Mohamed Al-Hussein

List of Publications by Year in Descending Order

162 papers	2,570 citations	30 h-index	44 g-index
198 ext. papers	3,387 ext. citations	5.1 avg, IF	5.85 L-index

#	Paper	IF	Citations
162	Automated Ergonomics-Based Productivity Analysis for Intelligent Manufacturing in Industrialized Construction. *Lecture Notes in Civil Engineering*, **2023**, 321-333	0.3	
161	A hybrid precast concrete stiffened wall substructure for residential construction on expansive soils. *Journal of Building Engineering*, **2022**, 50, 104189	5.2	0
160	A cyber-physical system approach to zero-defect manufacturing in light-gauge steel frame assemblies. *Procedia Computer Science*, **2022**, 200, 924-933	1.6	1
159	Prediction of human restorative experience for human-centered residential architecture design: A non-immersive VR⊡OE-based machine learning method. *Automation in Construction*, **2022**, 136, 104189	9.6	0
158	Integrating off-site and on-site panelized construction schedules using fleet dispatching. *Automation in Construction*, **2022**, 137, 104201	9.6	1
157	Energy-Efficiency Requirements for Residential Building Envelopes in Cold-Climate Regions. *Atmosphere*, **2021**, 12, 405	2.7	2
156	Automation for sewer pipe assessment: CCTV video interpretation algorithm and sewer pipe video assessment (SPVA) system development. *Automation in Construction*, **2021**, 125, 103622	9.6	2
155	A vision-based approach for automatic progress tracking of floor paneling in offsite construction facilities. *Automation in Construction*, **2021**, 125, 103620	9.6	8
154	Conceptual design of controllers for automated modular construction machines. *Results in Engineering*, **2021**, 10, 100220	3.3	0
153	Competitive Assessment of Ice and Frozen Silt Mat for Crane Ground Support Using Finite-Element Analysis. *Journal of Construction Engineering and Management - ASCE*, **2021**, 147, 04021038	4.2	2
152	Implementation of Combined Loading to Calculate Ground Bearing Pressure under Crawler Crane Tracks. *Journal of Construction Engineering and Management - ASCE*, **2021**, 147,	4.2	1
151	Thermal resistance of multi-functional panels in cold-climate regions. *Journal of Building Engineering*, **2021**, 33, 101838	5.2	2
150	Simulation of ground bearing pressure profile under hydraulic crane outrigger mats for the verification of 16-point combined loading. *Procedia Computer Science*, **2021**, 180, 482-491	1.6	0
149	4D-based automation of heavy lift planning in industrial construction projects. *Canadian Journal of Civil Engineering*, **2021**, 48, 1115-1129	1.3	2
148	Decision support for hydraulic crane stabilization using combined loading and crane mat strength analysis. *Automation in Construction*, **2021**, 131, 103884	9.6	0
147	Construction Workers⊡Behavior Assessment Using 3D Visualization and Fuzzy Logic Method **2020**,		2
146	Simulation-Driven Design of Wood Framing Support Systems for Off-Site Construction Machinery. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020075	4.2	5

145	An agent-based simulation framework for analysing fall risk among older adults in the evacuation procedures. *Safety Science*, **2020**, 129, 104790	5.8	5
144	Improving Information Sharing in Major Construction Projects through OC and POC: RDT Perspective. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020068	4.2	5
143	Data-driven bi-level sewer pipe deterioration model: Design and analysis. *Automation in Construction*, **2020**, 116, 103181	9.6	10
142	Data-Driven Framework for Modeling Productivity of Closed-Circuit Television Recording Process for Sewer Pipes. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020093	4.2	1
141	Virtual reality applications for the built environment: Research trends and opportunities. *Automation in Construction*, **2020**, 118, 103311	9.6	49
140	Automated verification of 3D manufacturability for steel frame assemblies. *Automation in Construction*, **2020**, 118, 103287	9.6	4
139	Intelligent vision-based online inspection system of screw-fastening operations in light-gauge steel frame manufacturing. *International Journal of Advanced Manufacturing Technology*, **2020**, 109, 645-657	3.2	10
138	Long-term performance and GHG emission offset analysis of small-scale grid-tied residential solar PV systems in northerly latitudes. *Advances in Building Energy Research*, **2020**, 1-22	1.8	1
137	Automated rigging design for heavy industrial lifts. *Automation in Construction*, **2020**, 112, 103083	9.6	1
136	A BIM-based framework for operation and maintenance of utility tunnels. *Tunnelling and Underground Space Technology*, **2020**, 97, 103252	5.7	36
135	A Comparative Study of Offsite Construction Manufacturing Techniques **2020**,		1
134	Application of Virtual Reality to Perform Ergonomic Risk Assessment in Industrialized Construction: Experiment Design **2020**,		2
133	A framework for value visualization in the construction industry to support value-oriented design. *Canadian Journal of Civil Engineering*, **2020**, 47, 833-845	1.3	1
132	Spatial Analysis Framework for Age-Restricted Communities Integrating Spatial Distribution and Accessibility Evaluation. *Journal of the Urban Planning and Development Division, ASCE*, **2020**, 146, 04019021	2.2	7
131	A deep learning-based framework for an automated defect detection system for sewer pipes. *Automation in Construction*, **2020**, 109, 102967	9.6	60
130	BIM-based decision support system for automated manufacturability check of wood frame assemblies. *Automation in Construction*, **2020**, 111, 103065	9.6	15
129	Improvement of transportation cost estimation for prefabricated construction using geo-fence-based large-scale GPS data feature extraction and support vector regression. *Advanced Engineering Informatics*, **2020**, 43, 101012	7.4	11
128	Electrochromic Battery Displays with Energy Retrieval Functions Using Solution-Processable Colloidal Vanadium Oxide Nanoparticles. *Advanced Optical Materials*, **2020**, 8, 1901224	8.1	32

127	Bilevel Decision-Support Model for Bus-Route Optimization and Accessibility Improvement for Seniors. *Journal of Computing in Civil Engineering*, **2020**, 34, 04019057	5	1
126	Online vision-based inspection system for thermoplastic hot plate welding in window frame manufacturing. *Procedia CIRP*, **2020**, 93, 1316-1321	1.8	3
125	Exploring and verifying BIM-based energy simulation for building operations. *Engineering, Construction and Architectural Management*, **2020**, 27, 1679-1702	3.1	5
124	Process-Oriented Framework to Improve Modular and Offsite Construction Manufacturing Performance. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020116	4.2	9
123	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
122	Data-Driven Sewer Pipe Data Random Generation and Validation. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020131	4.2	1
121	Framework for an IoT-based shop floor material management system for panelized homebuilding. *International Journal of Construction Management*, **2020**, 20, 130-145	1.9	20
120	Framework for target cost modelling in construction projects. *International Journal of Construction Management*, **2020**, 20, 89-104	1.9	6
119	A scientometric analysis and critical review of computer vision applications for construction. *Automation in Construction*, **2019**, 107, 102947	9.6	51
118	Real-time visual detection and correction of automatic screw operations in dimpled light-gauge steel framing with pre-drilled pilot holes. *Procedia Manufacturing*, **2019**, 34, 798-803	1.5	8
117	Building information modelling for off-site construction: Review and future directions. *Automation in Construction*, **2019**, 101, 72-91	9.6	121
116	An improved physical demand analysis framework based on ergonomic risk assessment tools for the manufacturing industry. *International Journal of Industrial Ergonomics*, **2019**, 70, 58-69	2.9	17
115	2D Drawing Visualization Framework for Applying Projection-Based Augmented Reality in a Panelized Construction Manufacturing Facility: Proof of Concept. *Journal of Computing in Civil Engineering*, **2019**, 33, 04019032	5	16
114	Novel Approach to Overcoming Discontinuity in Knowledge: Application in Value-Adding Frameworks in Construction Industry. *Journal of Construction Engineering and Management - ASCE*, **2019**, 145, 04019045	4.2	4
113	The application of multi-attribute utility theory for a market share-based design evaluation. *International Journal of Housing Markets and Analysis*, **2019**, 12, 985-1003	1.2	4
112	Oxygen-Vacancy-Tunable Electrochemical Properties of Electrodeposited Molybdenum Oxide Films. *ACS Applied Materials & Interfaces*, **2019**, 11, 20378-20385	9.5	49
111	Difference analysis of regional population ageing from temporal and spatial perspectives: a case study in China. *Regional Studies*, **2019**, 53, 849-860	3.4	12
110	Achieving housing energy-efficiency requirements: Methodologies and impacts on housing construction cost and energy performance. *Journal of Building Engineering*, **2019**, 26, 100874	5.2	5

109	Minimizing joist cutting waste through dynamic waste allocation in panelized floor manufacturing. *International Journal of Construction Management*, **2019**, 1-13	1.9	1
108	Towards sustainable construction: BIM-enabled design and planning of roof sheathing installation for prefabricated buildings. *Journal of Cleaner Production*, **2019**, 235, 1189-1201	10.3	32
107	User-centered interior finishing material selection: An immersive virtual reality-based interactive approach. *Automation in Construction*, **2019**, 106, 102884	9.6	11
106	Conceptual design of an automated steel wall framing assembly using axiomatic design and integrated function model. *Construction Robotics*, **2019**, 3, 83-101	1.4	3
105	Standard Closed-Circuit Television (CCTV) Collection Time Extraction of Sewer Pipes with Machine Learning Algorithm **2019**,		3
104	Ontology-Based Knowledge Modeling for Frame Assemblies Manufacturing **2019**,		7
103	Application of Virtual Reality in Task Training in the Construction Manufacturing Industry **2019**,		4
102	Use of Finite Element Analysis for the Estimate of Freezing & Maintenance Phase of Indirect & Direct Artificial Ground Freezing of Proposed Frozen Silt Mat, an Alternative of Timber Mat **2019**,		3
101	A multi-criteria lifecycle assessment framework for evaluating building systems design. *Journal of Building Engineering*, **2019**, 23, 388-402	5.2	10
100	Energy code compliant house design for lowest lifecycle cost based on market-available technologies. *Canadian Journal of Civil Engineering*, **2019**, 46, 308-321	1.3	2
99	Generation of safe tool-paths for automatic manufacturing of light gauge steel panels in residential construction. *Automation in Construction*, **2019**, 98, 46-60	9.6	11
98	A vision-based system for pre-inspection of steel frame manufacturing. *Automation in Construction*, **2019**, 97, 151-163	9.6	40
97	Automated post-3D visualization ergonomic analysis system for rapid workplace design in modular construction. *Automation in Construction*, **2019**, 98, 160-174	9.6	20
96	Assessing accessibility-based service effectiveness (ABSEV) and social equity for urban bus transit: A sustainability perspective. *Sustainable Cities and Society*, **2019**, 44, 499-510	10.1	18
95	A BIM-based automation of design and drafting for manufacturing of wood panels for modular residential buildings. *International Journal of Construction Management*, **2019**, 19, 187-205	1.9	19
94	BIM-based automated design and planning for boarding of light-frame residential buildings. *Automation in Construction*, **2018**, 89, 235-249	9.6	34
93	Nanohybridization of molybdenum oxide with tungsten molybdenum oxide nanowires for solution-processed fully reversible switching of energy storing smart windows. *Nano Energy*, **2018**, 47, 130-139	17.1	70
92	Factor-based target cost modelling for construction projects. *Canadian Journal of Civil Engineering*, **2018**, 45, 393-406	1.3	3

91	An integrated decision support model for selecting the most feasible crane at heavy construction sites. *Automation in Construction*, **2018**, 87, 188-200	9.6	22
90	Experimental study of the performance of residential buildings utilizing potable water as a hydronic medium. *Journal of Building Engineering*, **2018**, 16, 220-227	5.2	
89	Analytic Hierarchy Process–Simulation Framework for Lighting Maintenance Decision-Making Based on the Clustered Network. *Journal of Performance of Constructed Facilities*, **2018**, 32, 04017114	2	9
88	Energy performance and the discrepancy of multiple NetZero Energy Homes (NZEHs) in cold regions. *Journal of Cleaner Production*, **2018**, 172, 106-118	10.3	9
87	Energy-based target cost modelling for construction projects. *Journal of Building Engineering*, **2018**, 20, 387-399	5.2	6
86	Carbon Reduction Measures-Based LCA of Prefabricated Temporary Housing with Renewable Energy Systems. *Sustainability*, **2018**, 10, 718	3.6	19
85	Experimental Study on the Palatability Impacts of Potable Water as a Hydronic Medium. *Water (Switzerland)*, **2018**, 10, 218	3	1
84	Improved Target-Value Design Approach through the Integration of Environmental Performance and Reliability Theory **2018**,		1
83	Spatial gaps in urban public transport supply and demand from the perspective of sustainability. *Journal of Cleaner Production*, **2018**, 195, 1237-1248	10.3	32
82	Stakeholder studies and the social networks of NetZero energy homes (NZEHs). *Sustainable Cities and Society*, **2018**, 38, 9-17	10.1	23
81	Integrated production planning and control system for a panelized home prefabrication facility using simulation and RFID. *Automation in Construction*, **2018**, 85, 369-383	9.6	65
80	3D Visualization-Based Ergonomic Risk Assessment and Work Modification Framework and Its Validation for a Lifting Task. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04017093	4.2	21
79	Design automation of control panels for automated modular construction machines. *Procedia CIRP*, **2018**, 70, 404-409	1.8	2
78	Neighborhood Design and Regional Accessibility of Age-Restricted Communities from Resiliency and Spatial Perspectives **2018**,		2
77	Climate Chamber Experiment-Based Thermal Analysis and Design Improvement of Traditional Huizhou Masonry Walls. *Sustainability*, **2018**, 10, 694	3.6	
76	Improving the productivity of drainage operations activities through schedule optimisation. *Urban Water Journal*, **2017**, 14, 298-306	2.3	2
75	3D-Based Crane Evaluation System for Mobile Crane Operation Selection on Modular-Based Heavy Construction Sites. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 04017060	4.2	29
74	A user-centric space heating energy management framework for multi-family residential facilities based on occupant pattern prediction modeling. *Building Simulation*, **2017**, 10, 899-916	3.9	5

73	Near optimum selection of module configuration for efficient modular construction. *Automation in Construction*, **2017**, 83, 316-329	9.6	34
72	The University of Alberta Hole School of Construction Engineering: 25 Years of Impact and Innovation. *Journal of Construction Engineering and Management - ASCE*, **2017**, 143, 02517001	4.2	
71	Automated energy simulation and analysis for NetZero Energy Home (NZEH) design. *Building Simulation*, **2017**, 10, 285-296	3.9	4
70	Construction Industrialization in China: Current Profile and the Prediction. *Applied Sciences (Switzerland)*, **2017**, 7, 180	2.6	25
69	OPTIMIZING MULTI-WALL PANEL CONFIGURATION FOR PANELIZED CONSTRUCTION USING BIM. *Proceedings of International Structural Engineering and Construction*, **2017**, 4,	1.4	3
68	AUTOMATION OF A STEEL WALL FRAMING ASSEMBLY. *Proceedings of International Structural Engineering and Construction*, **2017**, 4,	1.4	3
67	An energy performance monitoring, analysis and modelling framework for NetZero Energy Homes (NZEHs). *Energy and Buildings*, **2016**, 126, 353-364	7	24
66	Ontology-based semantic approach for construction-oriented quantity take-off from BIM models in the light-frame building industry. *Advanced Engineering Informatics*, **2016**, 30, 190-207	7.4	54
65	3D Visualization-Based Motion Planning of Mobile Crane Operations in Heavy Industrial Projects. *Journal of Computing in Civil Engineering*, **2016**, 30, 04014127	5	20
64	Discrete and Continuous Simulation Approach to Optimize the Productivity of Modular Construction Element **2016**,		3
63	Solar photovoltaic optimization for commercial flat rooftops in cold regions **2016**,		3
62	From AutoCAD to 3ds Max: An automated approach for animating heavy lifting studies. *Canadian Journal of Civil Engineering*, **2015**, 42, 190-198	1.3	21
61	Algorithm for Mobile Crane Walking Path Planning in Congested Industrial Plants. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 05014016	4.2	25
60	Automated generation of shop drawings in residential construction. *Automation in Construction*, **2015**, 55, 15-24	9.6	19
59	Overdue Invoice Management: Markov Chain Approach. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 04014062	4.2	1
58	An Automated Biomechanical Simulation Approach to Ergonomic Job Analysis for Workplace Design. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 04015020	4.2	48
57	BIM-based integrated approach for detailed construction scheduling under resource constraints. *Automation in Construction*, **2015**, 53, 29-43	9.6	110
56	Post-design system control for integrated space heating systems in residential buildings in cold regions. *Building and Environment*, **2015**, 94, 313-324	6.5	2

55	**2015**,		3
54	Simulation based multi-objective cost-time trade-off for multi-family residential off-site construction **2015**,		3
53	Energy Simulation of a Building Envelope for NetZero Energy Home (NZEH) Design **2015**,		1
52	Framework for Modeling On-Site Productivity of Preventive Maintenance Activities for Wastewater Collection Systems. *Journal of Infrastructure Systems*, **2015**, 21, 04015003	2.9	3
51	Utilization of 3D Visualization of Mobile Crane Operations for Modular Construction On-Site Assembly. *Journal of Management in Engineering - ASCE*, **2015**, 31, 04014080	5.3	36
50	A BIM-Based Simulation Model for Inventory Management in Panelized Construction **2015**,		9
49	A framework to monitor the integrated multi-source space heating systems to improve the design of the control system. *Energy and Buildings*, **2014**, 72, 398-410	7	8
48	Evidence-Based Evaluation of Staircase Architectural Design to Reduce the Risk of Falling for Older Adults. *Journal of Housing for the Elderly*, **2014**, 28, 107-132	1.6	5
47	Evaluation of the thermal and structural performance of potential energy efficient wall systems for mid-rise wood-frame buildings. *Energy and Buildings*, **2014**, 82, 416-427	7	9
46	Automating motion trajectory Of crane-lifted loads. *Automation in Construction*, **2014**, 45, 178-186	9.6	24
45	Integrated approach for older adult friendly home staircase architectural design. *Automation in Construction*, **2014**, 39, 117-125	9.6	4
44	Monitoring building energy consumption, thermal performance, and indoor air quality in a cold climate region. *Sustainable Cities and Society*, **2014**, 13, 57-68	10.1	45
43	A method for integrating occupational indoor air quality with building information modeling for scheduling construction activities. *Canadian Journal of Civil Engineering*, **2014**, 41, 245-251	1.3	11
42	Evolution of the crane selection and on-site utilization process for modular construction multilifts. *Automation in Construction*, **2014**, 43, 59-72	9.6	46
41	Wood-Frame Wall Panel Sequencing Based on Discrete-Event Simulation and Particle Swarm Optimization **2014**,		7
40	Integrated Visualization and Simulation for LiftingOperations of Modules under Congested Environment **2014**,		2
39	BIM-Based Integrated Framework for Detailed Cost Estimation and Schedule Planning of Construction Projects **2014**,		5
38	Automation for Mobile Crane Motion Planning in Industrial Projects **2014**,		2

37	Risk identification and assessment of modular construction utilizing fuzzy analytic hierarchy process (AHP) and simulation. *Canadian Journal of Civil Engineering*, **2013**, 40, 1184-1195	1.3	67
36	Productivity and CO2 emission analysis for tower crane utilization on high-rise building projects. *Automation in Construction*, **2013**, 31, 255-264	9.6	30
35	A methodology for mobile crane lift path checking in heavy industrial projects. *Automation in Construction*, **2013**, 31, 41-53	9.6	53
34	Lean Transformation in a Modular Building Company: A Case for Implementation. *Journal of Management in Engineering - ASCE*, **2013**, 29, 103-111	5.3	61
33	Automated Method for Checking Crane Paths for Heavy Lifts in Industrial Projects. *Journal of Construction Engineering and Management - ASCE*, **2013**, 139, 04013011	4.2	32
32	Automated post-simulation visualization of modular building production assembly line. *Automation in Construction*, **2012**, 21, 229-236	9.6	43
31	An automated system for the creation of an urban infrastructure 3D model using image processing techniques. *KSCE Journal of Civil Engineering*, **2012**, 16, 9-17	1.9	1
30	Simulation of mobile crane operations in 3D space **2012**,		2
29	Ergonomic Analysis and the Need for Its Integration for Planning and Assessing Construction Tasks. *Journal of Construction Engineering and Management - ASCE*, **2012**, 138, 1370-1376	4.2	33
28	A VR Model of Ergonomics and Productivity Assessment in Panelized Construction Production Line **2012**,		3
27	Integrated BIM/Lean Base Production Line Schedule Model for Modular Construction Manufacturing **2012**,		11
26	Integrated Building Information Model to Identify Possible Crane Instability Caused by Strong Winds **2012**,		4
25	Post simulation visualization model for effective scheduling of modular building construction1This paper is one of a selection of papers in this Special Issue on Construction Engineering and Management.. *Canadian Journal of Civil Engineering*, **2012**, 39, 1053-1061	1.3	21
24	Incentive genetic algorithm based time–cost trade-off analysis across a build–operate–transfer project concession period. *Canadian Journal of Civil Engineering*, **2011**, 38, 166-174	1.3	5
23	Innovative System for Off-the-Ground Rotation of Long Objects Using Mobile Cranes. *Journal of Construction Engineering and Management - ASCE*, **2011**, 137, 478-485	4.2	5
22	Combinatorial Algorithm for Optimizing Wood Waste in Framing Designs. *Journal of Construction Engineering and Management - ASCE*, **2011**, 137, 188-197	4.2	5
21	Application of Robotic Obstacle Avoidance in Crane Lift Path Planning **2011**,		5
20	Interactive and Dynamic Integrated Module for Mobile Cranes Supporting System Design. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 179-186	4.2	27

19	Spatial Trajectory Analysis for Cranes Operations on Construction Sites **2010**,		3
18	Integrated Module for Mobile Crane Dynamic Instability Analysis and Supporting System Design **2009**,		1
17	Virtual Construction Automation for Modular Assembly Operations **2009**,		7
16	Development of Lean Model for House Construction Using Value Stream Mapping. *Journal of Construction Engineering and Management - ASCE*, **2009**, 135, 782-790	4.2	66
15	Application of lean thinking to improve the productivity of water and sewer service installations. *Canadian Journal of Civil Engineering*, **2008**, 35, 418-430	1.3	16
14	Sustainable precast concrete foundation system for residential construction. *Canadian Journal of Civil Engineering*, **2008**, 35, 190-199	1.3	3
13	Municipal Infrastructure Asset Levels of Service Assessment for Investment Decisions Using Analytic Hierarchy Process. *Journal of Infrastructure Systems*, **2008**, 14, 193-200	2.9	20
12	Constructing a Complex Precast Tilt-Up-Panel Structure Utilizing an Optimization Model, 3D CAD, and Animation. *Journal of Construction Engineering and Management - ASCE*, **2007**, 133, 199-207	4.2	28
11	Case Study-Based Challenges of Quality Concrete Finishing for Architecturally Complex Structures. *Journal of Construction Engineering and Management - ASCE*, **2007**, 133, 208-216	4.2	7
10	Equipment workspace analysis in infrastructure projects. *Canadian Journal of Civil Engineering*, **2007**, 34, 1247-1256	1.3	8
9	An integrated methodology for collecting, classifying, and analyzing Canadian construction court cases. *Canadian Journal of Civil Engineering*, **2007**, 34, 177-188	1.3	4
8	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
7	PRIORITY RATING LOGIC SIMULATION MODEL FOR TOWER CRANE OPERATIONS MANAGEMENT. *Journal of Construction Research*, **2006**, 07, 133-147		2
6	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
5	Integrating 3D visualization and simulation for tower crane operations on construction sites. *Automation in Construction*, **2006**, 15, 554-562	9.6	82
4	Optimization Algorithm for Selection and on Site Location of Mobile Cranes. *Journal of Construction Engineering and Management - ASCE*, **2005**, 131, 579-590	4.2	73
3	D-CRANE: a database system for utilization of cranes. *Canadian Journal of Civil Engineering*, **2000**, 27, 1130-1138	1.3	18
2	Vision-based automated waste audits: a use case from the window manufacturing industry. *International Journal of Advanced Manufacturing Technology*, 1	3.2	1

LIST OF PUBLICATIONS