

Journal of Construction Engineering and Management - ASCE 135, 990-998

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Citation Report

#	Article	IF	CITATIONS
1	Population and Initial Validation of a Formal Model for Construction Safety Risk Management. Journal of Construction Engineering and Management - ASCE, 2010, 136, 981-990.	3.8	42
2	Safety risk interactions among highway construction work tasks. Construction Management and Economics, 2011, 29, 417-429.	3.0	50
3	New Method for Measuring the Safety Risk of Construction Activities: Task Demand Assessment. Journal of Construction Engineering and Management - ASCE, 2011, 137, 30-38.	3.8	59
4	Risk-Based Framework for Safety Investment in Construction Organizations. Journal of Construction Engineering and Management - ASCE, 2011, 137, 592-599.	3.8	39
5	Improving safety in carriage-based formwork of concrete bridge decks. KSCE Journal of Civil Engineering, 2011, 15, 751-759.	1.9	5
6	Attribute-Based Risk Model for Measuring Safety Risk of Struck-By Accidents. , 2012, , .		17
7	Cycle-Based Simulation for Evaluating Temporal Exposure to <i>In Situ</i> Hazards. Applied Mechanics and Materials, 2012, 174-177, 2940-2945.	0.2	0
8	Construction Risk Assessment Using Site Influence Factors. Journal of Computing in Civil Engineering, 2012, 26, 319-330.	4.7	50
9	Developing a Framework for Measuring the Effectiveness of Common Fall Prevention/Protection Practices. , 2012, , .		3
10	Safety risk management for electrical transmission and distribution line construction. Safety Science, 2013, 51, 118-126.	4.9	43
11	Integration of safety risk data with highway construction schedules. Construction Management and Economics, 2013, 31, 528-541.	3.0	35
12	Integration of Safety Risk Factors in BIM for Scaffolding Construction. , 2014, , .		26
13	Automated recognition of construction labour activity using accelerometers in field situations. International Journal of Productivity and Performance Management, 2014, 63, 841-862.	3.7	37
14	Defining consensus: A systematic review recommends methodologic criteria for reporting of Delphi studies. Journal of Clinical Epidemiology, 2014, 67, 401-409.	5.0	1,663
15	Risk-based management of occupational safety and health in the construction industry – Part 1: Background knowledge. Safety Science, 2014, 66, 75-86.	4.9	166
16	The Use of Cyber-Physical Systems in Temporary Structures—An Exploratory Study. , 2014, , .		3
17	Proposed Indicators of Prevention Through Design in Construction Projects. Revista De La Construccion, 2015, 14, 58-64.	0.5	11
18	Quantification and Assessment of Safety Risk in the Design of Multistory Buildings. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	32

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19	A stage-gate integrated risk control system for LNG plant projects: Focusing on the design phase. Journal of Natural Gas Science and Engineering, 2015, 22, 437-446.	4.4	6
20	Attribute-Based Safety Risk Assessment. I: Analysis at the Fundamental Level. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	45
21	Attribute-Based Safety Risk Assessment. II: Predicting Safety Outcomes Using Generalized Linear Models. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	59
22	Ontology-based semantic modeling of construction safety knowledge: Towards automated safety planning for job hazard analysis (JHA). Automation in Construction, 2015, 52, 29-41.	9.8	267
23	Comparative risk assessment of vehicle maintenance activities: Hybrid, battery electric, and hydrogen fuel cell cars. International Journal of Industrial Ergonomics, 2015, 47, 53-60.	2.6	22
24	Accident data study of concrete construction companies' similarities and differences between qualified and non-qualified workers in Spain. International Journal of Occupational Safety and Ergonomics, 2015, 21, 486-492.	1.9	13
25	Workforce location tracking to model, visualize and analyze workspace requirements in building information models for construction safety planning. Automation in Construction, 2015, 60, 74-86.	9.8	115
26	Information Retrieval Framework for Hazard Identification in Construction. Journal of Computing in Civil Engineering, 2015, 29, .	4.7	27
27	Overview and analysis of safety management studies in the construction industry. Safety Science, 2015, 72, 337-350.	4.9	378
28	BIM-based fall hazard identification and prevention in construction safety planning. Safety Science, 2015, 72, 31-45.	4.9	311
29	Analysis of the effectiveness of the OSHA steel erection standard in the construction industry. Safety Science, 2016, 89, 190-200.	4.9	8
30	Role of Safety Training: Impact on Hazard Recognition and Safety Risk Perception. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	110
31	APPLICATION OF DELPHI METHOD IN CONSTRUCTION ENGINEERING AND MANAGEMENT RESEARCH: A QUANTITATIVE PERSPECTIVE. Journal of Civil Engineering and Management, 2016, 22, 991-1000.	3.5	172
32	Quantifying Hazard Exposure Using Real-Time Location Data of Construction Workforce and Equipment. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	29
33	Automated hazardous area identification using laborers' actual and optimal routes. Automation in Construction, 2016, 65, 21-32.	9.8	65
34	Automated content analysis for construction safety: A natural language processing system to extract precursors and outcomes from unstructured injury reports. Automation in Construction, 2016, 62, 45-56.	9.8	207
35	Comprehensive Fall-Risk Assessment of Construction Workers Using Inertial Measurement Units: Validation of the Gait-Stability Metric to Assess the Fall Risk of Iron Workers. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	81
36	Identification, Quantification, and Classification of Potential Safety Risk for Sustainable Construction in the United States. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	36

#	ARTICLE	IF	CITATIONS
37	Precursors of Construction Fatalities. II: Predictive Modeling and Empirical Validation. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	22
38	Environmental benefits of renewable building materials: A case study in Taiwan. Energy and Buildings, 2017, 140, 236-244.	6.7	16
39	Assessing Safety Risk among Different Construction Trades: Quantitative Approach. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	3.8	42
40	Qualifications and Staffing Requirements of Safety Personnel in Construction. Practice Periodical on Structural Design and Construction, 2017, 22, .	1.3	3
41	Construction Safety Risk Modeling and Simulation. Risk Analysis, 2017, 37, 1917-1935.	2.7	28
42	Energy-based safety risk assessment: does magnitude and intensity of energy predict injury severity?. Construction Management and Economics, 2017, 35, 64-77.	3.0	31
43	Workers' medication as occupational risk at construction site with formworks. Work, 2017, 57, 389-395.	1.1	4
44	Briefing: The role of human values in behavioural safety. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2017, 170, 49-51.	0.5	2
45	Analyzing risk factors in crane-related near-miss and accident reports. Safety Science, 2017, 91, 192-205.	4.9	103
46	AHP-based analysis of the risk potential of safety incidents: Case study of cranes in the construction industry. Safety Science, 2017, 91, 298-309.	4.9	109
47	Construction Safety Clash Detection: Identifying Safety Incompatibilities among Fundamental Attributes using Data Mining. Automation in Construction, 2017, 74, 39-54.	9.8	92
49	Effect of Distraction on Hazard Recognition and Safety Risk Perception. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	3.8	72
50	Proactive Safety Measures: Quantifying the Upright Standing Stability after Sustained Rebar Tying Postures. Journal of Construction Engineering and Management - ASCE, 2018, 144, 04018010.	3.8	16
51	Spatiotemporal Network-Based Model for Dynamic Risk Analysis on Struck-by-Equipment Hazard. Journal of Computing in Civil Engineering, 2018, 32, 04017089.	4.7	9
52	Health and safety management practices of contractors in South East Asia: A multi country study of Cambodia, Vietnam, and Malaysia. Safety Science, 2018, 107, 188-201.	4.9	37
53	Developing Construction Hazard Database for Automated Hazard Identification Process. Tehnicki Vjesnik, 2018, 25, .	0.2	6
54	Automated detection and classification of construction workers' loss of balance events using wearable insole pressure sensors. Automation in Construction, 2018, 96, 189-199.	9.8	50
55	Fall risk assessment of construction workers based on biomechanical gait stability parameters using wearable insole pressure system. Advanced Engineering Informatics, 2018, 38, 683-694.	8.0	56

#	ARTICLE	IF	CITATIONS
56	Development of a tool to monitor static balance of construction workers for proactive fall safety management. Automation in Construction, 2018, 94, 438-448.	9.8	48
57	Identifying factors and mitigation measures of safety practices for sustainable building construction. IOP Conference Series: Earth and Environmental Science, 2019, 294, 012041.	0.3	2
58	Using 4D BIM to assess construction risks during the design phase. Engineering, Construction and Architectural Management, 2019, 26, 2637-2654.	3.1	57
59	Fusion Model for Hazard Association Network Development: A Case in Elevator Installation and Maintenance. KSCE Journal of Civil Engineering, 2019, 23, 1451-1465.	1.9	8
60	Influential safety technology adoption predictors in construction. Engineering, Construction and Architectural Management, 2019, 26, 2655-2681.	3.1	42
61	Interdependency of construction safety hazards from a network perspective: a mechanical installation case. International Journal of Occupational Safety and Ergonomics, 2020, 26, 245-255.	1.9	3
62	Methods of safety prediction: analysis and integration of risk assessment, leading indicators, precursor analysis, and safety climate. Construction Management and Economics, 2020, 38, 308-321.	3.0	32
63	Does the potential safety risk affect whether particular construction hazards are recognized or not?. Journal of Safety Research, 2020, 75, 241-250.	3.6	17
64	A C-BiLSTM Approach to Classify Construction Accident Reports. Applied Sciences (Switzerland), 2020, 10, 5754.	2.5	21
65	Applicability of Formwork Automation Design Software for Aluminum Formwork. Applied Sciences (Switzerland), 2020, 10, 9029.	2.5	8
66	Using functional resonance analysis method to understand construction activities for concrete structures. Safety Science, 2020, 128, 104771.	4.9	22
68	Transforming inherent safety risk in the construction Industry: A safety risk generation and control model. Safety Science, 2020, 124, 104594.	4.9	12
70	Estimating the Frequency of Exposure to Uncertain Hazards: Impact of Wind Conditions on Concrete Dam Construction. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	2
71	Understanding the fall-related safety issues in concrete formwork. E3S Web of Conferences, 2021, 263, 02007.	0.5	8
72	BIM-integrated construction safety risk assessment at the design stage of building projects. Automation in Construction, 2021, 124, 103553.	9.8	71
73	Sustainability model to assess the suitability of green roof alternatives for urban air pollution reduction applied in Tehran. Building and Environment, 2021, 194, 107683.	6.9	25
74	Quantitative Analysis of Safety Risks and Relationship with Delayed Project Completion Times. Risk Analysis, 2022, 42, 580-591.	2.7	7
7 5	Optimal Fall Protection System Selection Using a Fuzzy Multi-Criteria Decision-Making Approach for Construction Sites. Applied Sciences (Switzerland), 2021, 11, 5296.	2.5	5

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76	Development of formwork automation design software for improving construction productivity. Automation in Construction, 2021, 126, 103680.	9.8	11
77	Formwork Systems Selection Criteria for Building Construction Projects: A Critical Review of the Literature. Canadian Journal of Civil Engineering, 0, , .	1.3	5
78	Critical Success Factors of Safety Program Implementation in Construction Projects in Iraq. International Journal of Environmental Research and Public Health, 2021, 18, 8469.	2.6	17
79	An Internet of Things and Fuzzy Markup Language Based Approach to Prevent the Risk of Falling Object Accidents in the Execution Phase of Construction Projects. Sensors, 2021, 21, 6461.	3.8	10
80	Improving women's energy access, rights and equitable sustainable development: a Ghanaian perspective. Ecofeminism and Climate Change, 2021, ahead-of-print, .	1.0	1
81	Model for improvement of occupational health and safety in micro and small construction enterprises. International Journal of Occupational Safety and Ergonomics, 2021, , 1-12.	1.9	0
82	Practical Assessment of Potential Predictors of Serious Injuries and Fatalities in Construction. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	14
83	Factors Influencing Fire Safety on Building Construction Sites: A Fire Officer's Perspective. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	5
84	Developing A Virtual Safety Training Tool for Scaffolding and Formwork Activities. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 2022, 33, 11729-11748.	1.1	6
85	Cyber-Physical Systems for Temporary Structures Monitoring. , 2020, , 107-138.		12
86	A Method to Calculate the Accident Probabilities in Construction Industry Using a Poisson Distribution Model. Advances in Intelligent Systems and Computing, 2016, , 513-523.	0.6	1
87	A Method For Determination of Accident Probability in Construction Industry. Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, 2018, 29, 8537-8561.	1.1	15
88	Global Positioning System Data to Model and Visualize Workspace Density in Construction Safety Planning. , $2015, $, .		8
89	Review of previous applications of innovative information technologies in construction health and safety. Organization, Technology and Management in Construction, 2019, 11, 1952-1967.	1.1	13
90	Review of the Potential for a Cyber-Physical System Approach to Temporary Structures Monitoring. Archnet-IJAR, 2015, 9, 26.	1.5	9
91	CLASSIFICATION OF CONSTRUCTION HAZARDS FOR A UNIVERSAL HAZARD IDENTIFICATION METHODOLOGY. Journal of Civil Engineering and Management, 2020, 26, 147-159.	3.5	8
92	Multi-attribute regression analysis for concrete Pavement productivity estimation. Organization, Technology and Management in Construction, $2011, 3, .$	1.1	3
93	Hazardous Area Identification Model using Automated Data Collection(ADC) based on BIM. Korean Journal of Construction Engineering and Management, 2010, 11, 14-23.	0.1	1

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94	Information Retrieval in Construction Hazard Identification. Korean Journal of Construction Engineering and Management, 2011, 12, 53-63.	0.1	1
95	Development of Hierarchical Checking Tables for Safety Management of Apartment Gang-form Works. Journal of the Korea Institute of Building Construction, 2014, 14, 177-186.	0.1	0
96	Effectiveness of Construction Safety Programme Elements. Lecture Notes in Management and Industrial Engineering, 2015, , 285-289.	0.4	4
97	Formwork and False Work Hazards in Construction: Status and Effects in Bloemfontein, South Africa. , 2015, , .		1
98	How Nigerian PPP Affordable Housing projects can be better implemented Using Institutional Analysis Development Framework. , $2015, \ldots$		0
99	Methodology for Simulation based Construction Safety Risk Assessment. Korean Society of Hazard Mitigation, 2016, 16, 151-157.	0.2	0
100	Assigning Weights for Modified Project Quarter Back Rating Based Construction Project Performance Model. International Journal of Mathematical, Engineering and Management Sciences, 2019, 4, 895-904.	0.7	3
101	Predictive Models of Accidents at Work in the Steel Sector as a Framework for Sustainable Safety. Energies, 2021, 14, 129.	3.1	5
102	Evidence on Optimal Risk Allocation Models for Indonesian Geothermal Projects Under PPP Contracts. SSRN Electronic Journal, 0 , , .	0.4	0
103	Impact of Hazard State on Construction Workers Safety Risk Assessment., 2022,,.		2
104	Musculoskeletal Disorders in Concrete Formwork Construction. , 2022, , .		0
105	Towards enhancement in reliability and safety of construction projects: developing a hybrid multi-dimensional fuzzy-based approach. Engineering, Construction and Architectural Management, 2023, 30, 2255-2279.	3.1	14
106	Wearable acceleration-based action recognition for long-term and continuous activity analysis in construction site. Journal of Building Engineering, 2022, 52, 104448.	3.4	6
107	Analysis of Formwork System Selection Criteria for Building Construction Projects: A Comparative Study. Buildings, 2021, 11, 618.	3.1	9
108	An Integrated Safety, Health and Environmental Management Capability Maturity Model for Construction Organisations: A Case Study in Ghana. Buildings, 2021, 11, 645.	3.1	8
109	Developing a schedule integrated automated safety planning tool for residential construction projects. International Journal of Occupational Safety and Ergonomics, 2023, 29, 747-755.	1.9	0
110	Developing an Affordable Robotic System for Automated Fall Hazard Detection and Localization in Indoor Construction Environments. , 2022, , .		5
112	Prevention of Falls from Heights in Construction Using an IoT System Based on Fuzzy Markup Language and JFML. Applied Sciences (Switzerland), 2022, 12, 6057.	2.5	7

#	Article	IF	CITATIONS
113	Exploring the state of solar photovoltaic decentralization in Ghana: trends and success factors. IOP Conference Series: Earth and Environmental Science, 2022, 1042, 012013.	0.3	1
114	Formwork System Selection in Building Construction Projects Using an Integrated Rough AHP-EDAS Approach: A Case Study. Buildings, 2022, 12, 1084.	3.1	7
115	Affordable Multiagent Robotic System for Same-Level Fall Hazard Detection in Indoor Construction Environments. Journal of Computing in Civil Engineering, 2023, 37, .	4.7	5
116	AN EVALUATION ON THE TERM "NEAR MISS―IN OCCUPATIONAL HEALTH AND SAFETY. Avrasya Terİm Derg	İsİ, 0, 0.2	0
117	Assessment Tool for Human–Robot Interaction Safety Risks during Construction Operations. Journal of Construction Engineering and Management - ASCE, 2023, 149, .	3.8	8
118	Developing an ensemble risk analysis framework for improving the safety of tower crane operations under coupled Fuzzy-based environment. Safety Science, 2023, 158, 105957.	4.9	11
119	Integrated value model for sustainability assessment of residential solar energy systems towards minimizing urban air pollution in Tehran. Solar Energy, 2023, 249, 40-66.	6.1	9
120	Quantifying Safety in Off-site Construction. IOP Conference Series: Earth and Environmental Science, 2022, 1101, 042018.	0.3	1
121	Exploring barriers to effective safety risk assessment in Indian construction projects. Proceedings of Institution of Civil Engineers: Management, Procurement and Law, 2023, 176, 122-130.	0.5	1
122	Investigating the impact of physical fatigue on construction workers' situational awareness. Safety Science, 2023, 163, 106103.	4.9	10
123	Evidence on optimal risk allocation models for Indonesian geothermal projects under PPP contracts. Utilities Policy, 2023, 81, 101511.	4.0	2
124	Formal evaluation of construction safety performance metrics and a case for a balanced approach. Journal of Safety Research, 2023, 85, 380-390.	3.6	3
125	Harnessing BIM with risk assessment for generating automated safety schedule and developing application for safety training. Safety Science, 2023, 164, 106179.	4.9	3
126	Fall Risk Assessment for Vertical Formwork Activities in Construction. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2023, 9, .	1.7	0
127	A case study of motion data-driven biomechanical assessment for identifying and evaluating ergonomic interventions in reinforced-concrete work. Developments in the Built Environment, 2023, 16, 100236.	4.0	0
128	A Data-Driven Approach for Deploying Safety Policies for Schedule Planning in Industrial Construction Projects: A Case Study. Journal of Construction Engineering and Management - ASCE, 2023, 149, .	3.8	O
129	Implementing Toll Road Infrastructure Financing in Indonesia: Critical Success Factors from the Perspective of Toll Road Companies. International Journal of Financial Studies, 2023, 11, 135.	2.3	0
130	Analysis of the Aspects Influencing the Selection of Formwork in High-Rise Buildings Construction in Vietnam. Lecture Notes in Civil Engineering, 2024, , 297-308.	0.4	0

#	Article	IF	CITATIONS
131	Prevention and Safety Training to Improve Community Health. International Journal of Occupational and Environmental Medicine, $2021,1,1-9.$	2.0	0
132	Deployment of Safety Predictive Analytics to Prevent Workplace Incidents and Promote Event Reduction: A Machine Learning Approach Towards a Data-Driven Safety System. , 2023, , .		0