

Miroslaw J Skibniewski

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.

163
papers

4,465
citations

37
h-index

60
g-index

168
ext. papers

5,294
ext. citations

4.8
avg, IF

5.93
L-index

#	Paper	IF	Citations
163	Value Proposition for Enabling Construction Project Innovation by Applying Building Information Modeling.. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 2586307	3	1
162	Effects of Online Consumer Reviews on a Dual-Channel Closed-Loop Supply Chain With Trade-In. <i>IEEE Transactions on Engineering Management</i> , 2022 , 1-16	2.6	1
161	Expertise-structure and risk-appetite-integrated two-tiered collective opinion generation framework for large scale group decision making. <i>IEEE Transactions on Fuzzy Systems</i> , 2022 , 1-1	8.3	11
160	Discovering spatial-temporal patterns via complex networks in investigating COVID-19 pandemic in the United States.. <i>Sustainable Cities and Society</i> , 2021 , 77, 103508	10.1	5
159	EMBEDDED REMOTE GROUP ENVIRONMENT THROUGH MODIFICATION IN MACBETH DAN APPLICATION OF CONTRACTORS SELECTION IN CONSTRUCTION. <i>Journal of Civil Engineering and Management</i> , 2021 , 27, 595-616	3	1
158	Factors Affecting 3D Printing Technology Adaptation in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021026	4.2	10
157	Environmental Particulate Matter (PM) Exposure Assessment of Construction Activities Using Low-Cost PM Sensor and Latin Hypercubic Technique. <i>Sustainability</i> , 2021 , 13, 7797	3.6	1
156	The early warning system for determining the Hot in My Back Yard of heavy pollution projects based on public perception. <i>Journal of Cleaner Production</i> , 2021 , 282, 125398	10.3	9
155	Online-review analysis based large-scale group decision-making for determining passenger demands and evaluating passenger satisfaction: Case study of high-speed rail system in China. <i>Information Fusion</i> , 2021 , 69, 22-39	16.7	69
154	BIM-enabled construction innovation through collaboration: a mixed-methods systematic review. <i>Engineering, Construction and Architectural Management</i> , 2021 , 28, 1541-1560	3.1	4
153	Green Building Construction Cost Surcharge: An Overview. <i>Journal of Architectural Engineering</i> , 2021 , 27, 04021034	1.5	3
152	Discovering optimal strategies for mitigating COVID-19 spread using machine learning: Experience from Asia. <i>Sustainable Cities and Society</i> , 2021 , 75, 103254	10.1	8
151	Construction Automation and Robotics for High-Rise Buildings: Development Priorities and Key Challenges. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020096	4.2	4
150	Multi-classifier information fusion in risk analysis. <i>Information Fusion</i> , 2020 , 60, 121-136	16.7	76
149	Clustering of designers based on building information modeling event logs. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 701-718	8.4	12
148	MEASURING VALUE-ADDED-ORIENTED BIM CLIMATE IN CONSTRUCTION PROJECTS: DIMENSIONS AND INDICATORS. <i>Journal of Civil Engineering and Management</i> , 2020 , 26, 800-818	3	2
147	Exploring driving factors of smart city development under the physical-human society-cyber (P-H-C) space model. <i>International Journal of Construction Management</i> , 2020 , 1-11	1.9	2

146	Governing Government-Project Owner Relationships in Water Megaprojects: a Concession Game Analysis on Allocation of Control Rights. <i>Water Resources Management</i> , 2020 , 34, 4003-4018	3.7	6
145	Construction Automation and Robotics: From One-Offs to Follow-Ups Based on Practices of Chinese Construction Companies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 05020013	4.2	2
144	Assessment of Terrorism Risk to Critical Infrastructures: The Case of a Power-Supply Substation. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7162	2.6	0
143	Optimal Strategy to Mitigate Tunnel-Induced Settlement in Soft Soils: Simulation Approach. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04019058	2	8
142	Human dynamics in near-miss accidents resulting from unsafe behavior of construction workers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 530, 121495	3.3	7
141	Excavation Safety Modeling Approach Using BIM and VPL. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-15	1.3	14
140	Hybrid Support Vector Machine Optimization Model for Prediction of Energy Consumption of Cutter Head Drives in Shield Tunneling. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04019019	5	20
139	Hybrid Recommendation Approach for Behavior Modification in the Chinese Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019035	4.2	10
138	Structural health monitoring and assessment using wavelet packet energy spectrum. <i>Safety Science</i> , 2019 , 120, 652-665	5.8	32
137	Modeling face reliability in tunneling: A copula approach. <i>Computers and Geotechnics</i> , 2019 , 109, 272-286	4.4	13
136	Perceiving interactions and dynamics of safety leadership in construction projects. <i>Safety Science</i> , 2018 , 106, 66-78	5.8	23
135	Simulation-Hybrid Approach to Protecting Aging Bridges against Nearby Tunnel Excavation. <i>Journal of Performance of Constructed Facilities</i> , 2018 , 32, 04018052	2	1
134	Validating DFS concept in lifecycle subway projects in China based on incident case analysis and network analysis. <i>Journal of Civil Engineering and Management</i> , 2018 , 24, 53-66	3	17
133	Data based complex network modeling and analysis of shield tunneling performance in metro construction. <i>Advanced Engineering Informatics</i> , 2018 , 38, 168-186	7.4	31
132	A LITERATURE REVIEW OF THE FACTORS LIMITING THE APPLICATION OF BIM IN THE CONSTRUCTION INDUSTRY. <i>Technological and Economic Development of Economy</i> , 2017 , 23, 764-779	4.7	77
131	Risk-based estimate for operational safety in complex projects under uncertainty. <i>Applied Soft Computing Journal</i> , 2017 , 54, 108-120	7.5	21
130	Optimization strategies to eliminate interface conflicts in complex supply chains of construction projects. <i>Journal of Civil Engineering and Management</i> , 2017 , 23, 712-726	3	17
129	An improved Dempster-Shafer approach to construction safety risk perception. <i>Knowledge-Based Systems</i> , 2017 , 132, 30-46	7.3	66

128	Characterizing time series of near-miss accidents in metro construction via complex network theory. <i>Safety Science</i> , 2017 , 98, 145-158	5.8	54
127	PUBLIC-PRIVATE PARTNERSHIP FOR EARTHQUAKE MITIGATION INVOLVING RETROFIT AND INSURANCE. <i>Technological and Economic Development of Economy</i> , 2017 , 23, 810-826	4.7	3
126	BIM-BASED RISK IDENTIFICATION SYSTEM IN TUNNEL CONSTRUCTION. <i>Journal of Civil Engineering and Management</i> , 2016 , 22, 529-539	3	61
125	Conflict and consensus in stakeholder attitudes toward sustainable transport projects in China: An empirical investigation. <i>Habitat International</i> , 2016 , 53, 473-484	4.6	22
124	Simulation-Based Analysis of Tunnel Boring Machine Performance in Tunneling Excavation. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015073	5	7
123	Towards a Fuzzy Bayesian Network Based Approach for Safety Risk Analysis of Tunnel-Induced Pipeline Damage. <i>Risk Analysis</i> , 2016 , 36, 278-301	3.9	106
122	How Many Types of Critical Activities Exist? A Conjecture in Need of Proof. <i>Procedia Engineering</i> , 2016 , 164, 3-11		11
121	Perceiving Interactions on Construction Safety Behaviors: Workers' Perspective. <i>Journal of Management in Engineering - ASCE</i> , 2016 , 32, 04016012	5.3	28
120	Dynamic risk analysis for adjacent buildings in tunneling environments: a Bayesian network based approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1447-1461	3.5	18
119	Prospective safety performance evaluation on construction sites. <i>Accident Analysis and Prevention</i> , 2015 , 78, 58-72	6.1	75
118	Conservation of historical buildings in tunneling environments: Case study of Wuhan metro construction in China. <i>Construction and Building Materials</i> , 2015 , 82, 310-322	6.7	27
117	How to protect historical buildings against tunnel-induced damage: A case study in China. <i>Journal of Cultural Heritage</i> , 2015 , 16, 904-911	2.9	13
116	IDENTIFICATION AND HIERARCHICAL STRUCTURE OF CRITICAL SUCCESS FACTORS FOR INNOVATION IN CONSTRUCTION PROJECTS: CHINESE PERSPECTIVE. <i>Journal of Civil Engineering and Management</i> , 2015 , 22, 401-416	3	22
115	A dynamic Bayesian network based approach to safety decision support in tunnel construction. <i>Reliability Engineering and System Safety</i> , 2015 , 134, 157-168	6.3	109
114	A Dynamic Decision Approach for Risk Analysis in Complex Projects. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015 , 79, 591-601	2.9	7
113	Information and Communication Technology Applications in Architecture, Engineering, and Construction Organizations: A 15-Year Review. <i>Journal of Management in Engineering - ASCE</i> , 2015 , 31,	5.3	61
112	Developing a cloud model based risk assessment methodology for tunnel-induced damage to existing pipelines. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 513-526	3.5	58
111	Assessment of Casualty and Economic Losses from Earthquakes Using Semi-empirical Model. <i>Procedia Engineering</i> , 2015 , 123, 599-605		10

110	Analysis of the First Polish BIM-Based Cost Estimation Application. <i>Procedia Engineering</i> , 2015 , 123, 405-414		16
109	Understanding the value of training in the professional workplace: a literature review. <i>International Journal of Continuing Engineering Education and Life-Long Learning</i> , 2015 , 25, 347	0.8	5
108	A probabilistic approach for safety risk analysis in metro construction. <i>Safety Science</i> , 2014 , 63, 8-17	5.8	73
107	Towards a safety management approach for adjacent buildings in tunneling environments: Case study in China. <i>Building and Environment</i> , 2014 , 75, 222-235	6.5	27
106	Performance analysis of Civil Engineering Journals based on the Web of Science database. <i>Archives of Civil and Mechanical Engineering</i> , 2014 , 14, 519-527	3.4	17
105	Bayesian-network-based safety risk analysis in construction projects. <i>Reliability Engineering and System Safety</i> , 2014 , 131, 29-39	6.3	151
104	Benefit-Cost Analysis of the Seismic Risk Mitigation for a Region with Moderate Seismicity: The Case of Tiberias, Israel. <i>Procedia Engineering</i> , 2014 , 85, 536-542		6
103	ORGANIZATIONAL GOVERNANCE TO INTEGRATE SUSTAINABILITY PROJECTS: A CASE STUDY. <i>Technological and Economic Development of Economy</i> , 2014 , 20, 1-24	4.7	16
102	Safety management in tunnel construction: Case study of Wuhan metro construction in China. <i>Safety Science</i> , 2014 , 62, 8-15	5.8	52
101	Web-based real time bridge scour monitoring system for disaster management. <i>Baltic Journal of Road and Bridge Engineering</i> , 2014 , 9, 17-25	0.9	4
100	Risk assessment for enterprise resource planning (ERP) system implementations: a fault tree analysis approach. <i>Enterprise Information Systems</i> , 2013 , 7, 332-353	3.5	31
99	Modeling and experimental validation of a solar-assisted direct expansion air conditioning system. <i>Energy and Buildings</i> , 2013 , 66, 524-536	7	19
98	Decision support analysis for safety control in complex project environments based on Bayesian Networks. <i>Expert Systems With Applications</i> , 2013 , 40, 4273-4282	7.8	64
97	A novel model for risk assessment of adjacent buildings in tunneling environments. <i>Building and Environment</i> , 2013 , 65, 185-194	6.5	49
96	GPS-Based Real-Time Guidance Information System for Marine Pier Construction. <i>Journal of Surveying Engineering, - ASCE</i> , 2013 , 139, 84-94	1.3	2
95	Selection of construction methods: a knowledge-based approach. <i>Scientific World Journal, The</i> , 2013 , 2013, 938503	2.2	2
94	System Dynamics (SD) -based concession pricing model for PPP highway projects. <i>International Journal of Project Management</i> , 2012 , 30, 240-251	7.6	62
93	ESTIMATING CAPITAL AND OPERATIONAL COSTS OF BACKHOE SHOVELS. <i>Journal of Civil Engineering and Management</i> , 2012 , 18, 378-385	3	4

92	Quantitative SWOT Analysis of Public Housing Delivery by Public-Private Partnerships in China Based on the Perspective of the Public Sector. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 407-420	5.3	27
91	Developing Key Performance Indicators for Public-Private Partnership Projects: Questionnaire Survey and Analysis. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 252-264	5.3	78
90	Knowledge Management for Risk Hedging by Construction Material Suppliers. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 273-280	5.3	13
89	Web-Based Project Management Framework for Dredging Projects. <i>Journal of Management in Engineering - ASCE</i> , 2012 , 28, 127-139	5.3	5
88	A COMPUTERIZED RISK EVALUATION MODEL FOR PUBLIC-PRIVATE PARTNERSHIP (PPP) PROJECTS AND ITS APPLICATION. <i>International Journal of Strategic Property Management</i> , 2012 , 16, 277-297	1.9	19
87	A DECISION-MAKING MODEL FOR ADOPTION OF ENTERPRISE RESOURCE PLANNING TOOLS BY SMALL-TO-MEDIUM SIZE CONSTRUCTION ORGANIZATIONS / SPRENDIMĖJIMŲ MODELIS, TAIKOMAS Į MONS ĮVEIKLI PLANAVIMO PRIEMONĖS PARINKTI MAŽE IR VIDUTINSE STATYBOS ORGANIZACIJOSE. <i>Journal of Civil Engineering and Management</i> , 2012 , 18, 253-261	3	16
86	DEVELOPING A CONCESSION PRICING MODEL FOR PPP HIGHWAY PROJECTS. <i>International Journal of Strategic Property Management</i> , 2012 , 16, 201-217	1.9	10
85	2011 ,		5
84	Empirical Analysis of Construction Enterprise Information Systems: Assessing System Integration, Critical Factors, and Benefits. <i>Journal of Computing in Civil Engineering</i> , 2011 , 25, 347-356	5	12
83	Success factors for the implementation of web-based construction project management systems. <i>Construction Innovation</i> , 2011 , 11, 14-42	4.1	12
82	ULTRA-WIDE BAND APPLICATIONS IN INDUSTRY: A CRITICAL REVIEW / ULTRAPLAŪS JUOSTOS BANGŲ TAIKYMAS PRAMONĖJE: KRITINĖ APŪVALGA. <i>Journal of Civil Engineering and Management</i> , 2011 , 17, 437-444	3	15
81	USING AN INTEGRATED MODEL FOR SHAFT SINKING METHOD SELECTION / KOMPLEKSNIO MODELIO NAUDOJIMAS GRINIŲ RENGIMO METODUI PARINKTI. <i>Journal of Civil Engineering and Management</i> , 2011 , 17, 569-580	3	33
80	THE ANALYSIS ON THE POLICY OF ACCESS TO ECONOMICALLY AFFORDABLE HOUSING IN CHINA: AN AREA CALCULATION MODEL BASED ON THE INCENTIVE MECHANISM DESIGN / GALIMYBIŲ GAUTI Į PERKAMŲS TIKINIJOJE POLITIKOS ANALIZĖ PLOTO SKAIŲ AVIMO MODELIS, PAGRĖSTAS SKATINAMO. <i>International Journal of Strategic Property Management</i> , 2011 , 15, 231-256	1.9	7
79	ENTERPRISE RESOURCE PLANNING SYSTEMS IMPLEMENTATION AS A COMPLEX PROJECT: A CONCEPTUAL FRAMEWORK. <i>Journal of Business Economics and Management</i> , 2010 , 11, 533-549	2	24
78	Developing an ARIS-House-Based Method from Existing Information Systems to Project-Based Enterprise Resource Planning for General Contractor. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 199-209	4.2	7
77	Web-Based Construction Project Specification System. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 212-221	5	11
76	Immigration and Construction: Analysis of the Impact of Immigration on Construction Project Costs. <i>Journal of Management in Engineering - ASCE</i> , 2010 , 26, 189-195	5.3	10
75	Performance Objectives Selection Model in Public-Private Partnership Projects Based on the Perspective of Stakeholders. <i>Journal of Management in Engineering - ASCE</i> , 2010 , 26, 89-104	5.3	68

74	Integrating Neurofuzzy System with Conceptual Cost Estimation to Discover Cost-Related Knowledge from Residential Construction Projects. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 35-44	5	21
73	Selection of performance objectives and key performance indicators in public-private partnership projects to achieve value for money. <i>Construction Management and Economics</i> , 2009 , 27, 253-270	3	177
72	Immigration and Construction: The Makeup of the Workforce in the Washington, D.C., Metropolitan Area. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 874-880	4.2	6
71	Embedded System for Construction Asset Tracking Combining Radio and Ultrasound Signals. <i>Journal of Computing in Civil Engineering</i> , 2009 , 23, 221-229	5	25
70	Determination of Key Performance Indicators with Enterprise Resource Planning Systems in Engineering Construction Firms. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 965-978	4.2	72
69	Cost-Benefit Analysis of Embedded Sensor System for Construction Materials Tracking. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 378-386	4.2	20
68	Noise Evaluation for Pavement Maintenance in Metropolitan Highway Bridges. <i>Journal of Performance of Constructed Facilities</i> , 2009 , 23, 181-189	2	1
67	Developing ERP Systems Success Model for the Construction Industry. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 207-216	4.2	54
66	Analytical and Experimental Approach for Assessing Vibration Serviceability of Highway Bridges Due to Heavy Vehicle Traffic. <i>Baltic Journal of Road and Bridge Engineering</i> , 2009 , 4, 123-133	0.9	7
65	Using the IKEA model and virtual prototyping technology to improve construction process management. <i>Construction Management and Economics</i> , 2008 , 26, 991-1000	3	19
64	Analyzing Enterprise Resource Planning System Implementation Success Factors in the Engineering Construction Industry. <i>Journal of Computing in Civil Engineering</i> , 2008 , 22, 373-382	5	67
63	Performance Evaluation of Construction Enterprise Resource Planning Systems. <i>Journal of Management in Engineering - ASCE</i> , 2008 , 24, 198-206	5.3	22
62	Wireless sensor networks as part of a web-based building environmental monitoring system. <i>Automation in Construction</i> , 2008 , 17, 729-736	9.6	120
61	Automation in Concrete Construction 2008 ,		1
60	BOT Viability Model for Large-Scale Infrastructure Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2007 , 133, 50-63	4.2	67
59	Supply chain optimization tool for purchasing decisions in B2B construction marketplaces. <i>Automation in Construction</i> , 2007 , 16, 569-575	9.6	36
58	Enabling e-business tools and robotics technology for teleconstruction. <i>Autonomous Robots</i> , 2007 , 22, 293-304	3	3
57	E-Portal for Construction Engineers: Integrated Construction Information Portal Using 4-Tier Architecture. <i>International Journal of Construction Management</i> , 2007 , 7, 83-99	1.9	

56	Implementing a B2B e-Work System to the Approval Process of Rebar Design and Estimation. <i>Journal of Computing in Civil Engineering</i> , 2006 , 20, 28-37	5	4
55	Success/Failure Factors and Performance Measures of Web-Based Construction Project Management Systems: Professionals' Viewpoint. <i>Journal of Construction Engineering and Management - ASCE</i> , 2006 , 132, 80-87	4.2	74
54	Automated recognition of surface defects using digital color image processing. <i>Automation in Construction</i> , 2006 , 15, 540-549	9.6	65
53	Economic Feasibility of Web-Based Project Management Solutions. <i>International Journal of Construction Management</i> , 2005 , 5, 103-121	1.9	2
52	ELECTRONIC NETWORKING TECHNOLOGIES IN CONSTRUCTION. <i>Journal of Construction Research</i> , 2004 , 05, 17-42		14
51	Object-oriented modeling of construction processes by unified modeling language. <i>Automation in Construction</i> , 2004 , 13, 447-468	9.6	19
50	Web-based construction project management systems: how to make them successful?. <i>Automation in Construction</i> , 2004 , 13, 491-506	9.6	117
49	Enabling information sharing between E-commerce systems for construction material procurement. <i>Automation in Construction</i> , 2004 , 13, 261-276	9.6	36
48	Utility assessment of Electronic Networking Technologies for Design-Build projects. <i>Automation in Construction</i> , 2003 , 12, 167-183	9.6	7
47	A framework for developing a unified B2B e-trading construction marketplace. <i>Automation in Construction</i> , 2003 , 12, 201-211	9.6	15
46	Applicability of e-Work models for the automation of construction materials management systems. <i>Production Planning and Control</i> , 2003 , 14, 789-797	4.3	20
45	OPTIMAL CONFIGURATION OF ELECTRONIC NETWORKING TECHNOLOGIES FOR SUPPORTING D/B PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2002 , 8, 240-254	3	
44	Utility of Internet-Based Applications in Construction. <i>International Journal of Construction Management</i> , 2002 , 2, 65-81	1.9	2
43	OPTIMAL CONFIGURATION OF ELECTRONIC NETWORKING TECHNOLOGIES FOR SUPPORTING D/B PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2002 , 8, 240-254	3	
42	A neuro-fuzzy computational approach to constructability knowledge acquisition for construction technology evaluation. <i>Automation in Construction</i> , 1999 , 8, 539-552	9.6	27
41	Quantitative constructability analysis with a neuro-fuzzy knowledge-based multi-criterion decision support system. <i>Automation in Construction</i> , 1999 , 8, 553-565	9.6	35
40	Fuzzy Logic for Evaluating Alternative Construction Technology. <i>Journal of Construction Engineering and Management - ASCE</i> , 1998 , 124, 297-304	4.2	20
39	Simulation of Automated Data Collection in Buildings. <i>Journal of Computing in Civil Engineering</i> , 1995 , 9, 9-20	5	33

38	DECISION ANALYSIS FOR NEW CONSTRUCTION TECHNOLOGY IMPLEMENTATION. <i>Civil Engineering and Environmental Systems</i> , 1995 , 12, 67-82		5
37	Neural Network Method of Estimating Construction Technology Acceptability. <i>Journal of Construction Engineering and Management - ASCE</i> , 1995 , 121, 130-142	4.2	47
36	Robotics in Civil Engineering. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1995 , 10, 371-381	8.4	27
35	Construction Robot Force Control in Cleaning Operations. <i>Journal of Aerospace Engineering</i> , 1994 , 7, 33-49	1.4	5
34	Estimating Construction Productivity: Neural-Network-Based Approach. <i>Journal of Computing in Civil Engineering</i> , 1994 , 8, 234-251	5	77
33	Analysis and Evaluation of Alternative Technologies. <i>Journal of Management in Engineering - ASCE</i> , 1994 , 10, 65-71	5.3	8
32	Motion planning for automated construction. <i>Automation in Construction</i> , 1994 , 3, 71-78	9.6	6
31	Logistics Support System for Construction Robotics Implementation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 1994 , 9, 69-81	8.4	4
30	Knowledge-Based Approach to Modular Construction Decision Support. <i>Journal of Construction Engineering and Management - ASCE</i> , 1993 , 119, 115-130	4.2	42
29	Dynamic Model of Excavator. <i>Journal of Aerospace Engineering</i> , 1993 , 6, 148-158	1.4	66
28	Cognitive Force Control of Excavators. <i>Journal of Aerospace Engineering</i> , 1993 , 6, 159-166	1.4	25
27	Position-Force Adaptive Control for Construction Robots. <i>Journal of Aerospace Engineering</i> , 1993 , 6, 167-185	1.4	3
26	Automation potential of pipe laying operations. <i>Automation in Construction</i> , 1993 , 2, 65-79	9.6	6
25	Managing multiple construction robots with a computer. <i>Automation in Construction</i> , 1993 , 2, 199-216	9.6	3
24	Evaluation of Advanced Construction Technology with AHP Method. <i>Journal of Construction Engineering and Management - ASCE</i> , 1992 , 118, 577-593	4.2	142
23	Contractor prequalification data for construction owners. <i>Construction Management and Economics</i> , 1992 , 10, 117-135	3	71
22	Engineering Decision Support of Automated Shield Tunneling. <i>Journal of Construction Engineering and Management - ASCE</i> , 1991 , 117, 674-690	4.2	4
21	Information management system for new construction technologies. <i>Construction Management and Economics</i> , 1991 , 9, 39-49	3	1

20	Construction Robot Fleet Management System Prototype. <i>Journal of Computing in Civil Engineering</i> , 1991 , 5, 444-463	5	10
19	QUALIFIER-1: Contractor Prequalification Model. <i>Journal of Computing in Civil Engineering</i> , 1990 , 4, 77-90;		77
18	Framework for Construction Robot Fleet Management System. <i>Journal of Construction Engineering and Management - ASCE</i> , 1990 , 116, 448-462	4.2	5
17	Qualifier-2: Knowledge-Based System for Contractor Prequalification. <i>Journal of Construction Engineering and Management - ASCE</i> , 1990 , 116, 157-171	4.2	82
16	Potential for application of plastic liner plates in tunnelling works. <i>Construction Management and Economics</i> , 1990 , 8, 3-11	3	2
15	An ergonomic analysis framework for construction tasks. <i>Construction Management and Economics</i> , 1990 , 8, 329-338	3	7
14	Linear programming approach to construction equipment and labour assignments. <i>Civil Engineering and Environmental Systems</i> , 1990 , 7, 44-50		7
13	Automation and Robotics for Road Construction and Maintenance. <i>Journal of Transportation Engineering</i> , 1990 , 116, 261-271		18
12	Construction Robot Implementation Logistics 1990 ,		2
11	Comparison of U.S. and Japanese Practices in Public Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 1989 , 115, 499-516	4.2	3
10	Modelling of building production activities for multifacility projects. <i>Construction Management and Economics</i> , 1989 , 7, 357-365	3	3
9	A framework for programmable and flexible construction systems. <i>Robotics and Autonomous Systems</i> , 1989 , 5, 135-150	3.5	12
8	A master-slave manipulator for excavation and construction tasks. <i>Robotics and Autonomous Systems</i> , 1989 , 4, 333-337	3.5	28
7	A Systematic Approach to Industrial Technology Transfer: A Conceptual Framework and a Proposed Methodology. <i>Journal of Information Technology</i> , 1989 , 4, 7-16	2.7	3
6	Construction Robotic Equipment Management System (CREMS) 1989 ,		3
5	Decision Criteria in Contractor Prequalification. <i>Journal of Management in Engineering - ASCE</i> , 1988 , 4, 148-164	5.3	158
4	Cost Comparison Model for Contracting Out Government Services. <i>Journal of Management in Engineering - ASCE</i> , 1988 , 4, 260-271	5.3	3
3	Analysis of Robotic Surface Finishing Work on Construction Site. <i>Journal of Construction Engineering and Management - ASCE</i> , 1988 , 114, 53-68	4.2	15

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|---|--|-----|----|
| 2 | Framework for Decision-Making on Implementing Robotics in Construction. <i>Journal of Computing in Civil Engineering</i> , 1988 , 2, 188-201 | 5 | 27 |
| 1 | The impact of the design team characteristics on the sustainable building construction cost: structural equation model analysis. <i>Architectural Engineering and Design Management</i> , 1-17 | 1.2 | |