

Brenda Y Mccabe

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5498665/brenda-y-mccabe-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,136
citations

19
h-index

33
g-index

41
ext. papers

1,479
ext. citations

4.6
avg, IF

5.28
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 41 | Impact of individual resilience and safety climate on safety performance and psychological stress of construction workers: A case study of the Ontario construction industry. <i>Journal of Safety Research</i> , 2017 , 61, 167-176 | 4 | 102 |
| 40 | Part based model and spatial-temporal reasoning to recognize hydraulic excavators in construction images and videos. <i>Automation in Construction</i> , 2012 , 24, 194-202 | 9.6 | 96 |
| 39 | Automated computer vision-based detection of components of under-construction indoor partitions. <i>Automation in Construction</i> , 2017 , 74, 78-94 | 9.6 | 93 |
| 38 | Evaluating Risk in Construction Schedule Model (ERICB): Construction Schedule Risk Model. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 518-527 | 4.2 | 85 |
| 37 | Server-Customer Interaction Tracker: Computer Vision-Based System to Estimate Dirt-Loading Cycles. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 785-794 | 4.2 | 73 |
| 36 | Automated Visual Recognition of Dump Trucks in Construction Videos. <i>Journal of Computing in Civil Engineering</i> , 2012 , 26, 769-781 | 5 | 71 |
| 35 | Automated Schedule and Progress Updating of IFC-Based 4D BIMs. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017012 | 5 | 51 |
| 34 | IFC-Based Development of As-Built and As-Is BIMs Using Construction and Facility Inspection Data: Site-to-BIM Data Transfer Automation. <i>Journal of Computing in Civil Engineering</i> , 2018 , 32, 04017075 | 5 | 49 |
| 33 | Construction prequalification using data envelopment analysis. <i>Canadian Journal of Civil Engineering</i> , 2005 , 32, 183-193 | 1.3 | 48 |
| 32 | A resilience safety climate model predicting construction safety performance. <i>Safety Science</i> , 2018 , 109, 434-445 | 5.8 | 44 |
| 31 | Effects of Safety Climate and Safety Behavior on Safety Outcomes between Supervisors and Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04019092 | 4.2 | 42 |
| 30 | IFC-centric performance-based evaluation of building evacuations using fire dynamics simulation and agent-based modeling. <i>Automation in Construction</i> , 2019 , 101, 1-16 | 9.6 | 39 |
| 29 | Contractor financial evaluation model (CFEM). <i>Canadian Journal of Civil Engineering</i> , 2003 , 30, 487-499 | 1.3 | 32 |
| 28 | Impact of psychological capital on construction worker safety behavior: Communication competence as a mediator. <i>Journal of Safety Research</i> , 2019 , 71, 231-241 | 4 | 29 |
| 27 | Methodology for Bayesian Belief Network Development to Facilitate Compliance with Water Quality Regulations. <i>Journal of Infrastructure Systems</i> , 2010 , 16, 58-65 | 2.9 | 28 |
| 26 | Safety Performance in the Construction Industry: Quasi-Longitudinal Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016113 | 4.2 | 25 |
| 25 | Individual safety and health outcomes in the construction industry. <i>Canadian Journal of Civil Engineering</i> , 2008 , 35, 1455-1467 | 1.3 | 24 |

| | | | |
|----|---|-----|----|
| 24 | Relationship between Individual Resilience, Interpersonal Conflicts at Work, and Safety Outcomes of Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017042 | 4.2 | 23 |
| 23 | Utilizing BIM and Carbon Estimating Methods for Meaningful Data Representation. <i>Procedia Engineering</i> , 2016 , 145, 1242-1249 | | 23 |
| 22 | Safety-based efficiency evaluation of construction sites using data envelopment analysis (DEA). <i>Safety Science</i> , 2019 , 113, 382-388 | 5.8 | 16 |
| 21 | Risk and benefits associated with international construction consulting joint ventures in the English-speaking Caribbean. <i>Canadian Journal of Civil Engineering</i> , 2003 , 30, 1143-1152 | 1.3 | 15 |
| 20 | EvacuSafe: A real-time model for building evacuation based on Dijkstra's algorithm. <i>Journal of Building Engineering</i> , 2021 , 34, 101687 | 5.2 | 14 |
| 19 | Taxonomy of uncertainty in environmental life cycle assessment of infrastructure projects. <i>Environmental Research Letters</i> , 2020 , 15, 083003 | 6.2 | 13 |
| 18 | Framework for Managing Integration Challenges of Last Planner System in IMPs. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018022 | 4.2 | 13 |
| 17 | Coordination Challenges of Production Planning in the Construction of International Mega-Projects in The Middle East. <i>International Journal of Construction Education and Research</i> , 2018 , 14, 118-140 | 0.8 | 11 |
| 16 | Ontology-based knowledge representation for industrial megaprojects analytics using linked data and the semantic web. <i>Advanced Engineering Informatics</i> , 2020 , 46, 101164 | 7.4 | 11 |
| 15 | UAV-Enabled Site-to-BIM Automation: Aerial Robotic- and Computer Vision-Based Development of As-Built/As-Is BIMs and Quality Control 2018 , | | 9 |
| 14 | Relationship between leader-member exchange and construction worker safety behavior: the mediating role of communication competence. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021 , 27, 371-383 | 2.1 | 9 |
| 13 | Effect of leader-member exchange on construction worker safety behavior: Safety climate and psychological capital as the mediators. <i>Safety Science</i> , 2021 , 142, 105401 | 5.8 | 7 |
| 12 | Time of Sampling Strategies for Asphalt Pavement Quality Assurance. <i>Journal of Construction Engineering and Management - ASCE</i> , 2002 , 128, 85-89 | 4.2 | 6 |
| 11 | EvacuSafe: Building Evacuation Strategy Selection Using Route Risk Index. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04019051 | 5 | 6 |
| 10 | Automation of Inspection Mission Planning Using 4D BIMs and in Support of Unmanned Aerial Vehicle-Based Data Collection. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020179 | 4.2 | 6 |
| 9 | Implications of passive energy efficiency measures on life cycle greenhouse gas emissions of high-rise residential building envelopes. <i>Energy and Buildings</i> , 2021 , 249, 111202 | 7 | 6 |
| 8 | Performance measurement indices for simulated construction operations. <i>Canadian Journal of Civil Engineering</i> , 2001 , 28, 383-393 | 1.3 | 5 |
| 7 | Tag-based visual-inertial localization of unmanned aerial vehicles in indoor construction environments using an on-manifold extended Kalman filter. <i>Automation in Construction</i> , 2022 , 135, 104192 | 9.6 | 4 |

| | | | |
|---|--|-----|---|
| 6 | UAV Mission Planning Using Swarm Intelligence and 4D BIMs in Support of Vision-Based Construction Progress Monitoring and As-Built Modeling 2018 , | | 2 |
| 5 | Concrete bridge deck deterioration model using belief networks. <i>Computers and Concrete</i> , 2005 , 2, 439-454 | | 2 |
| 4 | Quantifying Remoteness for Risk and Resilience Assessment Using Nighttime Satellite Imagery. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04020026 | 5 | 2 |
| 3 | Benchmarking airport reconstruction projects. <i>Canadian Journal of Civil Engineering</i> , 2006 , 33, 1571-1584 | 1.3 | 1 |
| 2 | Psychological decision-making process of construction worker safety behavior: an agent-based simulation approach.. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021 , 1-27 | 2.1 | 1 |
| 1 | Generative design to reduce embodied GHG emissions of high-rise buildings. <i>Automation in Construction</i> , 2022 , 139, 104274 | 9.6 | 0 |