

# Brenda Y Mccabe

## 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.

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	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> , <b>2022</b> , 135, 104192	9.6	4
40	Generative design to reduce embodied GHG emissions of high-rise buildings. <i>Automation in Construction</i> , <b>2022</b> , 139, 104274	9.6	0
39	Psychological decision-making process of construction worker safety behavior: an agent-based simulation approach. <i>International Journal of Occupational Safety and Ergonomics</i> , <b>2021</b> , 1-27	2.1	1
38	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> , <b>2021</b> , 147, 04020179	4.2	6
37	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> , <b>2021</b> , 27, 371-383	2.1	9
36	EvacuSafe: A real-time model for building evacuation based on Dijkstra's algorithm. <i>Journal of Building Engineering</i> , <b>2021</b> , 34, 101687	5.2	14
35	Implications of passive energy efficiency measures on life cycle greenhouse gas emissions of high-rise residential building envelopes. <i>Energy and Buildings</i> , <b>2021</b> , 249, 111202	7	6
34	Effect of leader-member exchange on construction worker safety behavior: Safety climate and psychological capital as the mediators. <i>Safety Science</i> , <b>2021</b> , 142, 105401	5.8	7
33	Taxonomy of uncertainty in environmental life cycle assessment of infrastructure projects. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 083003	6.2	13
32	Quantifying Remoteness for Risk and Resilience Assessment Using Nighttime Satellite Imagery. <i>Journal of Computing in Civil Engineering</i> , <b>2020</b> , 34, 04020026	5	2
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> , <b>2020</b> , 146, 04019092	4.2	42
30	EvacuSafe: Building Evacuation Strategy Selection Using Route Risk Index. <i>Journal of Computing in Civil Engineering</i> , <b>2020</b> , 34, 04019051	5	6
29	Ontology-based knowledge representation for industrial megaprojects analytics using linked data and the semantic web. <i>Advanced Engineering Informatics</i> , <b>2020</b> , 46, 101164	7.4	11
28	IFC-centric performance-based evaluation of building evacuations using fire dynamics simulation and agent-based modeling. <i>Automation in Construction</i> , <b>2019</b> , 101, 1-16	9.6	39
27	Impact of psychological capital on construction worker safety behavior: Communication competence as a mediator. <i>Journal of Safety Research</i> , <b>2019</b> , 71, 231-241	4	29
26	Safety-based efficiency evaluation of construction sites using data envelopment analysis (DEA). <i>Safety Science</i> , <b>2019</b> , 113, 382-388	5.8	16
25	Framework for Managing Integration Challenges of Last Planner System in IMPs. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018022	4.2	13

24	UAV Mission Planning Using Swarm Intelligence and 4D BIMs in Support of Vision-Based Construction Progress Monitoring and As-Built Modeling <b>2018</b> ,		2
23	UAV-Enabled Site-to-BIM Automation: Aerial Robotic- and Computer Vision-Based Development of As-Built/As-Is BIMs and Quality Control <b>2018</b> ,		9
22	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> , <b>2018</b> , 14, 118-140	0.8	11
21	A resilience safety climate model predicting construction safety performance. <i>Safety Science</i> , <b>2018</b> , 109, 434-445	5.8	44
20	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> , <b>2018</b> , 32, 04017075	5	49
19	Automated Schedule and Progress Updating of IFC-Based 4D BIMs. <i>Journal of Computing in Civil Engineering</i> , <b>2017</b> , 31, 04017012	5	51
18	Relationship between Individual Resilience, Interpersonal Conflicts at Work, and Safety Outcomes of Construction Workers. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017042	4.2	23
17	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> , <b>2017</b> , 61, 167-176	4	102
16	Safety Performance in the Construction Industry: Quasi-Longitudinal Study. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04016113	4.2	25
15	Automated computer vision-based detection of components of under-construction indoor partitions. <i>Automation in Construction</i> , <b>2017</b> , 74, 78-94	9.6	93
14	Utilizing BIM and Carbon Estimating Methods for Meaningful Data Representation. <i>Procedia Engineering</i> , <b>2016</b> , 145, 1242-1249		23
13	Server-Customer Interaction Tracker: Computer VisionBased System to Estimate Dirt-Loading Cycles. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2013</b> , 139, 785-794	4.2	73
12	Part based model and spatial-temporal reasoning to recognize hydraulic excavators in construction images and videos. <i>Automation in Construction</i> , <b>2012</b> , 24, 194-202	9.6	96
11	Automated Visual Recognition of Dump Trucks in Construction Videos. <i>Journal of Computing in Civil Engineering</i> , <b>2012</b> , 26, 769-781	5	71
10	Methodology for Bayesian Belief Network Development to Facilitate Compliance with Water Quality Regulations. <i>Journal of Infrastructure Systems</i> , <b>2010</b> , 16, 58-65	2.9	28
9	Individual safety and health outcomes in the construction industry. <i>Canadian Journal of Civil Engineering</i> , <b>2008</b> , 35, 1455-1467	1.3	24
8	Benchmarking airport reconstruction projects. <i>Canadian Journal of Civil Engineering</i> , <b>2006</b> , 33, 1571-1584	1.3	1
7	Construction prequalification using data envelopment analysis. <i>Canadian Journal of Civil Engineering</i> , <b>2005</b> , 32, 183-193	1.3	48

6	Concrete bridge deck deterioration model using belief networks. <i>Computers and Concrete</i> , <b>2005</b> , 2, 439-454	2
5	Contractor financial evaluation model (CFEM). <i>Canadian Journal of Civil Engineering</i> , <b>2003</b> , 30, 487-499	1.3 32
4	Evaluating Risk in Construction Schedule Model (ERICB): Construction Schedule Risk Model. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2003</b> , 129, 518-527	4.2 85
3	Risk and benefits associated with international construction consulting joint ventures in the English-speaking Caribbean. <i>Canadian Journal of Civil Engineering</i> , <b>2003</b> , 30, 1143-1152	1.3 15
2	Time of Sampling Strategies for Asphalt Pavement Quality Assurance. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2002</b> , 128, 85-89	4.2 6
1	Performance measurement indices for simulated construction operations. <i>Canadian Journal of Civil Engineering</i> , <b>2001</b> , 28, 383-393	1.3 5