

Simaan Abourizk

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/4688340/publications.pdf](https://exaly.com/author-pdf/4688340/publications.pdf)

Version: 2024-02-01

207
papers

4,599
citations

106120

35
h-index

144563

57
g-index

212
all docs

212
docs citations

212
times ranked

2339
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk assessment for onshore wind projects in Canada. <i>Renewable and Sustainable Energy Reviews</i> , 2024, 191, 114145.	16.7	1
2	Application of Chaos Theory in Project Management. , 2024, , .		0
3	The Need for a Multidimensional Project Control Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , 2024, 150, .	4.0	0
4	Context-driven ontology-based risk identification for onshore wind farm projects: A domain-specific approach. <i>Advanced Engineering Informatics</i> , 2023, 56, 101962.	8.3	6
5	Simulation-Assisted Project Data Integration for Development and Analysis of As-Built Schedules. <i>Buildings</i> , 2023, 13, 974.	3.2	0
6	A Data-Driven Approach for Deploying Safety Policies for Schedule Planning in Industrial Construction Projects: A Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2023, 149, .	4.0	1
7	Integrated lean concepts and continuous/discrete-event simulation to examine productivity improvement in door assembly-line for residential buildings. <i>International Journal of Construction Management</i> , 2022, 22, 2423-2434.	3.2	6
8	Domain-specific risk assessment using integrated simulation: a case study of an onshore wind project. <i>Canadian Journal of Civil Engineering</i> , 2022, 49, 770-782.	1.3	2
9	Automating Common Data Integration for Improved Data-Driven Decision-Support System in Industrial Construction. <i>Journal of Computing in Civil Engineering</i> , 2022, 36, .	4.9	8
10	Integrated DEMATEL and ANP-Based Framework to Model Construction Labor Productivity. , 2022, , .		2
11	A simulation-based decision support tool for integrating site layout and construction planning of tunneling projects. <i>Journal of Engineering, Design and Technology</i> , 2022, 20, 866-886.	2.0	1
12	Modeling Microtunnel Boring Machine Penetration Rate Using a Mechanistic Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	4.0	0
13	A hybrid simulation approach for microtunneling construction planning. <i>Construction Innovation</i> , 2021, 21, 363-378.	3.1	4
14	Numerical-Based Approach for Updating Simulation Input in Real Time. <i>Journal of Computing in Civil Engineering</i> , 2021, 35, .	4.9	8
15	Hybrid multi-mode simulation and optimization for subarea scheduling in heavy industrial construction. <i>Automation in Construction</i> , 2021, 125, 103616.	10.0	17
16	Automated Extraction and Time-Cost Prediction of Contractual Reporting Requirements in Construction Using Natural Language Processing and Simulation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6188.	2.6	18
17	Data-Driven Simulation Approach for Short-Term Planning of Winter Highway Maintenance Operations. <i>Journal of Computing in Civil Engineering</i> , 2021, 35, .	4.9	5
18	Simulation-Based Approach for Lookahead Scheduling of Onshore Wind Projects Subject to Weather Risk. <i>Sustainability</i> , 2021, 13, 10060.	3.3	3

#	ARTICLE	IF	CITATIONS
19	Construction Site Layout Planning Using a Simulation-Based Decision Support Tool. Logistics, 2021, 5, 65.	4.5	7
20	Intelligent data-driven approach for enhancing preliminary resource planning in industrial construction. Automation in Construction, 2021, 130, 103846.	10.0	15
21	Enhanced Resource Scheduling Framework For Industrial Construction Projects. , 2021, , .		0
22	Dynamic, Data-Driven Simulation In Construction Using Advanced Metadata Structures and Bayesian Inference. , 2021, , .		0
23	Bayesian Inference with Markov Chain Monte Carlo-Based Numerical Approach for Input Model Updating. Journal of Computing in Civil Engineering, 2020, 34, .	4.9	20
24	Distributed Simulation-Based Analytics Approach for Enhancing Safety Management Systems in Industrial Construction. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	4.0	19
25	Dynamic, Data-Driven Decision-Support Approach for Construction Equipment Acquisition and Disposal. Journal of Computing in Civil Engineering, 2020, 34, .	4.9	11
26	Finding Causal Paths between Safety Management System Factors and Accident Precursors. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	41
27	Automation in Extraction and Sharing Information between BIM and Project Management Databases. , 2020, , .		4
28	Fuzzy-Based Multivariate Analysis for Input Modeling of Risk Assessment in Wind Farm Projects. Algorithms, 2020, 13, 325.	2.2	5
29	Simulation-based approach for risk assessment in onshore wind farm construction projects. , 2020, , .		3
30	A decision support tool for planning module installation in industrial construction. Engineering, Construction and Architectural Management, 2020, 27, 2615-2641.	3.5	5
31	Social network analysis of change management processes for communication assessment. Automation in Construction, 2020, 118, 103292.	10.0	22
32	Data-Driven Simulation-Based Analytics for Heavy Equipment Life-Cycle Cost. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	4.0	11
33	A Simulation-Based Decision-Support System for Reducing Duration, Cost, and Environmental Impacts of Earthmoving Operations. , 2020, , .		0
34	A Predictive Simulation Model of Regional Weather Events for Winter Road Maintenance Operations. , 2020, , .		0
35	Integrated data-driven approach for analyzing pipe welding operator-quality performance. Automation in Construction, 2019, 106, 102814.	10.0	14
36	Equipment Logistics Performance Measurement Using Data-Driven Social Network Analysis. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	4.0	10

#	ARTICLE	IF	CITATIONS
37	Stratified statistical analysis for effectiveness evaluation of frontline worker safety intervention: Case study of construction steel fabrication. <i>Safety Science</i> , 2019, 115, 89-102.	5.0	11
38	Using Combined Discrete-event/ Continuous Modeling for Simulation of Safety Incidents on Project Networks. , 2019, , .		2
39	A Generic Simulation Model for Selecting Fleet Size in Snow Plowing Operations. , 2019, , .		0
40	Enhanced Welding Operator Quality Performance Measurement: Work Experience-Integrated Bayesian Prior Determination. , 2019, , .		1
41	Simulation-Based Analytics for Quality Control Decision Support: Pipe Welding Case Study. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	4.9	16
42	A hybrid information fusion approach to safety risk perception using sensor data under uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 105-122.	4.1	25
43	Identification and Association of High-Priority Safety Management System Factors and Accident Precursors for Proactive Safety Assessment and Control. <i>Journal of Management in Engineering - ASCE</i> , 2018, 34, .	4.8	37
44	Reaction Time Optimization Based on Sensor Data-Driven Simulation for Snow Removal Projects. , 2018, , .		1
45	IMPROVING TUNNELING SIMULATION USING BAYESIAN UPDATING AND HIDDEN MARKOV CHAINS. , 2018, , .		3
46	A simulation and visualization-based framework of labor efficiency and safety analysis for prevention through design and planning. <i>Automation in Construction</i> , 2018, 96, 310-323.	10.0	33
47	Complexity Analysis Approach for Prefabricated Construction Products Using Uncertain Data Clustering. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	4.0	19
48	Case-Based Reasoning Approach for Assessing Safety Performance Using Safety-Related Measures. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	4.0	19
49	An integrated ergonomics framework for evaluation and design of construction operations. <i>Automation in Construction</i> , 2018, 95, 72-85.	10.0	25
50	Integrating Case-Based Reasoning and Simulation Modeling for Testing Strategies to Control Safety Performance. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	4.9	17
51	Data-Driven Simulation Model for Quality-Induced Rework Cost Estimation and Control Using Absorbing Markov Chains. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018, 144, .	4.0	17
52	Empirical Testing for Use of Safety Related Measures at the Organizational Level to Assess and Control the On-Site Risk Level. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, .	4.0	6
53	Site Layout and Construction Plan Optimization Using an Integrated Genetic Algorithm Simulation Framework. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	4.9	57
54	Fuzzy cognitive maps enabled root cause analysis in complex projects. <i>Applied Soft Computing Journal</i> , 2017, 57, 235-249.	7.4	34

#	ARTICLE	IF	CITATIONS
55	Post-Simulation Visualization of Construction Manual Operations Using Motion Capture Data. , 2017, , .		0
56	Stochastic Modeling for Assessment of Human Perception and Motion Sensing Errors in Ergonomic Analysis. Journal of Computing in Civil Engineering, 2017, 31, .	4.9	20
57	Performing Global Uncertainty and Sensitivity Analysis from Given Data in Tunnel Construction. Journal of Computing in Civil Engineering, 2017, 31, .	4.9	44
58	Credible interval estimation for fraction nonconforming: Analytical and numerical solutions. Automation in Construction, 2017, 83, 56-67.	10.0	19
59	Operation Effort Optimization for Planning Performance-Based Snow-Removal Projects. Journal of Computing in Civil Engineering, 2017, 31, 04017060.	4.9	4
60	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.	4.0	0
61	Intelligent Approach to Estimation of Tunnel-Induced Ground Settlement Using Wavelet Packet and Support Vector Machines. Journal of Computing in Civil Engineering, 2017, 31, .	4.9	72
62	Perceiving safety risk of buildings adjacent to tunneling excavation: An information fusion approach. Automation in Construction, 2017, 73, 88-101.	10.0	112
63	Genetic Algorithm's Simulation Framework for Decision Making in Construction Site Layout Planning. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	4.0	17
64	Data-driven simulation-based model for planning roadway operation and maintenance projects. , 2017, , .		3
65	A Bayesian inference based simulation approach for estimating fraction nonconforming of pipe spool welding processes. , 2016, , .		1
66	A prototype for simulating the kinematics of crane rigging oscillatory motion using Symphony.NET. , 2016, , .		1
67	Predictive and Diagnostic Analysis of Shield Cutter Head Failures in Tunnel Construction. , 2016, , .		1
68	Simulation-based analysis of operational efficiency and safety in a virtual environment. , 2016, , .		1
69	Simulation-based route planning for pedestrian evacuation in metro stations: A case study. Automation in Construction, 2016, 71, 430-442.	10.0	85
70	Evaluating the Impact of Motion Sensing Errors on Ergonomic Analysis. , 2016, , .		1
71	Micro-motion level simulation for efficiency analysis and duration estimation of manual operations. Automation in Construction, 2016, 71, 443-452.	10.0	11
72	A combined discrete-continuous simulation model for analyzing train-pedestrian interactions. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
73	Zero-One Programming Approach to Determine Optimum Resource Supply under Time-Dependent Resource Constraints. Journal of Computing in Civil Engineering, 2016, 30, .	4.9	15
74	Introduction to Techniques for Resolving Project Performance Contradictions. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	4.0	5
75	Quantitative Assessment of Budget Sufficiency and Resource Utilization for Resource-Constrained Project Schedules. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	4.0	5
76	Resource Supply-Demand Matching Scheduling Approach for Construction Workforce Planning. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	4.0	17
77	Modelling hauler movement in a distributed simulation of earthmoving operations. International Journal of Service and Computing Oriented Manufacturing, 2016, 2, 226.	0.2	0
78	Simulation case study: Modelling distinct breakdown events for a Tunnel Boring Machine excavation. , 2015, , .		3
79	Simulation based multi-objective cost-time trade-off for multi-family residential off-site construction. , 2015, , .		5
80	Updating geological conditions using Bayes theorem and Markov chain. , 2015, , .		6
81	Methodology for Crew-Job Allocation Optimization in Project and Workforce Scheduling. , 2015, , .		2
82	Fuzzy Cognitive Maps as a tool for modeling construction labor productivity. , 2015, , .		2
83	A hybrid simulation approach for quantitatively analyzing the impact of facility size on construction projects. Automation in Construction, 2015, 60, 39-48.	10.0	17
84	Hybrid Genetic Algorithm-Simulation Optimization Method for Proactively Planning Layout of Material Yard Laydown. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	4.0	7
85	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.	1.3	15
86	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	2
87	Bi-level project simulation methodology to integrate superintendent and project manager in decision making: Shutdown/turnaround applications. , 2014, , .		3
88	A prototype for project management game development using high level architecture. International Journal of Simulation and Process Modelling, 2014, 9, 131.	0.2	2
89	BIM-based data mining approach to estimating job man-hour requirements in structural steel fabrication. , 2014, , .		4
90	Strategies for Optimizing Labor Resource Planning on Plant Shutdown and Turnaround. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
91	Material and facility layout planning in construction projects using simulation. , 2014, , .		1
92	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, .	4.0	8
93	Simulation-Based Multiagent Approach for Scheduling Modular Construction. Journal of Computing in Civil Engineering, 2014, 28, 263-274.	4.9	82
94	Application of KDD Techniques to Extract Useful Knowledge from Labor Resources Data in Industrial Construction Projects. Journal of Management in Engineering - ASCE, 2014, 30, .	4.8	20
95	A simulation-based approach for material yard laydown planning. Automation in Construction, 2014, 40, 1-8.	10.0	32
96	Practical Application for Integrated Performance Measurement of Construction Projects. Journal of Management in Engineering - ASCE, 2014, 30, .	4.8	50
97	Combining photogrammetry and robotic total stations to obtain dimensional measurements of temporary facilities in construction field. Visualization in Engineering, 2013, 1, .	8.6	14
98	Using Simulation to Plan Tunnel Construction. Journal of Construction Engineering and Management - ASCE, 2013, 139, 564-571.	4.0	27
99	A discrete event simulation model of asphalt paving operations. , 2013, , .		6
100	Utilizing simulation derived quantitative formulas for accurate excavator hauler fleet selection. , 2013, , .		3
101	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.	4.9	13
102	Dynamics of Working Hours in Construction. Journal of Construction Engineering and Management - ASCE, 2012, 138, 66-77.	4.0	48
103	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	21
104	Simulation of mobile falsework utilization methods in bridge construction. , 2012, , .		1
105	Effective strategies for simulating one-of-a-kind construction projects. , 2012, , .		4
106	Off-Site Construction Planning Using Discrete Event Simulation. Journal of Architectural Engineering, 2012, 18, 114-122.	1.6	49
107	A Special Purpose Simulation Template for Modeling Tire Usage of Mining Truck Fleet. , 2012, , .		2
108	Structural Steel Fabrication Special Purpose Simulation. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
109	Quantitative Method for Updating Cost Contingency throughout Project Execution. Journal of Construction Engineering and Management - ASCE, 2012, 138, 759-766.	4.0	17
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.	4.9	15
111	Simulation modeling and sensitivity analysis of a tunneling construction project's supply chain. Engineering, Construction and Architectural Management, 2011, 18, 462-480.	3.5	29
112	Modeling Framework and Architecture of Hybrid System Dynamics and Discrete Event Simulation for Construction. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 77-91.	10.4	75
113	A framework for an automated and integrated project monitoring and control system for steel fabrication projects. Automation in Construction, 2011, 20, 88-97.	10.0	54
114	Integrating realtime project progress input into a construction simulation model. , 2011, , .		6
115	Symphony Supply Chain Simulator: a simulation toolkit to model the supply chain of construction projects. Simulation, 2011, 87, 657-667.	1.7	15
116	Analyzing transit tunnel construction strategies using discrete event simulation. , 2011, , .		2
117	SPS tools for capital project planning analysis. International Journal of Simulation and Process Modelling, 2010, 6, 58.	0.2	0
118	Toward Environmentally Sustainable Construction Processes: The U.S. and Canada's Perspective on Energy Consumption and GHG/CAP Emissions. Sustainability, 2010, 2, 354-370.	3.3	35
119	Role of Simulation in Construction Engineering and Management. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1140-1153.	4.0	237
120	Developing complex distributed simulation for industrial plant construction using High Level Architecture. , 2010, , .		5
121	An HLA-based bidding game with intelligent virtual player. , 2010, , .		1
122	Exploring the Effects of Context Level Factors on the Structural Steel Fabrication Shop Operation. , 2010, , .		1
123	3D CAD modeling and visualization of the tunnel construction process in a distributed simulation environment. , 2010, , .		5
124	Carbon Footprints Analysis for Tunnel Construction Processes in the Preplanning Phase Using Collaborative Simulation. , 2010, , .		22
125	Resource Performance Indicators in Controlling Industrial Steel Projects. , 2010, , .		3
126	Simulation-based aggregate planning of batch plant operations. Canadian Journal of Civil Engineering, 2010, 37, 1277-1288.	1.3	6

#	ARTICLE	IF	CITATIONS
127	Simulation-Based Scheduling of Modular Construction Using Multi-agent Resource Allocation. , 2010, , .		8
128	Integrated Simulation-Based Look-Ahead Scheduling for Steel Fabrication Projects. , 2010, , .		1
129	Flow Production of Pipe Spool Fabrication: Simulation to Support Implementation of Lean Technique. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1027-1038.	4.0	46
130	An overview of the COSYE environment for construction simulation. , 2009, , .		19
131	Methodology for integrating fuzzy expert systems and discrete event simulation in construction engineering. Canadian Journal of Civil Engineering, 2009, 36, 1478-1490.	1.3	29
132	Meaningful Level of Change in hybrid simulation for construction analysis. , 2009, , .		1
133	Early Contractor Involvement in Design and Its Impact on Construction Schedule Performance. Journal of Management in Engineering - ASCE, 2009, 25, 12-20.	4.8	152
134	Developing a knowledge management system for improved value engineering practices in the construction industry. Automation in Construction, 2009, 18, 777-789.	10.0	97
135	Enhancing Value Engineering Process by Incorporating Inventive Problem-Solving Techniques. Journal of Construction Engineering and Management - ASCE, 2009, 135, 416-424.	4.0	35
136	Developing a Bidding Game Using High Level Architecture. , 2009, , .		4
137	Decision support in construction equipment management using a nonparametric outlier mining algorithm. Expert Systems With Applications, 2008, 34, 1974-1982.	7.9	7
138	Measuring and Modeling Labor Productivity Using Historical Data. Journal of Construction Engineering and Management - ASCE, 2008, 134, 786-794.	4.0	103
139	Assessing Residual Value of Heavy Construction Equipment Using Predictive Data Mining Model. Journal of Computing in Civil Engineering, 2008, 22, 181-191.	4.9	36
140	A simulation template for modeling tunnel shaft construction. , 2008, , .		1
141	Distributed agent-based simulation of construction projects with HLA. , 2008, , .		3
142	Standardized Risk Analysis for Infrastructure Assessment. , 2008, , 131-140.		1
143	Simulation-based scheduling of module assembly yards: case study. Engineering, Construction and Architectural Management, 2007, 14, 293-311.	3.5	36
144	A simulation-based framework for quantifying the cold regions weather impacts on construction schedules. , 2007, , .		9

#	ARTICLE	IF	CITATIONS
145	Simulation and uncertainty modeling of project schedules estimates. , 2007, , .		6
146	Qualitative simulation of construction performance using fuzzy cognitive maps. , 2007, , .		8
147	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	54
148	Simulation modeling decision support through belief networks. Simulation Modelling Practice and Theory, 2006, 14, 614-640.	4.0	5
149	A virtual shop modeling system for industrial fabrication shops. Simulation Modelling Practice and Theory, 2006, 14, 649-662.	4.0	11
150	Virtual Shop Model for Experimental Planning of Steel Fabrication Projects. Journal of Computing in Civil Engineering, 2006, 20, 308-316.	4.9	25
151	Residential Construction Lot Grading Approval Process Optimization: Case Study of City of Edmonton. Journal of Construction Engineering and Management - ASCE, 2006, 132, 1225-1233.	4.0	3
152	PRIORITY RATING LOGIC SIMULATION MODEL FOR TOWER CRANE OPERATIONS MANAGEMENT. Journal of Construction Research, 2006, 07, 133-147.	0.3	3
153	Bayesian Updating Application into Simulation in the North Edmonton Sanitary Trunk Tunnel Project. Journal of Construction Engineering and Management - ASCE, 2006, 132, 882-894.	4.0	68
154	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.	4.0	29
155	Productivity Simulation During the Planning Phase of the Glencoe Tunnel in Calgary, Canada: A Case Study. , 2006, , .		9
156	Quantifying Engineering Project Scope for Productivity Modeling. Journal of Construction Engineering and Management - ASCE, 2005, 131, 360-367.	4.0	23
157	An analytical method to predict soil types for underground construction operations. Civil Engineering and Environmental Systems, 2005, 22, 49-69.	1.3	2
158	Modeling uncertainty with an integrated simulation system. Canadian Journal of Civil Engineering, 2005, 32, 533-542.	1.3	3
159	Risk-based Life-cycle Costing of Infrastructure Rehabilitation and Construction Alternatives. Journal of Infrastructure Systems, 2003, 9, 6-15.	1.9	92
160	Measuring and Estimating Steel Drafting Productivity. , 2003, , .		6
161	Time of Sampling Strategies for Asphalt Pavement Quality Assurance. Journal of Construction Engineering and Management - ASCE, 2002, 128, 85-89.	4.0	7
162	Unified Modeling Methodology for Construction Simulation. Journal of Construction Engineering and Management - ASCE, 2002, 128, 174-185.	4.0	135

#	ARTICLE	IF	CITATIONS
163	Performance measurement indices for simulated construction operations. Canadian Journal of Civil Engineering, 2001, 28, 383-393.	1.3	9
164	Adequate data collection frequency and gauging length for surface condition rating in Alberta. Canadian Journal of Civil Engineering, 2001, 28, 871-874.	1.3	0
165	Special purpose simulation templates for tunnel construction operations. Canadian Journal of Civil Engineering, 2001, 28, 222-237.	1.3	45
166	Simplified CPM/PERT Simulation Model. Journal of Construction Engineering and Management - ASCE, 2001, 127, 513-514.	4.0	9
167	Special Purpose Simulation Templates for Tunneling. , 2000, , 97.		1
168	Application Framework for Development of Simulation Tools. Journal of Computing in Civil Engineering, 2000, 14, 160-167.	4.9	35
169	Creating Special Purpose Simulation Tools with Symphony. , 2000, , 87.		4
170	Integrating Document Management with Project and Company Data. Journal of Computing in Civil Engineering, 2000, 14, 70-77.	4.9	44
171	Simphony. , 1999, , .		101
172	Special purpose simulation template for utility tunnel construction. , 1999, , .		28
173	Product-based model representation for integrating 3D CAD with computer simulation. , 1999, , .		6
174	Application of simulation in trenchless renewal of underground urban infrastructure. , 1999, , .		6
175	Sample Size Analysis for Asphalt Pavement Quality Control. Journal of Infrastructure Systems, 1999, 5, 118-123.	1.9	7
176	A survey of the bidding practices of Canadian civil engineering construction contractors. Canadian Journal of Civil Engineering, 1999, 26, 13-25.	1.3	41
177	A framework for applying simulation in construction. Canadian Journal of Civil Engineering, 1998, 25, 604-617.	1.3	98
178	Construction project simulation using CYCLONE. Canadian Journal of Civil Engineering, 1998, 25, 16-25.	1.3	31
179	Belief Networks for Construction Performance Diagnostics. Journal of Computing in Civil Engineering, 1998, 12, 93-100.	4.9	53
180	Modeling and Analysis of Aggregate Production Operations. Journal of Construction Engineering and Management - ASCE, 1998, 124, 390-401.	4.0	21

#	ARTICLE	IF	CITATIONS
181	Simulation-Based Scheduling with Continuous Activity Relationships. Journal of Construction Engineering and Management - ASCE, 1998, 124, 107-115.	4.0	27
182	Construction site dewatering analysis using a special purpose simulation-based framework. Canadian Journal of Civil Engineering, 1998, 25, 819-828.	1.3	22
183	Continuous and combined event-process models for simulating pipeline construction. Construction Management and Economics, 1998, 16, 489-498.	3.2	21
184	Combined Discrete-Event/Continuous Simulation for Project Planning. Journal of Construction Engineering and Management - ASCE, 1997, 123, 11-20.	4.0	45
185	AP2-Earth. , 1997, , .		8
186	Neural Network Model for Estimating Construction Productivity. Journal of Construction Engineering and Management - ASCE, 1997, 123, 399-410.	4.0	101
187	Resource-Based Modeling for Construction Simulation. Journal of Construction Engineering and Management - ASCE, 1997, 123, 26-33.	4.0	65
188	Computerized Tool for Hierarchical Simulation Modeling. Journal of Computing in Civil Engineering, 1996, 10, 115-124.	4.9	12
189	Building a special purposes simulation tool for earth moving operations. , 1996, , .		26
190	A Hypertext Decision Support Model for Contractor Prequalification. Computer-Aided Civil and Infrastructure Engineering, 1995, 10, 111-121.	10.4	7
191	AN OPTIMIZATION METHOD FOR SIMULATING LARGE COMPLEX SYSTEMS. Engineering Optimization, 1995, 25, 213-229.	2.6	15
192	HSM-Simulation-Based Planning Method for Construction Projects. Journal of Construction Engineering and Management - ASCE, 1995, 121, 297-303.	4.0	30
193	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.	4.9	0
194	Integrating Process Simulation into Construction Engineering Education. European Journal of Engineering Education, 1994, 19, 51-67.	2.4	2
195	Fitting Beta Distributions Based on Sample Data. Journal of Construction Engineering and Management - ASCE, 1994, 120, 288-305.	4.0	119
196	Analysis and Evaluation of Alternative Technologies. Journal of Management in Engineering - ASCE, 1994, 10, 65-71.	4.8	9
197	Subjective and interactive duration estimation. Canadian Journal of Civil Engineering, 1993, 20, 457-470.	1.3	32
198	Application of Computer Simulation in Resolving Construction Disputes. Journal of Construction Engineering and Management - ASCE, 1993, 119, 355-373.	4.0	38

#	ARTICLE	IF	CITATIONS
199	Comparison of Two Simulation Methodologies in Construction. Journal of Construction Engineering and Management - ASCE, 1993, 119, 573-589.	4.0	29
200	State of the art in construction simulation. , 1992, , .		30
201	Statistical Properties of Construction Duration Data. Journal of Construction Engineering and Management - ASCE, 1992, 118, 525-544.	4.0	127
202	Measuring Productivity and Validating Microcomputer Simulation. Computer-Aided Civil and Infrastructure Engineering, 1991, 6, 205-215.	10.4	6
203	Visual Interactive Fitting of Beta Distributions. Journal of Construction Engineering and Management - ASCE, 1991, 117, 589-605.	4.0	77
204	Applications of Variance Reduction Techniques in Construction Simulation. Computer-Aided Civil and Infrastructure Engineering, 1990, 5, 299-306.	10.4	5
205	Probabilistic Simulation Studies for Repetitive Construction Processes. Journal of Construction Engineering and Management - ASCE, 1990, 116, 575-594.	4.0	57
206	Generic Implementation of Lean Concepts in Simulation Models. , 0, , 1-23.		11
207	A Markovian-Based Model for Simulation of Actual Progress on Construction Sites. Lecture Notes in Civil Engineering, 0, , 27-41.	0.0	0