# Sanghyun Lee

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 159 papers | 6,162 citations | 57758 44 h-index | 79698 73 g-index |
| 160 all docs | 160 docs citations | 160 times ranked | 3067 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Computer vision techniques for construction safety and health monitoring. Advanced Engineering Informatics, 2015, 29, 239-251. | 8.0 | 349 |
| 2 | A vision-based motion capture and recognition framework for behavior-based safety management. Automation in Construction, 2013, 35, 131-141. | 9.8 | 266 |
| 3 | EEG-based workers' stress recognition at construction sites. Automation in Construction, 2018, 93, 315-324. | 9.8 | 207 |
| 4 | Visualization of Construction Progress Monitoring with 4D Simulation Model Overlaid on Time-Lapsed Photographs. Journal of Computing in Civil Engineering, 2009, 23, 391-404. | 4.7 | 203 |
| 5 | What drives construction workers' acceptance of wearable technologies in the workplace?: Indoor localization and wearable health devices for occupational safety and health. Automation in Construction, 2017, 84, 31-41. | 9.8 | 172 |
| 6 | Remote proximity monitoring between mobile construction resources using camera-mounted UAVs. Automation in Construction, 2019, 99, 168-182. | 9.8 | 166 |
| 7 | RFID-Based Real-Time Locating System for Construction Safety Management. Journal of Computing in Civil Engineering, 2012, 26, 366-377. | 4.7 | 143 |
| 8 | Wearable Sensing Technology Applications in Construction Safety and Health. Journal of Construction Engineering and Management - ASCE, 2019, 145, . | 3.8 | 142 |
| 9 | Generating construction schedules through automatic data extraction using open BIM (building) Tj ETQq1 1 0.784314 rgBT /Overlock | 9.8 | 137 |
| 10 | Toward an understanding of the impact of production pressure on safety performance in construction operations. Accident Analysis and Prevention, 2014, 68, 106-116. | 5.7 | 131 |
| 11 | Measuring Workersâ€™ Emotional State during Construction Tasks Using Wearable EEG. Journal of Construction Engineering and Management - ASCE, 2018, 144, . | 3.8 | 129 |
| 12 | Vision-Based Detection of Unsafe Actions of a Construction Worker: Case Study of Ladder Climbing. Journal of Computing in Civil Engineering, 2013, 27, 635-644. | 4.7 | 120 |
| 13 | Recognizing Diverse Construction Activities in Site Images via Relevance Networks of Construction-Related Objects Detected by Convolutional Neural Networks. Journal of Computing in Civil Engineering, 2018, 32, . | 4.7 | 116 |
| 14 | Enhancing perceived safety in humanâ€“robot collaborative construction using immersive virtual environments. Automation in Construction, 2018, 96, 161-170. | 9.8 | 110 |
| 15 | EEG Signal-Processing Framework to Obtain High-Quality Brain Waves from an Off-the-Shelf Wearable EEG Device. Journal of Computing in Civil Engineering, 2018, 32, . | 4.7 | 107 |
| 16 | Wristband-type wearable health devices to measure construction workers' physical demands. Automation in Construction, 2017, 83, 330-340. | 9.8 | 106 |
| 17 | Visualization, Information Modeling, and Simulation: Grand Challenges in the Construction Industry. Journal of Computing in Civil Engineering, 2016, 30, . | 4.7 | 102 |
| 18 | Feasibility analysis of heart rate monitoring of construction workers using a photoplethysmography (PPG) sensor embedded in a wristband-type activity tracker. Automation in Construction, 2016, 71, 372-381. | 9.8 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Automated Action Recognition Using an Accelerometer-Embedded Wristband-Type Activity Tracker. Journal of Construction Engineering and Management - ASCE, 2019, 145, . | 3.8 | 89 |
| 20 | Quality and Change Management Model for Large Scale Concurrent Design and Construction Projects. Journal of Construction Engineering and Management - ASCE, 2005, 131, 890-902. | 3.8 | 85 |
| 21 | Feasibility analysis of electrodermal activity (EDA) acquired from wearable sensors to assess construction workersâ€™ perceived risk. Safety Science, 2019, 115, 110-120. | 4.9 | 84 |
| 22 | Strategic-Operational Construction Management: Hybrid System Dynamics and Discrete Event Approach. Journal of Construction Engineering and Management - ASCE, 2008, 134, 701-710. | 3.8 | 82 |
| 23 | Application of dynamic time warping to the recognition of mixed equipment activities in cycle time measurement. Automation in Construction, 2018, 87, 225-234. | 9.8 | 81 |
| 24 | Digital Twin for Supply Chain Coordination in Modular Construction. Applied Sciences (Switzerland), 2021, 11, 5909. | 2.5 | 81 |
| 25 | Longitudinal analysis of normative energy use feedback on dormitory occupants. Applied Energy, 2017, 189, 623-639. | 10.1 | 80 |
| 26 | An Automated Biomechanical Simulation Approach to Ergonomic Job Analysis for Workplace Design. Journal of Construction Engineering and Management - ASCE, 2015, 141, . | 3.8 | 76 |
| 27 | Construction Workersâ€™ Group Norms and Personal Standards Regarding Safety Behavior: Social Identity Theory Perspective. Journal of Management in Engineering - ASCE, 2017, 33, . | 4.8 | 76 |
| 28 | Modeling Framework and Architecture of Hybrid System Dynamics and Discrete Event Simulation for Construction. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 77-91. | 9.8 | 73 |
| 29 | Application of Wearable Biosensors to Construction Sites. I: Assessing Workersâ€™ Stress. Journal of Construction Engineering and Management - ASCE, 2019, 145, . | 3.8 | 69 |
| 30 | A vision-based marker-less pose estimation system for articulated construction robots. Automation in Construction, 2019, 104, 80-94. | 9.8 | 69 |
| 31 | Motion Data-Driven Biomechanical Analysis during Construction Tasks on Sites. Journal of Computing in Civil Engineering, 2015, 29, . | 4.7 | 68 |
| 32 | Application of Low-Cost Accelerometers for Measuring the Operational Efficiency of a Construction Equipment Fleet. Journal of Computing in Civil Engineering, 2015, 29, . | 4.7 | 59 |
| 33 | An Empirically Based Agent-Based Model of the Sociocognitive Process of Construction Workersâ€™ Safety Behavior. Journal of Construction Engineering and Management - ASCE, 2018, 144, . | 3.8 | 59 |
| 34 | Exploratory Study on the Effectiveness of Interface-Management Practices in Dealing with Project Complexity in Large-Scale Engineering and Construction Projects. Journal of Management in Engineering - ASCE, 2017, 33, . | 4.8 | 56 |
| 35 | Empirical assessment of a RGB-D sensor on motion capture and action recognition for construction worker monitoring. Visualization in Engineering, 2013, 1, . | 8.8 | 55 |
| 36 | A framework for an automated and integrated project monitoring and control system for steel fabrication projects. Automation in Construction, 2011, 20, 88-97. | 9.8 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Role of Social Norms and Social Identifications in Safety Behavior of Construction Workers. I: Theoretical Model of Safety Behavior under Social Influence. Journal of Construction Engineering and Management - ASCE, 2017, 143, . | 3.8 | 52 |
| 38 | A Continuously Updated, Computationally Efficient Stress Recognition Framework Using Electroencephalogram (EEG) by Applying Online Multitask Learning Algorithms (OMTL). IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1928-1939. | 6.3 | 52 |
| 39 | Identification and Quantification of Non-Value-Adding Effort from Errors and Changes in Design and Construction Projects. Journal of Construction Engineering and Management - ASCE, 2012, 138, 98-109. | 3.8 | 50 |
| 40 | Impact of Social Network Type and Structure on Modeling Normative Energy Use Behavior Interventions. Journal of Computing in Civil Engineering, 2014, 28, 30-39. | 4.7 | 50 |
| 41 | Comparative Study of Motion Features for Similarity-Based Modeling and Classification of Unsafe Actions in Construction. Journal of Computing in Civil Engineering, 2014, 28, . | 4.7 | 49 |
| 42 | Importance of Operational Efficiency to Achieve Energy Efficiency and Exhaust Emission Reduction of Construction Operations. Journal of Construction Engineering and Management - ASCE, 2013, 139, 404-413. | 3.8 | 48 |
| 43 | Tracking-based 3D human skeleton extraction from stereo video camera toward an on-site safety and ergonomic analysis. Construction Innovation, 2016, 16, 348-367. | 2.7 | 48 |
| 44 | Off-Site Construction Planning Using Discrete Event Simulation. Journal of Architectural Engineering, 2012, 18, 114-122. | 1.6 | 47 |
| 45 | Dynamics of Working Hours in Construction. Journal of Construction Engineering and Management - ASCE, 2012, 138, 66-77. | 3.8 | 45 |
| 46 | Simulation-Based Assessment of Workersâ€™ Muscle Fatigue and Its Impact on Construction Operations. Journal of Construction Engineering and Management - ASCE, 2016, 142, . | 3.8 | 44 |
| 47 | Feasibility Study of a Wristband-Type Wearable Sensor to Understand Construction Workersâ€™ Physical and Mental Status. , 2018, , . | | 44 |
| 48 | Predicting hourly energy consumption in buildings using occupancy-related characteristics of end-user groups. Energy and Buildings, 2017, 156, 121-133. | 6.7 | 43 |
| 49 | Mobile EEG-Based Workersâ€™ Stress Recognition by Applying Deep Neural Network. , 2019, , 173-180. | | 43 |
| 50 | Reliability and Stability Buffering Approach: Focusing on the Issues of Errors and Changes in Concurrent Design and Construction Projects. Journal of Construction Engineering and Management - ASCE, 2006, 132, 452-464. | 3.8 | 42 |
| 51 | Experience, Productivity, and Musculoskeletal Injury among Masonry Workers. Journal of Construction Engineering and Management - ASCE, 2017, 143, . | 3.8 | 39 |
| 52 | Assessing occupational risk of heat stress at construction: A worker-centric wearable sensor-based approach. Safety Science, 2021, 142, 105395. | 4.9 | 39 |
| 53 | Effects of Workersâ€™ Social Learning: Focusing on Absence Behavior. Journal of Construction Engineering and Management - ASCE, 2013, 139, 1015-1025. | 3.8 | 37 |
| 54 | Integrating Construction Operation and Context in Large-Scale Construction Using Hybrid Computer Simulation. Journal of Computing in Civil Engineering, 2009, 23, 75-83. | 4.7 | 36 |

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|---|---|---|---|
| 55 | Proximity Prediction of Mobile Objects to Prevent Contact-Driven Accidents in Co-Robotic Construction. Journal of Computing in Civil Engineering, 2020, 34, . | 4.7 | 36 |
| 56 | Wearable Biosensor and Hotspot Analysisâ€“Based Framework to Detect Stress Hotspots for Advancing Elderlyâ€™s Mobility. Journal of Management in Engineering - ASCE, 2020, 36, . | 4.8 | 36 |
| 57 | Assessment of construction workersâ€™ perceived risk using physiological data from wearable sensors: A machine learning approach. Journal of Building Engineering, 2021, 42, 102824. | 3.4 | 36 |
| 58 | Toward Environmentally Sustainable Construction Processes: The U.S. and Canadaâ€™s Perspective on Energy Consumption and GHG/CAP Emissions. Sustainability, 2010, 2, 354-370. | 3.2 | 35 |
| 59 | Understanding and managing iterative error and change cycles in construction. System Dynamics Review, 2007, 23, 35-60. | 1.9 | 33 |
| 60 | A Supervised Learning-Based Construction Workersâ€™ Stress Recognition Using a Wearable Electroencephalography (EEG) Device. , 2018, , . | | 33 |
| 61 | Web-Enabled System Dynamics Model for Error and Change Management on Concurrent Design and Construction Projects. Journal of Computing in Civil Engineering, 2006, 20, 290-300. | 4.7 | 31 |
| 62 | An empirically grounded model for simulating normative energy use feedback interventions. Applied Energy, 2016, 173, 272-282. | 10.1 | 31 |
| 63 | Application of Wearable Biosensors to Construction Sites. II: Assessing Workersâ€™ Physical Demand. Journal of Construction Engineering and Management - ASCE, 2019, 145, . | 3.8 | 30 |
| 64 | Automated postural ergonomic risk assessment using vision-based posture classification. Automation in Construction, 2021, 128, 103725. | 9.8 | 30 |
| 65 | Hybrid Simulation Framework for Immediate Facility Restoration Planning after a Catastrophic Disaster. Journal of Construction Engineering and Management - ASCE, 2016, 142, . | 3.8 | 29 |
| 66 | Conceptual Framework to Optimize Building Energy Consumption by Coupling Distributed Energy Simulation and Occupancy Models. Journal of Computing in Civil Engineering, 2014, 28, 50-62. | 4.7 | 28 |
| 67 | Feasibility of Field Measurement of Construction Workersâ€™ Valence Using a Wearable EEG Device. , 2017, , . | | 28 |
| 68 | Postdisaster Interdependent Built Environment Recovery Efforts and the Effects of Governmental Plans: Case Analysis Using System Dynamics. Journal of Construction Engineering and Management - ASCE, 2015, 141, . | 3.8 | 27 |
| 69 | Integrated Framework for Estimating, Benchmarking, and Monitoring Pollutant Emissions of Construction Operations. Journal of Construction Engineering and Management - ASCE, 2013, 139, . | 3.8 | 26 |
| 70 | Construction Workersâ€™ Perceptions and Attitudes toward Social Norms as Predictors of Their Absence Behavior. Journal of Construction Engineering and Management - ASCE, 2014, 140, 04013069. | 3.8 | 26 |
| 71 | Feasibility of Wearable Electromyography (EMG) to Assess Construction Workersâ€™ Muscle Fatigue. , 2019, , 181-187. | | 26 |
| 72 | Energy consumption in households while unoccupied: Evidence from dormitories. Energy and Buildings, 2015, 87, 335-341. | 6.7 | 25 |

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|---|---|---|---|
| 73 | How to Improve Interface Management Behaviors in EPC Projects: Roles of Formal Practices and Social Norms. Journal of Management in Engineering - ASCE, 2018, 34, . | 4.8 | 25 |
| 74 | Methodology for Creating Empirically Supported Agent-Based Simulation with Survey Data for Studying Group Behavior of Construction Workers. Journal of Construction Engineering and Management - ASCE, 2015, 141, . | 3.8 | 24 |
| 75 | An integrated ergonomics framework for evaluation and design of construction operations. Automation in Construction, 2018, 95, 72-85. | 9.8 | 23 |
| 76 | Wearable Biosensor and Collective Sensingâ€“Based Approach for Detecting Older Adultsâ€™ Environmental Barriers. Journal of Computing in Civil Engineering, 2020, 34, . | 4.7 | 23 |
| 77 | Carbon Footprints Analysis for Tunnel Construction Processes in the Preplanning Phase Using Collaborative Simulation. , 2010, , . | | 22 |
| 78 | Paving the Way for Future EEG Studies in Construction: Dependent Component Analysis for Automatic Ocular Artifact Removal from Brainwave Signals. Journal of Construction Engineering and Management - ASCE, 2021, 147, . | 3.8 | 22 |
| 79 | Computer Vision Techniques for Worker Motion Analysis to Reduce Musculoskeletal Disorders in Construction. , 2011, , . | | 20 |
| 80 | Social network analysis of change management processes for communication assessment. Automation in Construction, 2020, 118, 103292. | 9.8 | 20 |
| 81 | Hybrid System Dynamics and Discrete Event Simulation for Construction Management. , 2007, , . | | 19 |
| 82 | Dynamics of workforce skill evolution in construction projects<sup>1</sup>This 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 | 19 |
| 83 | A comparative study of in-field motion capture approaches for body kinematics measurement in construction. Robotica, 2019, 37, 928-946. | 1.9 | 19 |
| 84 | Vision-Based Motion Detection for Safety Behavior Analysis in Construction. , 2012, , . | | 17 |
| 85 | Consideration of the Environmental Cost in Construction Contracting for Public Works: A+C and A+B+C Bidding Methods. Journal of Management in Engineering - ASCE, 2013, 29, 86-94. | 4.8 | 17 |
| 86 | Understanding construction workforce absenteeism in industrial construction. Canadian Journal of Civil Engineering, 2011, 38, 849-858. | 1.3 | 16 |
| 87 | Monitoring System for Operational Efficiency and Environmental Performance of Construction Operations Using Vibration Signal Analysis. , 2012, , . | | 16 |
| 88 | Action Recognition Using a Wristband-Type Activity Tracker: Case Study of Masonry Work. , 2016, , . | | 16 |
| 89 | Acceleromter-Based Measurement of Construction Equipment Operating Efficiency for Monitoring Environmental Performance. , 2013, , . | | 15 |
| 90 | Role of Social Norms and Social Identifications in Safety Behavior of Construction Workers. II: Group Analyses for the Effects of Cultural Backgrounds and Organizational Structures on Social Influence Process. Journal of Construction Engineering and Management - ASCE, 2017, 143, . | 3.8 | 15 |

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|---|---|---|---|
| 91 | An energy-cyber-physical system for personalized normative messaging interventions: Identification and classification of behavioral reference groups. Applied Energy, 2020, 260, 114237. | 10.1 | 15 |
| 92 | Grand Challenges in Simulation for the Architecture, Engineering, Construction, and Facility Management Industries. , 2013, , . | | 14 |
| 93 | Automated Postural Ergonomic Assessment Using a Computer Vision-Based Posture Classification. , 2016, , . | | 13 |
| 94 | Implementing Remote-Sensing Methodologies for Construction Research: An Unoccupied Airborne System Perspective. Journal of Construction Engineering and Management - ASCE, 2022, 148, . | 3.8 | 13 |
| 95 | Application of Dimension Reduction Techniques for Motion Recognition: Construction Worker Behavior Monitoring. , 2011, , . | | 12 |
| 96 | 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. | 4.7 | 12 |
| 97 | Distributed and interoperable simulation for comprehensive disaster response management in facilities. Automation in Construction, 2018, 93, 12-21. | 9.8 | 12 |
| 98 | Noise Reference Signalâ€“Based Denoising Method for EDA Collected by Multimodal Biosensor Wearable in the Field. Journal of Computing in Civil Engineering, 2020, 34, . | 4.7 | 12 |
| 99 | Ocular Artifacts Reduction in EEG Signals Acquired at Construction Sites by Applying a Dependent Component Analysis (DCA). , 2020, , . | | 12 |
| 100 | The psychological mechanism of construction workersâ€™ safety participation: The social identity theory perspective. Journal of Safety Research, 2022, 82, 194-206. | 3.6 | 12 |
| 101 | Effect of social network type on building occupant energy use. , 2012, , . | | 10 |
| 102 | A Stereo Vision-Based Approach to Marker-Less Motion Capture for On-Site Kinematic Modeling of Construction Worker Tasks. , 2014, , . | | 10 |
| 103 | Development of a computerized risk management system for international NPP EPC projects. KSCE Journal of Civil Engineering, 2017, 21, 11-26. | 1.9 | 10 |
| 104 | Assessing exposure to slip, trip, and fall hazards based on abnormal gait patterns predicted from confidence interval estimation. Automation in Construction, 2022, 139, 104253. | 9.8 | 10 |
| 105 | Quality and Change Management Framework for Concurrent Design and Construction. , 2003, , 1. | | 9 |
| 106 | A Real Option Perspective to Value the Multi-Stage Construction of Rainwater Harvesting Systems Reusing Septic Tank. Water Resources Management, 2014, 28, 2279-2291. | 3.9 | 9 |
| 107 | Potential of Convolutional Neural Network-Based 2D Human Pose Estimation for On-Site Activity Analysis of Construction Workers. , 2017, , . | | 9 |
| 108 | Effect of Dynamic Emergency Cues on Fire Evacuation Performance in Public Buildings. Journal of Infrastructure Systems, 2018, 24, . | 1.8 | 9 |

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| 109 | How Social Norms Influence Construction Workersâ€™ Safety Behavior: A Social Identity Perspective. , 2016, , . | | 8 |
| 110 | Silhouette-Based On-Site Human Action Recognition in Single-View Video. , 2016, , . | | 8 |
| 111 | Effective Green-Ampt Parameters for Two-Layered Soils. Journal of Hydrologic Engineering - ASCE, 2020, 25, . | 1.9 | 8 |
| 112 | Conditional Generative Adversarial Networks with Adversarial Attack and Defense for Generative Data Augmentation. Journal of Computing in Civil Engineering, 2022, 36, . | 4.7 | 8 |
| 113 | Wearable Insole Pressure Sensors for Automated Detection and Classification of Slip-Trip-Loss of Balance Events in Construction Workers. , 2018, , . | | 7 |
| 114 | Lessons learned from utilizing discrete-event simulation modeling for quantifying construction emissions in pre-planning phase. , 2010, , . | | 6 |
| 115 | System Dynamics Modeling of a Safety Culture Based on Resilience Engineering. , 2010, , . | | 6 |
| 116 | Dynamic Feasibility Analysis of the Housing Supply Strategies in a Recession: Korean Housing Market. Journal of Construction Engineering and Management - ASCE, 2013, 139, 148-160. | 3.8 | 6 |
| 117 | Challenges and Opportunities of Understanding Construction Workersâ€™ Physical Demands through Field Energy Expenditure Measurements Using a Wearable Activity Tracker. , 2016, , . | | 6 |
| 118 | Semantic Relation Detection between Construction Entities to Support Safe Human-Robot Collaboration in Construction. , 2019, , . | | 6 |
| 119 | Reference Signal-Based Method to Remove Respiration Noise in Electrodermal Activity (EDA) Collected from the Field. , 2019, , . | | 6 |
| 120 | Multi-Level Assessment of Occupational Stress in the Field Using a Wearable EEG Headset. , 2020, , . | | 6 |
| 121 | Feasibility of a Mobile Electroencephalogram (EEG) Sensor-Based Stress Type Classification for Construction Workers. , 2022, , . | | 6 |
| 122 | A robust positioning architecture for construction resources localization using wireless sensor networks. , 2011, , . | | 5 |
| 123 | Importance of Testing with Independent Subjects and Contexts for Machine-Learning Models to Monitor Construction Workersâ€™ Psychophysiological Responses. Journal of Construction Engineering and Management - ASCE, 2022, 148, . | 3.8 | 5 |
| 124 | Human-centric robotic manipulation in construction: generative adversarial networks based physiological computing mechanism to enable robots to perceive workersâ€™ cognitive load. Canadian Journal of Civil Engineering, 2023, 50, 224-238. | 1.3 | 5 |
| 125 | Discussion Panel on Computer Vision and Occupational Ergonomics. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 958-960. | 0.3 | 4 |
| 126 | High Level Architecture (HLA) compliant distributed simulation platform for disaster preparedness and response in facility management. , 2016, , . | | 4 |

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|---|---|---|---|
| 127 | Resource Performance Indicators in Controlling Industrial Steel Projects. , 2010, , . | | 3 |
| 128 | Modeling occupant energy use interventions in evolving social networks. , 2013, , . | | 3 |
| 129 | On-line simulation of building energy processes: Need and research requirements. , 2013, , . | | 3 |
| 130 | Dynamic Project Management: An Application of System Dynamics in Construction Engineering and Management. Intelligent Systems, Control and Automation: Science and Engineering, 2014, , 219-231. | 0.5 | 3 |
| 131 | Modeling the Effect of a Socio-Psychological Process on Construction Workersâ€™ Safety Behavior. , 2017, , . | | 3 |
| 132 | Monitoring Excavation Slope Stability Using Drones. , 2018, , . | | 3 |
| 133 | Enhancing Deep Neural Network-Based Trajectory Prediction: Fine-Tuning and Inherent Movement-Driven Post-Processing. , 2020, , . | | 3 |
| 134 | Non-Invasive Behavioral Reference Group Categorization Considering Temporal Granularity and Aggregation Level of Energy Use Data. Energies, 2020, 13, 3678. | 3.1 | 3 |
| 135 | Training a Visual Scene Understanding Model Only with Synthetic Construction Images. , 2022, , . | | 3 |
| 136 | Modeling and representation of non-value adding activities due to errors and changes in design and construction projects. , 2007, , . | | 2 |
| 137 | Development of model of workers' mental processes related to absence norm as behavior rule in agent-based simulation. , 2011, , . | | 2 |
| 138 | Exploring Absenteeism Control Policies with Awareness of the Effect of Group Norms on Absence Behavior, Using Agent-Based Modeling. , 2012, , . | | 2 |
| 139 | Integrated evaluation of cost, schedule and emission performance on rock-filled concrete dam construction operation using discrete event simulation. , 2013, , . | | 2 |
| 140 | Fast Dataset Collection Approach for Articulated Equipment Pose Estimation. , 2019, , . | | 2 |
| 141 | Agent-embedded system dynamics (aeSD) modeling approach for analyzing worker policies: a research case on construction worker absenteeism. Construction Innovation, 2021, 21, 379-397. | 2.7 | 2 |
| 142 | Enhancing the Credibility of Agent-Based Model for the Study of Workers' Group Behavior by Comparing Simulation Data with Survey Data. , 2014, , . | | 2 |
| 143 | Evaluation of Construction Workersâ€™ Emotional States during Virtual Reality-Based Safety Training. , 2022, , . | | 2 |
| 144 | Meaningful Level of Change in hybrid simulation for construction analysis. , 2009, , . | | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Exploring the Effects of Context Level Factors on the Structural Steel Fabrication Shop Operation. , 2010, , . | | 1 |
| 146 | Understanding Withdrawal Behavior in the Construction Industry. , 2010, , . | | 1 |
| 147 | Integrated Simulation-Based Look-Ahead Scheduling for Steel Fabrication Projects. , 2010, , . | | 1 |
| 148 | Social Learning's Effect on Absenteeism: The Effect of Project Turnover. , 2014, , . | | 1 |
| 149 | Longitudinal Analysis of Normative Energy Use Feedback on Dormitory Occupants. SSRN Electronic Journal, 2015, , . | 0.4 | 1 |
| 150 | Understanding the Role of Dynamic Risk Perception during Fire Evacuations Using Agent-Based Modeling. , 2016, , . | | 1 |
| 151 | Synthetic Training Image Dataset for Vision-Based 3D Pose Estimation of Construction Workers. , 2022, , . | | 1 |
| 152 | Assessing Exposure to Slip, Trip, and Fall Hazards by Measuring Construction Worker Loss of Balance. , 2022, , . | | 1 |
| 153 | System Dynamics Approach for Error and Change Management in Concurrent Design and Construction. , 0, , . | | 0 |
| 154 | Carbon Emissions Quantification and Verification Strategies for Large-Scale Construction Projects. , 2012, , . | | 0 |
| 155 | Exploration of the effect of workers' influence network on their absence behavior using agent-based modeling and simulation. , 2013, , . | | 0 |
| 156 | Special Issue on the 2013 International Workshop on Computing in Civil Engineering. Journal of Computing in Civil Engineering, 2015, 29, . | 4.7 | 0 |
| 157 | 3D Excavator Pose Estimation: Direct Optimization from 2D Pose Using Kinematic Constraints. , 2022, , . | | 0 |
| 158 | Impact of the Dynamicity of Workgroup Changes on Social Influence of Construction Workersâ€™ Safety Behaviors. , 2022, , . | | 0 |
| 159 | Toward Empathetic Construction Robotics. , 2022, 1, 16-21. | | 0 |