , 2022 , 46, 103820	5.2	0
157	Integrated approach for sustainability assessment in power plant projects using Building Information Modeling. <i>Energy for Sustainable Development</i> , 2022 , 66, 222-237	5.4	2
156	Modeling investment policies effect on environmental indicators in Egyptian construction sector using system dynamics. <i>Cleaner Engineering and Technology</i> , 2022 , 6, 100368	2.7	1
155	An exponential chaotic differential evolution algorithm for optimizing bridge maintenance plans. <i>Automation in Construction</i> , 2022 , 134, 104107	9.6	3
154	Integrated maintenance planning approach to optimize budget allocation for subway operating systems. <i>Tunnelling and Underground Space Technology</i> , 2022 , 121, 104322	5.7	0
153	Science mapping analysis of embodied energy in the construction industry. <i>Energy Reports</i> , 2022 , 8, 13624-13762	13.76	2
152	Smart archiving of energy and petroleum projects utilizing big data analytics. <i>Automation in Construction</i> , 2022 , 133, 104005	9.6	3
151	Optimizing daylight utilization of flat skylights in heritage buildings.. <i>Journal of Advanced Research</i> , 2022 , 37, 133-145	13	3
150	Integrated Augmented Reality and Cloud Computing Approach for Infrastructure Utilities Maintenance. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022 , 13, 04021064	1.5	0
149	Mapping Ground Penetrating Radar Amplitudes Using Artificial Neural Network and Multiple Regression Analysis Methods 2022 , 1052-1076		
148	Selecting feasible standard form of construction contracts using text analysis. <i>Advanced Engineering Informatics</i> , 2022 , 52, 101569	7.4	
147	Automated BIM schedule generation approach for solving time-cost trade-off problems. <i>Engineering, Construction and Architectural Management</i> , 2021 , 28, 3346-3367	3.1	5
146	Sustainable layout design of steel buildings through embodied energy and costs optimization. <i>Cleaner Engineering and Technology</i> , 2021 , 5, 100308	2.7	1
145	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	10.3	7
144	AHP-TOPSIS social sustainability approach for selecting supplier in construction supply chain. <i>Cleaner Environmental Systems</i> , 2021 , 2, 100034	2	6

143	Enhancing users involvement in architectural design using mobile augmented reality. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	2
142	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
141	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
140	Reliability Assessment of Water Distribution Networks Using Minimum Cut Set Analysis. <i>Journal of Infrastructure Systems</i> , 2021 , 27, 04020048	2.9	2
139	Design for Deconstruction Using Integrated Lean Principles and BIM Approach. <i>Sustainability</i> , 2021 , 13, 7856	3.6	3
138	BIM Adoption in Construction Contracts: Content Analysis Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021094	4.2	6
137	Deep learning model for forecasting COVID-19 outbreak in Egypt. <i>Chemical Engineering Research and Design</i> , 2021 , 153, 363-375	5.5	15
136	Analysing BIM implementation in the Egyptian construction industry. <i>Engineering, Construction and Architectural Management</i> , 2021 , ahead-of-print,	3.1	1
135	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
134	Data Acquisition and Structural Analysis for Bridge Deck Condition Assessment Using Ground Penetration Radar. <i>Journal of Performance of Constructed Facilities</i> , 2021 , 35, 04021064	2	2
133	Digitizing material passport for sustainable construction projects using BIM. <i>Journal of Building Engineering</i> , 2021 , 43, 103233	5.2	6
132	Building condition assessment using artificial neural network and structural equations. <i>Expert Systems With Applications</i> , 2021 , 186, 115743	7.8	3
131	Application of Modified Invasive Weed Algorithm for Condition-Based Budget Allocation of Water Distribution Networks. <i>Sustainable Civil Infrastructures</i> , 2021 , 121-131	0.2	
130	Optimizing construction and demolition waste transportation for sustainable construction projects. <i>Engineering, Construction and Architectural Management</i> , 2020 , ahead-of-print,	3.1	5
129	BIM and semantic web-based maintenance information for existing buildings. <i>Automation in Construction</i> , 2020 , 116, 103209	9.6	19
128	Planning utility infrastructure requirements for smart cities using the integration between BIM and GIS. <i>Sustainable Cities and Society</i> , 2020 , 57, 102120	10.1	33
127	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
126	Optimizing thermal and visual efficiency using parametric configuration of skylights in heritage buildings. <i>Journal of Building Engineering</i> , 2020 , 31, 101385	5.2	8

125	Influence of light redirecting control element on daylight performance: A case of Egyptian heritage palace skylight. <i>Journal of Building Engineering</i> , 2020 , 31, 101309	5.2	5
124	Web-Based Tool for Interoperability among Structural Analysis Applications. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020058	4.2	1
123	Application of Evolutionary Optimization Algorithms for Rehabilitation of Water Distribution Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020069	4.2	18
122	Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique 2020 , 730-750		
121	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
120	USING 3D LASER SCANNING TO ANALYZE HERITAGE STRUCTURES: THE CASE STUDY OF EGYPTIAN PALACE. <i>Journal of Civil Engineering and Management</i> , 2020 , 26, 53-65	3	7
119	OPTIMIZING LASER SCANNING POSITIONS IN BUILDINGS EXTERIORS: HERITAGE BUILDING APPLICATION. <i>Journal of Civil Engineering and Management</i> , 2020 , 26, 304-314	3	5
118	FUZZY MONTE CARLO SIMULATION OPTIMIZATION FOR SELECTING MATERIALS IN GREEN BUILDINGS. <i>Journal of Environmental Engineering and Landscape Management</i> , 2020 , 28, 95-104	1.1	0
117	Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique 2020 , 1396-1416		
116	A hybrid fuzzy-optimization method for modeling construction emissions. <i>Decision Science Letters</i> , 2020 , 1-20	1.3	9
115	A BIM-based framework for quantitative assessment of steel structure deconstructability. <i>Automation in Construction</i> , 2020 , 111, 103064	9.6	27
114	Artificial intelligence exploitation in facility management using deep learning. <i>Construction Innovation</i> , 2020 , 20, 609-624	4.1	6
113	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
112	Resolving deterioration of heritage building elements using an expert system. <i>International Journal of Building Pathology and Adaptation</i> , 2020 , 38, 721-735	1.6	4
111	Fuzzy model for assessing delays in Egyptian residential projects. <i>Journal of Financial Management of Property and Construction</i> , 2020 , 25, 225-246	1.5	1
110	Comparison of Several Aggregation Techniques for Deriving Analytic Network Process Weights. <i>Water Resources Management</i> , 2020 , 34, 4901-4919	3.7	3
109	Investigating parameters affecting maintenance of heritage buildings in Egypt. <i>International Journal of Building Pathology and Adaptation</i> , 2020 , ahead-of-print,	1.6	1
108	Comparing Machine Learning Models For Predicting Water Pipelines Condition 2020 ,		2

107	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
106	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
105	Analyzing project data in BIM with descriptive analytics to improve project performance. <i>Built Environment Project and Asset Management</i> , 2019 , 9, 476-488	1.9	9
104	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
103	BIM-Based Facility management for water treatment plants using laser scanning. <i>Water Practice and Technology</i> , 2019 , 14, 325-330	0.9	3
102	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
101	Quality analysis using three-dimensional modelling and image processing techniques. <i>Construction Innovation</i> , 2019 , 19, 614-628	4.1	1
100	Mid-term Outcomes in Nonelderly Adults Undergoing Surgery for Isolated Aortic Valve Infective Endocarditis: Results From Two Canadian Centers. <i>Canadian Journal of Cardiology</i> , 2019 , 35, 1475-1482	3.8	3
99	Text analytics to analyze and monitor construction project contract and correspondence. <i>Automation in Construction</i> , 2019 , 98, 265-274	9.6	36
98	Integrated agent-based simulation and multi-criteria decision making approach for buildings evacuation evaluation. <i>Safety Science</i> , 2019 , 112, 57-65	5.8	18
97	Framework for economic assessment of concrete waste management strategies. <i>Waste Management and Research</i> , 2019 , 37, 268-277	4	3
96	Using BIM to Identify Claims Early in the Construction Industry: Case Study. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2018 , 10, 05018001	1.7	15
95	Mobile augmented reality applications for construction projects. <i>Construction Innovation</i> , 2018 , 18, 152-166	16.6	44
94	Assessment of existing buildings performance using system dynamics technique. <i>Applied Energy</i> , 2018 , 211, 1308-1323	10.7	10
93	Fuzzy-Based Methodology for Risk Assessment in Water Treatment Plants. <i>Journal of Performance of Constructed Facilities</i> , 2018 , 32, 04017129	2	1
92	Multi-Criteria Ranking Tool for Evaluating Buildings Evacuation Using Agent-Based Simulation 2018		2
91	Socioeconomic impact assessment of highly dense-urban construction projects. <i>Automation in Construction</i> , 2018 , 92, 230-241	9.6	14
90	BIM-based approach for optimizing life cycle costs of sustainable buildings. <i>Journal of Cleaner Production</i> , 2018 , 188, 217-226	10.3	79

89	Simulation of labor evacuation: The case of housing construction projectsPeer review under responsibility of Housing and Building National Research Center.View all notes. <i>HBRC Journal</i> , 2018 , 14, 198-206	0.9	8
88	Tower cranes layout planning using agent-based simulation considering activity conflicts. <i>Automation in Construction</i> , 2018 , 93, 348-360	9.6	32
87	Planning labor evacuation for construction sites using BIM and agent-based simulation. <i>Safety Science</i> , 2018 , 109, 174-185	5.8	42
86	Mitigating risks in wastewater treatment plant PPPs using minimum revenue guarantee and real options. <i>Utilities Policy</i> , 2018 , 53, 121-133	3.3	14
85	MODELING RISKS IN REAL ESTATE DEVELOPMENT PROJECTS: A CASE FOR EGYPT. <i>International Journal of Strategic Property Management</i> , 2018 , 22, 447-456	1.9	1
84	A comparative suitability study between classification systems for BIM in heritage. <i>International Journal of Sustainable Development and Planning</i> , 2018 , 13, 130-138	2	3
83	Comparative Analysis of Bridges Construction Methods Using Bridge Information Modeling. <i>International Journal of 3-D Information Modeling</i> , 2018 , 7, 39-53		
82	A fuzzy expert system model for risks qualification in real estate projects. <i>International Journal of Sustainable Real Estate and Construction Economics</i> , 2018 , 1, 142	0.1	1
81	Budget allocation for water mains rehabilitation projects using Simos procedurePeer review under responsibility of Housing and Building National Research Center.View all notes. <i>HBRC Journal</i> , 2017 , 13, 54-60	0.9	3
80	Building information modeling-based model for calculating direct and indirect emissions in construction projects. <i>Journal of Cleaner Production</i> , 2017 , 152, 351-363	10.3	46
79	Selecting Demolition Waste Materials Disposal Alternatives Using Fuzzy TOPSIS Technique. <i>International Journal of Natural Computing Research</i> , 2017 , 6, 38-57	0.6	2
78	Production of green concrete using recycled waste aggregate and byproducts. <i>Built Environment Project and Asset Management</i> , 2017 , 7, 413-425	1.9	3
77	Analyzing sustainability in low-income housing projects using system dynamics. <i>Energy and Buildings</i> , 2017 , 134, 143-153	7	9
76	Modeling the performance of sustainable sanitation systems using building information modeling. <i>Journal of Cleaner Production</i> , 2017 , 141, 1400-1410	10.3	9
75	Towards evaluation and prediction of building sustainability using life cycle behaviour simulation. <i>MATEC Web of Conferences</i> , 2017 , 120, 08002	0.3	2
74	Assessing Environmental Impact Indicators in Road Construction Projects in Developing Countries. <i>Sustainability</i> , 2017 , 9, 843	3.6	28
73	Fuzzy-Based Methodology for Integrated Infrastructure Asset Management. <i>International Journal of Computational Intelligence Systems</i> , 2017 , 10, 745	3.4	17
72	Modeling housing supply and demand using system dynamics. <i>Housing, Care and Support</i> , 2016 , 19, 64-80.	1.1	1

71	Investigating sustainability parameters of administrative buildings in Saudi Arabia. <i>Technological Forecasting and Social Change</i> , 2016 , 105, 41-48	9.5	14
70	Estimating water treatment plants costs using factor analysis and artificial neural networks. <i>Journal of Cleaner Production</i> , 2016 , 112, 4540-4549	10.3	33
69	Decision support for tower crane selection with building information models and genetic algorithms. <i>Automation in Construction</i> , 2016 , 61, 1-15	9.6	61
68	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,	2.1	3
67	ANALYZING PROCUREMENT ROUTE SELECTION FOR ELECTRIC POWER PLANTS PROJECTS USING SMART. <i>Journal of Civil Engineering and Management</i> , 2015 , 21, 912-922	3	9
66	A methodology for prioritizing water mains rehabilitation in EgyptPeer review under responsibility of Housing and Building National Research Center.View all notes. <i>HBRC Journal</i> , 2015 , 11, 114-128	0.9	15
65	Solving Civil Engineering Problems by Means of Fuzzy and Stochastic MCDM Methods: Current State and Future Research. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-16	1.1	49
64	Decision Making Methods and Applications in Civil Engineering. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-3	1.1	14
63	Fuzzy approach for optimum replacement time of mixed infrastructures. <i>Civil Engineering and Environmental Systems</i> , 2015 , 32, 269-280	2.1	5
62	BIM-based framework for managing performance of subway stations. <i>Automation in Construction</i> , 2014 , 41, 70-77	9.6	26
61	Environmental and economic impact assessment of construction and demolition waste disposal using system dynamics. <i>Resources, Conservation and Recycling</i> , 2014 , 82, 41-49	11.9	176
60	Developing green bridge rating system using Simos procedurePeer review under responsibility of Housing and Building National Research Center.View all notes. <i>HBRC Journal</i> , 2014 , 10, 176-182	0.9	17
59	Implementing earned value management using bridge information modeling. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 1302-1313	1.9	35
58	Monitoring thermal comfort in subways using building information modeling. <i>Energy and Buildings</i> , 2014 , 84, 252-257	7	75
57	Analyzing delay causes in Egyptian construction projects. <i>Journal of Advanced Research</i> , 2014 , 5, 49-55	13	107
56	A simulation optimisation tool for planning of low-income housing projects. <i>Civil Engineering and Environmental Systems</i> , 2014 , 31, 51-63	2.1	1
55	PREDICTING TELECOMMUNICATION TOWER COSTS USING FUZZY SUBTRACTIVE CLUSTERING. <i>Journal of Civil Engineering and Management</i> , 2014 , 21, 67-74	3	6
54	Applications of bridge information modeling in bridges life cycle. <i>Smart Structures and Systems</i> , 2014 , 13, 407-418		8

53	Simulation-based model for optimizing highways resurfacing operations. <i>Baltic Journal of Road and Bridge Engineering</i> , 2014 , 9, 58-65	0.9	1
52	MEASURING SENSITIVITY OF PROCUREMENT DECISIONS USING SUPERIORITY AND INFERIORITY RANKING. <i>International Journal of Information Technology and Decision Making</i> , 2013 , 12, 395-423	2.8	9
51	Quantifying weather impact on formwork shuttering and removal operation using system dynamics. <i>KSCE Journal of Civil Engineering</i> , 2013 , 17, 620-626	1.9	7
50	Factors influencing sub-contractors selection in construction projectsPeer review under responsibility of Housing and Building National Research Center.View all notes. <i>HBRC Journal</i> , 2013 , 9, 150-158	0.9	28
49	Selecting sustainable building materials using system dynamics and ant colony optimization. <i>Journal of Environmental Engineering and Landscape Management</i> , 2013 , 21, 237-247	1.1	12
48	Modeling safety considerations and space limitations in piling operations using agent based simulation. <i>Expert Systems With Applications</i> , 2013 , 40, 4848-4857	7.8	15
47	Predicting Construction Materials Prices Using Fuzzy Logic and Neural Networks. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 1190-1198	4.2	26
46	FEASIBILITY STUDY OF INDUSTRIAL PROJECTS USING SIMOSIPROCEDURE. <i>Journal of Civil Engineering and Management</i> , 2013 , 19, 59-68	3	22
45	A Fuzzy Risk Management Framework for the Egyptian Real Estate Development Projects 2013 ,		3
44	ERRATUM ON THE ARTICLE PLANNING OF TUNNELING PROJECTS USING COMPUTER SIMULATION AND FUZZY DECISION MAKING((DOI:10.3846/13923730.2013.793608). <i>Journal of Civil Engineering and Management</i> , 2013 , 19, 773-773	3	
43	2013 ,		3
42	Multiobjective optimisation algorithm for sewer network rehabilitation. <i>Structure and Infrastructure Engineering</i> , 2013 , 9, 1094-1102	2.9	26
41	PLANNING OF TUNNELING PROJECTS USING COMPUTER SIMULATION AND FUZZY DECISION MAKING. <i>Journal of Civil Engineering and Management</i> , 2013 , 19, 591-607	3	5
40	A hybrid model for selecting location of mobile cranes in bridge construction projects. <i>Baltic Journal of Road and Bridge Engineering</i> , 2013 , 8, 184-189	0.9	6
39	Assessing design process in engineering consultancy firms using lean principles. <i>Simulation</i> , 2012 , 88, 1522-1536	1.2	4
38	Selecting Building Materials Using System Dynamics and Ant Colony Optimization 2012 ,		2
37	Applications of Building Information Modeling in Cost Estimation of Infrastructure Bridges. <i>International Journal of 3-D Information Modeling</i> , 2012 , 1, 17-29		10
36	Maintaining Subway Infrastructure Using BIM 2012 ,		16

35	Bridge Information Modeling in Sustainable Bridge Management 2012 ,		8
34	Health effects associated with passenger vehicles: monetary values of air pollution. <i>Archives of Environmental and Occupational Health</i> , 2012 , 67, 145-54	2	
33	An integrated tool for optimizing rehabilitation programs of highways pavement. <i>Baltic Journal of Road and Bridge Engineering</i> , 2012 , 7, 297-304	0.9	7
32	A case-based reasoning approach for estimating the costs of pump station projects. <i>Journal of Advanced Research</i> , 2011 , 2, 289-295	13	24
31	ELECTRE III model for value engineering applications. <i>Automation in Construction</i> , 2011 , 20, 596-600	9.6	73
30	DISPUTE RESOLUTION AIDED TOOL FOR CONSTRUCTION PROJECTS IN EGYPT / GINĀ SPRENDIMO PAGALBOS PRIEMONĖTATYBOS PROJEKTAMS EGIPTĖ. <i>Journal of Civil Engineering and Management</i> , 2011 , 17, 63-71	3	15
29	Modeling Microtunneling Projects using Computer Simulation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 670-682	4.2	8
28	An Application of ELECTRE III to Contractor Selection 2010 ,		6
27	An optimization algorithm for simulation-based planning of low-income housing projects. <i>Journal of Advanced Research</i> , 2010 , 1, 291-300	13	7
26	The State of Computer Simulation Applications in Construction 2010 , 509-534		1
25	Framework for Multiobjective Optimization of Launching Girder Bridges. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 791-800	4.2	12
24	Application of computer simulation to bridge deck construction: Case study. <i>Automation in Construction</i> , 2009 , 18, 377-385	9.6	17
23	A superiority and inferiority ranking model for contractor selection. <i>Construction Innovation</i> , 2008 , 8, 250-268	4.1	27
22	Handling construction pollutions using multi-objective optimization. <i>Construction Management and Economics</i> , 2008 , 26, 1113-1125	3	28
21	Assessing Construction Engineering-Related Delays: Egyptian Perspective. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2008 , 134, 315-326	0.7	16
20	Special-Purpose Simulation Model for Balanced Cantilever Bridges. <i>Journal of Bridge Engineering</i> , 2008 , 13, 122-131	2.7	13
19	APPLICATION OF COMPUTER SIMULATION TO CONSTRUCTION OF INCREMENTAL LAUNCHING BRIDGES. <i>Journal of Civil Engineering and Management</i> , 2007 , 13, 27-36	3	30
18	Bridge_Sim: Framework for Planning and Optimizing Bridge Deck Construction using Computer Simulation 2006 ,		4

17	Fuzzy Clustering Model for Estimating Haulers' Travel Time. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004 , 130, 878-886	4.2	16
16	Discussion of Clustering Technique for Evaluating and Validating Neural Network Performance by Jonathan Jingsheng Shi. <i>Journal of Computing in Civil Engineering</i> , 2004 , 18, 182-183	5	
15	Multiobjective Optimization of Earthmoving Operations. <i>Journal of Construction Engineering and Management - ASCE</i> , 2004 , 130, 105-113	4.2	71
14	Object-oriented Simulation Model for Earthmoving Operations. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 173-181	4.2	53
13	Constraint-based genetic algorithm for earthmoving fleet selection. <i>Canadian Journal of Civil Engineering</i> , 2003 , 30, 673-683	1.3	8
12	Discussion of Incorporating Practicability into Genetic Algorithm-Based Time-Cost Optimization by Bryan Christopher Que. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 706-707	4.2	26
11	Bid preparation for earthmoving operations. <i>Canadian Journal of Civil Engineering</i> , 2002 , 29, 517-532	1.3	6
10	Incorporating Practicability into Genetic Algorithm-Based Time-Cost Optimization. <i>Journal of Construction Engineering and Management - ASCE</i> , 2002 , 128, 139-143	4.2	26
9	Simulation optimization for earthmoving operations using genetic algorithms. <i>Construction Management and Economics</i> , 2002 , 20, 535-543	3	20
8	Clustering Technique for Evaluating and Validating Neural Network Performance. <i>Journal of Computing in Civil Engineering</i> , 2002 , 16, 152-155	5	22
7	Automated System for Cost Estimating of Earthmoving Operations 2000 ,		3
6	Analysing user daylight preferences in heritage buildings using virtual reality. <i>Building Simulation</i> ,1	3.9	1
5	The State of Computer Simulation Applications in Construction1554-1576		
4	A Grey Wolf Optimization-Based Method for Segmentation and Evaluation of Scaling in Reinforced Concrete Bridges. <i>International Journal of Information Technology and Decision Making</i> ,1-54	2.8	2
3	Predicting buildings life cycle sustainability behaviour using system dynamics. <i>Architectural Engineering and Design Management</i> ,1-17	1.2	0
2	Green building system integration into project delivery utilising BIM. <i>Environment, Development and Sustainability</i> ,1	4.5	0
1	Prioritizing water distribution pipelines rehabilitation using machine learning algorithms. <i>Soft Computing</i> ,1	3.5	0