

# John A Gambatese

## List of Publications by Citations

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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.

88  
papers

2,727  
citations

25  
h-index

50  
g-index

93  
ext. papers

3,248  
ext. citations

3.2  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
88	Qualitative Research: Application of the Delphi Method to CEM Research. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 99-107	4.2	370
87	Energy Consumption of Asphalt and Reinforced Concrete Pavement Materials and Construction. <i>Journal of Infrastructure Systems</i> , <b>2005</b> , 11, 9-20	2.9	169
86	Design role in construction accident causality and prevention: Perspectives from an expert panel. <i>Safety Science</i> , <b>2008</b> , 46, 675-691	5.8	161
85	Construction Safety Risk Mitigation. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2009</b> , 135, 1316-1323	4.2	146
84	Viability of Designing for Construction Worker Safety. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2005</b> , 131, 1029-1036	4.2	138
83	Factors That Influence Safety Performance of Specialty Contractors. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2003</b> , 129, 159-164	4.2	130
82	Tool to Design for Construction Worker Safety. <i>Journal of Architectural Engineering</i> , <b>1997</b> , 3, 32-41	1.5	108
81	Activity-Based Safety Risk Quantification for Concrete Formwork Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2009</b> , 135, 990-998	4.2	101
80	The trajectories of Prevention through Design in construction. <i>Journal of Safety Research</i> , <b>2008</b> , 39, 225-30		93
79	Enabling and measuring innovation in the construction industry. <i>Construction Management and Economics</i> , <b>2011</b> , 29, 553-567	3	90
78	Development and Initial Validation of Sustainable Construction Safety and Health Rating System. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2009</b> , 135, 1067-1075	4.2	90
77	Can Design Improve Construction Safety?: Assessing the Impact of a Collaborative Safety-in-Design Process. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2005</b> , 131, 1125-1134	4.2	78
76	Factors that influence the development and diffusion of technical innovations in the construction industry. <i>Construction Management and Economics</i> , <b>2011</b> , 29, 507-517	3	70
75	Impact of Green Building Design and Construction on Worker Safety and Health. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2009</b> , 135, 1058-1066	4.2	67
74	Why Do Construction Hazards Remain Unrecognized at the Work Interface?. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04016128	4.2	38
73	Research issues in Prevention through Design. <i>Journal of Safety Research</i> , <b>2008</b> , 39, 153-6	4	36
72	Controlled Concrete Demolition Using Expansive Cracking Agents. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2003</b> , 129, 98-104	4.2	35

71	Liability in Designing for Construction Worker Safety. <i>Journal of Architectural Engineering</i> , <b>1998</b> , 4, 107-113	33
70	Integrating Worker Health and Safety into Sustainable Design and Construction: Designer and Constructor Perspectives. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017069	31
69	Measuring and Evaluating Safety Maturity of Construction Contractors: Multicriteria Decision-Making Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018054	30
68	Population and Initial Validation of a Formal Model for Construction Safety Risk Management. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2010</b> , 136, 981-990	4.2 30
67	Using 4D BIM to assess construction risks during the design phase. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 26, 2637-2654	3.1 29
66	Constructability State of Practice Report. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2006</b> , 132, 373-383	4.2 28
65	Developing a Decision-Making Framework to Select Safety Technologies for Highway Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018016	4.2 27
64	Solid Waste Generation in Asphalt and Reinforced Concrete Roadway Life Cycles. <i>Journal of Infrastructure Systems</i> , <b>2007</b> , 13, 88-96	2.9 25
63	Identification, Quantification, and Classification of Potential Safety Risk for Sustainable Construction in the United States. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017018	4.2 24
62	Sustainable Roadway Construction: Energy Consumption and Material Waste Generation of Roadways <b>2005</b> , 1	24
61	Owners' Role in Facilitating Prevention through Design. <i>Journal of Professional Issues in Engineering Education and Practice</i> , <b>2017</b> , 143, 04016012	0.7 23
60	Quantification and Assessment of Safety Risk in the Design of Multistory Buildings. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2015</b> , 141, 04014090	4.2 23
59	Direction for Generating Interest for Design for Construction Worker Safety: A Delphi Study. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2016</b> , 142, 04016024	4.2 22
58	What Do Construction Workers Really Want? A Study about Representation, Importance, and Perception of US Construction Occupational Rewards. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2019</b> , 145, 04019040	4.2 21
57	Influential safety technology adoption predictors in construction. <i>Engineering, Construction and Architectural Management</i> , <b>2019</b> , 26, 2655-2681	3.1 21
56	Risk Perception Comparison among Construction Safety Professionals: Delphi Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2018</b> , 144, 04018107	4.2 21
55	Safety in design: a proactive approach to construction worker safety and health. <i>Journal of Occupational and Environmental Hygiene</i> , <b>2003</b> , 18, 339-42	20
54	Owner Involvement in Construction Site Safety <b>2000</b> , 661	20

53	Development and Application of Safety Technology Adoption Decision-Making Tool. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020028	4.2	19
52	Alignment between Lean Principles and Practices and Worker Safety Behavior. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04016083	4.2	19
51	Degrees of connectivity: Systems model for upstream risk assessment and mitigation. <i>Accident Analysis and Prevention</i> , <b>2016</b> , 93, 251-259	6.1	17
50	Owner Perceptions of Barriers to Prevention through Design Diffusion. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017016	4.2	16
49	Energy-based safety risk assessment: does magnitude and intensity of energy predict injury severity?. <i>Construction Management and Economics</i> , <b>2017</b> , 35, 64-77	3	16
48	Risk and Financial Impacts of Prevention through Design Solutions. <i>Practice Periodical on Structural Design and Construction</i> , <b>2013</b> , 18, 67-72	1.2	15
47	Dust Suppression Using Truck-Mounted Water Spray System. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2001</b> , 127, 53-59	4.2	15
46	Precursors of Construction Fatalities. II: Predictive Modeling and Empirical Validation. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017024	4.2	14
45	Motivation for Prevention through Design: Experiential Perspectives and Practice. <i>Practice Periodical on Structural Design and Construction</i> , <b>2017</b> , 22, 04017017	1.2	14
44	Contractual Guidelines for Construction SafetyRelated Issues under DesignBuild Standard Forms of Contract. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020074	4.2	12
43	Opportunities for Using Building Information Modeling to Improve Worker Safety Performance. <i>Safety</i> , <b>2017</b> , 3, 7	1.7	12
42	Primer on Federal Occupational Safety and Health Administration Standards. <i>Practice Periodical on Structural Design and Construction</i> , <b>2002</b> , 7, 56-60	1.2	12
41	Precursors of Construction Fatalities. I: Iterative Experiment to Test the Predictive Validity of Human Judgment. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2017</b> , 143, 04017023	4.2	11
40	Hazards and Risk in Construction and the Impact of Incentives and Rewards on Safety Outcomes. <i>Practice Periodical on Structural Design and Construction</i> , <b>2018</b> , 23, 04018005	1.2	11
39	Improving construction work zone safety using technology: A systematic review of applicable technologies. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2020</b> , 7, 61-75	3.9	11
38	Safety risk assessment for vertical concrete formwork activities in civil engineering construction. <i>Work</i> , <b>2014</b> , 49, 183-92	1.6	10
37	Application of Prevention through Design (PtD) to improve the safety of solar installations on small buildings. <i>Safety Science</i> , <b>2020</b> , 125, 104633	5.8	9
36	Development of Assessment Tool for Workforce Sustainability. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020017	4.2	9

35	Identifying Pertinent Indicators for Assessing and Fostering Diversity, Equity, and Inclusion of the Construction Workforce. <i>Journal of Management in Engineering - ASCE</i> , <b>2021</b> , 37, 04020114	5.3	9
34	Influence of Truck-Mounted Radar Speed Signs in Controlling Vehicle Speed for Mobile Maintenance Operations: Oregon Case Study. <i>Transportation Research Record</i> , <b>2017</b> , 2617, 19-26	1.7	7
33	Constructability: A Quality Improvement Approach to Transportation Projects. <i>Transportation Research Record</i> , <b>1997</b> , 1575, 116-120	1.7	7
32	Assessing State Transportation Agency Constructability Implementation. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2005</b> , 131, 569-578	4.2	7
31	Impact of Risk Factors on Construction Worker Safety: A Delphi Rating Study Based on Field Worker Perspective. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 8041-8051	2.5	6
30	Exploring the Potential of Technological Innovations for Temporary Structures: A Survey Study. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2020</b> , 146, 04020049	4.2	6
29	The Constructibility Review Process: A Constructor's Perspective. <i>Journal of Management in Engineering - ASCE</i> , <b>1999</b> , 15, 93-94	5.3	6
28	Safety Innovation and Integration in High-Performance Designs: Benefits, Motivations, and Obstacles. <i>Practice Periodical on Structural Design and Construction</i> , <b>2017</b> , 22, 04017018	1.2	5
27	Rebuilding the World Trade Center. <i>Practice Periodical on Structural Design and Construction</i> , <b>2003</b> , 8, 137-145	1.2	5
26	Effects of Wearable Light Systems on Safety of Highway Construction Workers. <i>Practice Periodical on Structural Design and Construction</i> , <b>2020</b> , 25, 04020003	1.2	4
25	Role of BIM and 3D Laser Scanning on Job sites from the Perspective of Construction Project Management Personnel <b>2016</b> ,		4
24	Highway Construction Work-Zone Safety: Effectiveness of Traffic-Control Devices. <i>Practice Periodical on Structural Design and Construction</i> , <b>2017</b> , 22, 04017010	1.2	4
23	Mapped Workflow for Safety and Reliability Assessments of Use and Reuse of Formwork <b>2014</b> ,		4
22	Engineering Mandates Stipulated in OSHA Regulations <b>2003</b> , 1		4
21	Scenarios for Integrating IPSPMU System with BIM Technology in Construction Safety Control. <i>Practice Periodical on Structural Design and Construction</i> , <b>2020</b> , 25, 05019007	1.2	4
20	Revisiting Lorent and Szymberski: Evaluating how research in prevention through design is interpreted and cited. <i>Safety Science</i> , <b>2020</b> , 131, 104927	5.8	4
19	Evaluation of a Mobile Work Zone Barrier System <b>2014</b> ,		3
18	Impact of Advisory Signs on Vehicle Speeds in Highway Nighttime Paving Project Work Zones. <i>Transportation Research Record</i> , <b>2016</b> , 2555, 65-71	1.7	3

17	Case Study to Evaluate Work-Zone Safety Technologies in Highway Construction. <i>Practice Periodical on Structural Design and Construction</i> , <b>2020</b> , 25, 05020004	1.2	2
16	Perceptions of the Influence of Personal Demographic Factors on the Safety Performance of Field Employees <b>2016</b> ,		2
15	Holistic Approach to Resilience of Steel-Frame Construction in Fire. <i>Practice Periodical on Structural Design and Construction</i> , <b>2019</b> , 24, 04019020	1.2	2
14	Impact of Design and Construction on Quality, Consistency, and Safety of Traffic Control Plans. <i>Transportation Research Record</i> , <b>2014</b> , 2458, 47-55	1.7	2
13	Flagger Illumination during Nighttime Construction and Maintenance Operations. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2012</b> , 138, 250-257	4.2	2
12	Designer Consideration of Project Lifecycle Performance <b>2003</b> ,		2
11	Lean Practices and Safety Performance <b>2016</b> ,		2
10	Using the Risk Target Concept to Investigate Construction Workers' Potential Biases in Assigning/Assuming Safety Risk <b>2018</b> ,		1
9	Improving Safety in Solar Installations through Prevention through Design <b>2018</b> ,		1
8	Impacts of Construction Work Zone Equipment and Operations on Vehicle Speeds <b>2016</b> ,		1
7	Assessment of Nighttime Flagger-Illumination Practices. <i>Practice Periodical on Structural Design and Construction</i> , <b>2011</b> , 16, 95-105	1.2	1
6	Illumination and Visibility of Workers in Nighttime Highway Work Zones <b>2018</b> ,		1
5	Energy Consumption by Construction Workers for On-Site Activities <b>2018</b> ,		1
4	Effects of Flashing Blue Lights Mounted on Paving Equipment on Vehicle Speed Behavior in Work Zones. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2021</b> , 147, 04021101	4.2	1
3	Feasibility of using QR Codes in Highway Construction Document Management. <i>Transportation Research Record</i> , <b>2018</b> , 2672, 114-123	1.7	0
2	Constructability as a Project Lifecycle Property <b>2007</b> , 26-37		
1	Construction Worker and Equipment Energy Consumption for Offsite Precast Concrete. <i>Practice Periodical on Structural Design and Construction</i> , <b>2020</b> , 25, 04020007	1.2	