Simaan M Abourizk

List of Publications by Year in Descending Order

188 papers	3,489 citations	32 h-index	51 g-index
206 ext. papers	4,080 ext. citations	4.4 avg, IF	5.75 L-index

#	Paper	IF	Citations
188	Automating Common Data Integration for Improved Data-Driven Decision-Support System in Industrial Construction. *Journal of Computing in Civil Engineering*, **2022**, 36,	5	1
187	Numerical-Based Approach for Updating Simulation Input in Real Time. *Journal of Computing in Civil Engineering*, **2021**, 35, 04020067	5	4
186	Hybrid multi-mode simulation and optimization for subarea scheduling in heavy industrial construction. *Automation in Construction*, **2021**, 125, 103616	9.6	4
185	Automated Extraction and Time-Cost Prediction of Contractual Reporting Requirements in Construction Using Natural Language Processing and Simulation. *Applied Sciences (Switzerland)*, **2021**, 11, 6188	2.6	4
184	A hybrid simulation approach for microtunneling construction planning. *Construction Innovation*, **2021**, 21, 363-378	4.1	0
183	Data-Driven Simulation Approach for Short-Term Planning of Winter Highway Maintenance Operations. *Journal of Computing in Civil Engineering*, **2021**, 35, 04021013	5	0
182	Simulation-Based Approach for Lookahead Scheduling of Onshore Wind Projects Subject to Weather Risk. *Sustainability*, **2021**, 13, 10060	3.6	1
181	Construction Site Layout Planning Using a Simulation-Based Decision Support Tool. *Logistics*, **2021**, 5, 65	3.5	2
180	Intelligent data-driven approach for enhancing preliminary resource planning in industrial construction. *Automation in Construction*, **2021**, 130, 103846	9.6	5
179	Social network analysis of change management processes for communication assessment. *Automation in Construction*, **2020**, 118, 103292	9.6	12
178	Data-Driven Simulation-Based Analytics for Heavy Equipment Life-Cycle Cost. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020038	4.2	7
177	Distributed Simulation-Based Analytics Approach for Enhancing Safety Management Systems in Industrial Construction. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04019091	4.2	7
176	Dynamic, Data-Driven Decision-Support Approach for Construction Equipment Acquisition and Disposal. *Journal of Computing in Civil Engineering*, **2020**, 34, 04019053	5	6
175	Finding Causal Paths between Safety Management System Factors and Accident Precursors. *Journal of Management in Engineering - ASCE*, **2020**, 36, 04019049	5.3	15
174	Automation in Extraction and Sharing Information between BIM and Project Management Databases **2020**,		2
173	Fuzzy-Based Multivariate Analysis for Input Modeling of Risk Assessment in Wind Farm Projects. *Algorithms*, **2020**, 13, 325	1.8	2
172	A decision support tool for planning module installation in industrial construction. *Engineering, Construction and Architectural Management*, **2020**, 27, 2615-2641	3.1	3

171	Integrated lean concepts and continuous/discrete-event simulation to examine productivity improvement in door assembly-line for residential buildings. *International Journal of Construction Management*, **2020**, 1-12	1.9	0
170	Bayesian Inference with Markov Chain Monte Carlo-Based Numerical Approach for Input Model Updating. *Journal of Computing in Civil Engineering*, **2020**, 34, 04019043	5	12
169	Integrated data-driven approach for analyzing pipe welding operator-quality performance. *Automation in Construction*, **2019**, 106, 102814	9.6	8
168	Equipment Logistics Performance Measurement Using Data-Driven Social Network Analysis. *Journal of Construction Engineering and Management - ASCE*, **2019**, 145, 04019033	4.2	5
167	Stratified statistical analysis for effectiveness evaluation of frontline worker safety intervention: Case study of construction steel fabrication. *Safety Science*, **2019**, 115, 89-102	5.8	6
166	Enhanced Welding Operator Quality Performance Measurement: Work Experience-Integrated Bayesian Prior Determination **2019**,		1
165	Simulation-Based Analytics for Quality Control Decision Support: Pipe Welding Case Study. *Journal of Computing in Civil Engineering*, **2018**, 32, 05018002	5	13
164	A hybrid information fusion approach to safety risk perception using sensor data under uncertainty. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 105-122	3.5	13
163	Identification and Association of High-Priority Safety Management System Factors and Accident Precursors for Proactive Safety Assessment and Control. *Journal of Management in Engineering - ASCE*, **2018**, 34, 04017041	5.3	18
162	Case-Based Reasoning Approach for Assessing Safety Performance Using Safety-Related Measures. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04018088	4.2	15
161	An integrated ergonomics framework for evaluation and design of construction operations. *Automation in Construction*, **2018**, 95, 72-85	9.6	15
160	Integrating Case-Based Reasoning and Simulation Modeling for Testing Strategies to Control Safety Performance. *Journal of Computing in Civil Engineering*, **2018**, 32, 04018047	5	11
159	Data-Driven Simulation Model for Quality-Induced Rework Cost Estimation and Control Using Absorbing Markov Chains. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04018078	4.2	10
158	Reaction Time Optimization Based on Sensor Data-Driven Simulation for Snow Removal Projects **2018**,		1
157	IMPROVING TUNNELING SIMULATION USING BAYESIAN UPDATING AND HIDDEN MARKOV CHAINS **2018**,		2
156	A simulation and visualization-based framework of labor efficiency and safety analysis for prevention through design and planning. *Automation in Construction*, **2018**, 96, 310-323	9.6	15
155	Complexity Analysis Approach for Prefabricated Construction Products Using Uncertain Data Clustering. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04018063	4.2	11
154	Empirical Testing for Use of Safety Related Measures at the Organizational Level to Assess and Control the On-Site Risk Level. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 05017004	4.2	5

153	Site Layout and Construction Plan Optimization Using an Integrated Genetic Algorithm Simulation Framework. *Journal of Computing in Civil Engineering*, **2017**, 31, 04017011	5	38
152	Optimizing the Owner's Scenarios for Budget Allocation in a Portfolio of Projects Using Agent-Based Simulation. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 04017022	4.2	6
151	Fuzzy cognitive maps enabled root cause analysis in complex projects. *Applied Soft Computing Journal*, **2017**, 57, 235-249	7.5	25
150	Stochastic Modeling for Assessment of Human Perception and Motion Sensing Errors in Ergonomic Analysis. *Journal of Computing in Civil Engineering*, **2017**, 31, 04017010	5	14
149	Performing Global Uncertainty and Sensitivity Analysis from Given Data in Tunnel Construction. *Journal of Computing in Civil Engineering*, **2017**, 31, 04017065	5	27
148	Credible interval estimation for fraction nonconforming: Analytical and numerical solutions. *Automation in Construction*, **2017**, 83, 56-67	9.6	15
147	Operation Effort Optimization for Planning Performance-Based Snow-Removal Projects. *Journal of Computing in Civil Engineering*, **2017**, 31, 04017060	5	0
146	The University of Alberta's Hole School of Construction Engineering: 25 Years of Impact and Innovation. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 02517001	4.2	
145	Intelligent Approach to Estimation of Tunnel-Induced Ground Settlement Using Wavelet Packet and Support Vector Machines. *Journal of Computing in Civil Engineering*, **2017**, 31, 04016053	5	35
144	Perceiving safety risk of buildings adjacent to tunneling excavation: An information fusion approach. *Automation in Construction*, **2017**, 73, 88-101	9.6	84
143	Genetic Algorithm Simulation Framework for Decision Making in Construction Site Layout Planning. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 04016084	4.2	6
142	Data-driven simulation-based model for planning roadway operation and maintenance projects **2017**,		2
141	Resource Supply-Demand Matching Scheduling Approach for Construction Workface Planning. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04015048	4.2	13
140	Micro-motion level simulation for efficiency analysis and duration estimation of manual operations. *Automation in Construction*, **2016**, 71, 443-452	9.6	6
139	A combined discrete-continuous simulation model for analyzing train-pedestrian interactions **2016**,		1
138	Zero-One Programming Approach to Determine Optimum Resource Supply under Time-Dependent Resource Constraints. *Journal of Computing in Civil Engineering*, **2016**, 30, 04015028	5	12
137	Introduction to Techniques for Resolving Project Performance Contradictions. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04016027	4.2	4
136	Quantitative Assessment of Budget Sufficiency and Resource Utilization for Resource-Constrained Project Schedules. *Journal of Construction Engineering and Management - ASCE*, **2016**, 142, 04016003	4.2	4

135	Simulation-based analysis of operational efficiency and safety in a virtual environment **2016**,		1
134	Simulation-based route planning for pedestrian evacuation in metro stations: A case study. *Automation in Construction*, **2016**, 71, 430-442	9.6	61
133	Evaluating the Impact of Motion Sensing Errors on Ergonomic Analysis **2016**,		1
132	Fuzzy Cognitive Maps as a tool for modeling construction labor productivity **2015**,		1
131	A hybrid simulation approach for quantitatively analyzing the impact of facility size on construction projects. *Automation in Construction*, **2015**, 60, 39-48	9.6	13
130	Hybrid Genetic Algorithm-Simulation Optimization Method for Proactively Planning Layout of Material Yard Laydown. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 06015001	4.2	3
129	Simulation case study: Modelling distinct breakdown events for a Tunnel Boring Machine excavation **2015**,		2
128	Simulation based multi-objective cost-time trade-off for multi-family residential off-site construction **2015**,		3
127	Updating geological conditions using Bayes theorem and Markov chain **2015**,		5
126	Methodology for Crew-Job Allocation Optimization in Project and Workface Scheduling **2015**,		2
125	A simulation-based approach for material yard laydown planning. *Automation in Construction*, **2014**, 40, 1-8	9.6	19
124	Practical Application for Integrated Performance Measurement of Construction Projects. *Journal of Management in Engineering - ASCE*, **2014**, 30, 04014027	5.3	29
123	Simulation-Based Fuzzy Logic Approach to Assessing the Effect of Project Quality Management on Construction Performance. *Journal of Quality and Reliability Engineering*, **2014**, 2014, 1-18		10
122	Modeling the impact of work-zone traffic flows upon concrete construction: a high level architecture based simulation framework. *Canadian Journal of Civil Engineering*, **2014**, 41, 144-153	1.3	0
121	Bi-level project simulation methodology to integrate superintendent and project manager in decision making: Shutdown/turnaround applications **2014**,		2
120	BIM-based data mining approach to estimating job man-hour requirements in structural steel fabrication **2014**,		2
119	Material and facility layout planning in construction projects using simulation **2014**,		1
118	Identification of Invariant Average Weighted Haul Distance to Simplify Earthmoving Simulation Modeling in Planning Site Grading Operations. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140, 04014057	4.2	6

117	Simulation-Based Multiagent Approach for Scheduling Modular Construction. *Journal of Computing in Civil Engineering*, **2014**, 28, 263-274	5	52
116	Application of KDD Techniques to Extract Useful Knowledge from Labor Resources Data in Industrial Construction Projects. *Journal of Management in Engineering - ASCE*, **2014**, 30, 05014011	5.3	6
115	Combining photogrammetry and robotic total stations to obtain dimensional measurements of temporary facilities in construction field. *Visualization in Engineering*, **2013**, 1, 4	3	12
114	Using Simulation to Plan Tunnel Construction. *Journal of Construction Engineering and Management - ASCE*, **2013**, 139, 564-571	4.2	19
113	A discrete event simulation model of asphalt paving operations **2013**,		2
112	**2013**,		1
111	Quantitative Method for Updating Cost Contingency throughout Project Execution. *Journal of Construction Engineering and Management - ASCE*, **2012**, 138, 759-766	4.2	13
110	Applying Basic Control Theory Principles to Project Control: Case Study of Off-Site Construction Shops. *Journal of Computing in Civil Engineering*, **2012**, 26, 681-690	5	7
109	Design and Implementation of Loose-Coupling Visualization Components in a Distributed Construction Simulation Environment with HLA. *Journal of Computing in Civil Engineering*, **2012**, 26, 248-258	5	10
108	Dynamics of Working Hours in Construction. *Journal of Construction Engineering and Management - ASCE*, **2012**, 138, 66-77	4.2	28
107	Dynamics of workforce skill evolution in construction projects1This paper is one of a selection of papers in this Special Issue on Construction Engineering and Management.. *Canadian Journal of Civil Engineering*, **2012**, 39, 1005-1017	1.3	15
106	Simulation of mobile falsework utilization methods in bridge construction **2012**,		1
105	Effective strategies for simulating one-of-a-kind construction projects **2012**,		2
104	Off-Site Construction Planning Using Discrete Event Simulation. *Journal of Architectural Engineering* , **2012**, 18, 114-122	1.5	30
103	A Special Purpose Simulation Template for Modeling Tire Usage of Mining Truck Fleet **2012**,		2
102	Structural Steel Fabrication Special Purpose Simulation **2012**,		1
101	Modeling Framework and Architecture of Hybrid System Dynamics and Discrete Event Simulation for Construction. *Computer-Aided Civil and Infrastructure Engineering*, **2011**, 26, 77-91	8.4	59
100	Simulation modeling and sensitivity analysis of a tunneling construction project's supply chain. *Engineering, Construction and Architectural Management*, **2011**, 18, 462-480	3.1	18

99	A framework for an automated and integrated project monitoring and control system for steel fabrication projects. *Automation in Construction*, **2011**, 20, 88-97	9.6	41
98	Integrating realtime project progress input into a construction simulation model **2011**,		6
97	Simphony Supply Chain Simulator: a simulation toolkit to model the supply chain of construction projects. *Simulation*, **2011**, 87, 657-667	1.2	11
96	Research in Modeling and Simulation for Improving Construction Engineering Operations. *Journal of Construction Engineering and Management - ASCE*, **2011**, 137, 843-852	4.2	82
95	Analyzing transit tunnel construction strategies using discrete event simulation **2011**,		2
94	Toward Environmentally Sustainable Construction Processes: The U.S. and Canada Perspective on Energy Consumption and GHG/CAP Emissions. *Sustainability*, **2010**, 2, 354-370	3.6	29
93	Role of Simulation in Construction Engineering and Management. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 1140-1153	4.2	169
92	Developing complex distributed simulation for industrial plant construction using High Level Architecture **2010**,		3
91	**2010**,		1
90	Exploring the Effects of Context Level Factors on the Structural Steel Fabrication Shop Operation **2010**,		1
89	3D CAD modeling and visualization of the tunnel construction process in a distributed simulation environment **2010**,		2
88	Carbon Footprints Analysis for Tunnel Construction Processes in the Preplanning Phase Using Collaborative Simulation **2010**,		10
87	Resource Performance Indicators in Controlling Industrial Steel Projects **2010**,		1
86	Simulation-based aggregate planning of batch plant operations. *Canadian Journal of Civil Engineering*, **2010**, 37, 1277-1288	1.3	5
85	Simulation-Based Scheduling of Modular Construction Using Multi-agent Resource Allocation **2010**,		7
84	SPS tools for capital project planning analysis. *International Journal of Simulation and Process Modelling*, **2010**, 6, 58	0.4	
83	**2010**,		32
82	Flow Production of Pipe Spool Fabrication: Simulation to Support Implementation of Lean Technique. *Journal of Construction Engineering and Management - ASCE*, **2009**, 135, 1027-1038	4.2	34

81	An overview of the COSYE environment for construction simulation **2009**,		12
80	Methodology for integrating fuzzy expert systems and discrete event simulation in construction engineering. *Canadian Journal of Civil Engineering*, **2009**, 36, 1478-1490	1.3	28
79	Large-scale simulation modeling system for industrial construction. *Canadian Journal of Civil Engineering*, **2009**, 36, 1517-1529	1.3	8
78	Meaningful Level of Change in hybrid simulation for construction analysis **2009**,		1
77	Early Contractor Involvement in Design and Its Impact on Construction Schedule Performance. *Journal of Management in Engineering - ASCE*, **2009**, 25, 12-20	5.3	111
76	Developing a knowledge management system for improved value engineering practices in the construction industry. *Automation in Construction*, **2009**, 18, 777-789	9.6	72
75	Enhancing Value Engineering Process by Incorporating Inventive Problem-Solving Techniques. *Journal of Construction Engineering and Management - ASCE*, **2009**, 135, 416-424	4.2	29
74	Developing a Bidding Game Using High Level Architecture **2009**,		3
73	Measuring and Modeling Labor Productivity Using Historical Data. *Journal of Construction Engineering and Management - ASCE*, **2008**, 134, 786-794	4.2	75
72	Assessing Residual Value of Heavy Construction Equipment Using Predictive Data Mining Model. *Journal of Computing in Civil Engineering*, **2008**, 22, 181-191	5	30
71	A simulation template for modeling tunnel shaft construction **2008**,		1
70	Distributed agent-based simulation of construction projects with HLA **2008**,		3
69	Decision support in construction equipment management using a nonparametric outlier mining algorithm. *Expert Systems With Applications*, **2008**, 34, 1974-1982	7.8	1
68	Standardized Risk Analysis for Infrastructure Assessment **2008**, 131-140		1
67	Simulation-based scheduling of module assembly yards: case study. *Engineering, Construction and Architectural Management*, **2007**, 14, 293-311	3.1	30
66	A simulation-based framework for quantifying the cold regions weather impacts on construction schedules **2007**,		4
65	**2007**,		6
64	**2007**,		7

#	Reference	IF	Cites
63	Virtual Shop Model for Experimental Planning of Steel Fabrication Projects. *Journal of Computing in Civil Engineering*, **2006**, 20, 308-316	5	21
62	Residential Construction Lot Grading Approval Process Optimization: Case Study of City of Edmonton. *Journal of Construction Engineering and Management - ASCE*, **2006**, 132, 1225-1233	4.2	2
61	PRIORITY RATING LOGIC SIMULATION MODEL FOR TOWER CRANE OPERATIONS MANAGEMENT. *Journal of Construction Research*, **2006**, 07, 133-147		2
60	Bayesian Updating Application into Simulation in the North Edmonton Sanitary Trunk Tunnel Project. *Journal of Construction Engineering and Management - ASCE*, **2006**, 132, 882-894	4.2	52
59	Application of Lean Concepts and Simulation Analysis to Improve Efficiency of Drainage Operations Maintenance Crews. *Journal of Construction Engineering and Management - ASCE*, **2006**, 132, 291-299	4.2	25
58	**2006**,		8
57	Determining a reasonable concession period for private sector provision of public works and service. *Canadian Journal of Civil Engineering*, **2006**, 33, 622-631	1.3	48
56	Simulation modeling decision support through belief networks. *Simulation Modelling Practice and Theory*, **2006**, 14, 614-640	3.9	5
55	A virtual shop modeling system for industrial fabrication shops. *Simulation Modelling Practice and Theory*, **2006**, 14, 649-662	3.9	7
54	Modeling uncertainty with an integrated simulation system. *Canadian Journal of Civil Engineering*, **2005**, 32, 533-542	1.3	2
53	Quantifying Engineering Project Scope for Productivity Modeling. *Journal of Construction Engineering and Management - ASCE*, **2005**, 131, 360-367	4.2	19
52	An analytical method to predict soil types for underground construction operations. *Civil Engineering and Environmental Systems*, **2005**, 22, 49-69	2.1	2
51	Measuring and Estimating Steel Drafting Productivity **2003**,		2
50	Risk-based Life-cycle Costing of Infrastructure Rehabilitation and Construction Alternatives. *Journal of Infrastructure Systems*, **2003**, 9, 6-15	2.9	77
49	Time of Sampling Strategies for Asphalt Pavement Quality Assurance. *Journal of Construction Engineering and Management - ASCE*, **2002**, 128, 85-89	4.2	6
48	Unified Modeling Methodology for Construction Simulation. *Journal of Construction Engineering and Management - ASCE*, **2002**, 128, 174-185	4.2	102
47	Special purpose simulation templates for tunnel construction operations. *Canadian Journal of Civil Engineering*, **2001**, 28, 222-237	1.3	37
46	Simplified CPM/PERT Simulation Model. *Journal of Construction Engineering and Management - ASCE*, **2001**, 127, 513-514	4.2	8

45	Estimating Labor Production Rates for Industrial Construction Activities. *Journal of Construction Engineering and Management - ASCE*, **2001**, 127, 502-511	4.2	49
44	Performance measurement indices for simulated construction operations. *Canadian Journal of Civil Engineering*, **2001**, 28, 383-393	1.3	5
43	Adequate data collection frequency and gauging length for surface condition rating in Alberta. *Canadian Journal of Civil Engineering*, **2001**, 28, 871-874	1.3	
42	Special Purpose Simulation Templates for Tunneling **2000**, 97		1
41	Application Framework for Development of Simulation Tools. *Journal of Computing in Civil Engineering*, **2000**, 14, 160-167	5	29
40	Creating Special Purpose Simulation Tools with Simphony **2000**, 87		3
39	Simplified CPM/PERT Simulation Model. *Journal of Construction Engineering and Management - ASCE*, **2000**, 126, 219-226	4.2	46
38	Integrating Document Management with Project and Company Data. *Journal of Computing in Civil Engineering*, **2000**, 14, 70-77	5	34
37	Simphony **1999**,		56
36	Special purpose simulation template for utility tunnel construction **1999**,		18
35	Product-based model representation for integrating 3D CAD with computer simulation **1999**,		4
34	Application of simulation in trenchless renewal of underground urban infrastructure **1999**,		4
33	Sample Size Analysis for Asphalt Pavement Quality Control. *Journal of Infrastructure Systems*, **1999**, 5, 118-123	2.9	5
32	A survey of the bidding practices of Canadian civil engineering construction contractors. *Canadian Journal of Civil Engineering*, **1999**, 26, 13-25	1.3	31
31	A framework for applying simulation in construction. *Canadian Journal of Civil Engineering*, **1998**, 25, 604-617	1.3	76
30	Construction project simulation using CYCLONE. *Canadian Journal of Civil Engineering*, **1998**, 25, 16-25	1.3	19
29	Belief Networks for Construction Performance Diagnostics. *Journal of Computing in Civil Engineering*, **1998**, 12, 93-100	5	43
28	Modeling and Analysis of Aggregate Production Operations. *Journal of Construction Engineering and Management - ASCE*, **1998**, 124, 390-401	4.2	16

27	Simulation-Based Scheduling with Continuous Activity Relationships. *Journal of Construction Engineering and Management - ASCE*, **1998**, 124, 107-115	4.2	21
26	Construction site dewatering analysis using a special purpose simulation-based framework. *Canadian Journal of Civil Engineering*, **1998**, 25, 819-828	1.3	16
25	Continuous and combined event-process models for simulating pipeline construction. *Construction Management and Economics*, **1998**, 16, 489-498	3	15
24	Combined Discrete-Event/Continuous Simulation for Project Planning. *Journal of Construction Engineering and Management - ASCE*, **1997**, 123, 11-20	4.2	39
23	AP2-Earth **1997**,		6
22	Neural Network Model for Estimating Construction Productivity. *Journal of Construction Engineering and Management - ASCE*, **1997**, 123, 399-410	4.2	78
21	Resource-Based Modeling for Construction Simulation. *Journal of Construction Engineering and Management - ASCE*, **1997**, 123, 26-33	4.2	51
20	Computerized Tool for Hierarchical Simulation Modeling. *Journal of Computing in Civil Engineering*, **1996**, 10, 115-124	5	9
19	Building a special purposes simulation tool for earth moving operations **1996**,		18
18	Utility-Theory Model for Bid Markup Decisions. *Journal of Construction Engineering and Management - ASCE*, **1996**, 122, 119-124	4.2	92
17	AN OPTIMIZATION METHOD FOR SIMULATING LARGE COMPLEX SYSTEMS. *Engineering Optimization*, **1995**, 25, 213-229	2	11
16	HSM-Simulation Based Planning Method for Construction Projects. *Journal of Construction Engineering and Management - ASCE*, **1995**, 121, 297-303	4.2	25
15	A Hypertext Decision Support Model for Contractor Prequalification. *Computer-Aided Civil and Infrastructure Engineering*, **1995**, 10, 111-121	8.4	5
14	Discussion of Modeling Operational Activities in Object-Oriented Simulation by Amr A. Oloufa (January 1993, Vol. 7, No. 1). *Journal of Computing in Civil Engineering*, **1994**, 8, 392-395	5	
13	Integrating Process Simulation into Construction Engineering Education. *European Journal of Engineering Education*, **1994**, 19, 51-67	1.5	2
12	Fitting Beta Distributions Based on Sample Data. *Journal of Construction Engineering and Management - ASCE*, **1994**, 120, 288-305	4.2	105
11	Analysis and Evaluation of Alternative Technologies. *Journal of Management in Engineering - ASCE*, **1994**, 10, 65-71	5.3	8
10	Subjective and interactive duration estimation. *Canadian Journal of Civil Engineering*, **1993**, 20, 457-470	1.3	22

9	Application of Computer Simulation in Resolving Construction Disputes. *Journal of Construction Engineering and Management - ASCE*, **1993**, 119, 355-373	4.2	25
8	Comparison of Two Simulation Methodologies in Construction. *Journal of Construction Engineering and Management - ASCE*, **1993**, 119, 573-589	4.2	21
7	State of the art in construction simulation **1992**,		15
6	Statistical Properties of Construction Duration Data. *Journal of Construction Engineering and Management - ASCE*, **1992**, 118, 525-544	4.2	92
5	Measuring Productivity and Validating Microcomputer Simulation. *Computer-Aided Civil and Infrastructure Engineering*, **1991**, 6, 205-215	8.4	4
4	Visual Interactive Fitting of Beta Distributions. *Journal of Construction Engineering and Management - ASCE*, **1991**, 117, 589-605	4.2	66
3	Applications of Variance Reduction Techniques in Construction Simulation. *Computer-Aided Civil and Infrastructure Engineering*, **1990**, 5, 299-306	8.4	5
2	Probabilistic Simulation Studies for Repetitive Construction Processes. *Journal of Construction Engineering and Management - ASCE*, **1990**, 116, 575-594	4.2	46
1	Domain-specific risk assessment using integrated simulation: A case study of an onshore wind project. *Canadian Journal of Civil Engineering*,	1.3	1