

John A Gambatese

List of Publications by Year in descending order

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93
papers

3,831
citations

147566

31
h-index

128067

60
g-index

93
all docs

93
docs citations

93
times ranked

2045
citing authors

#	ARTICLE	IF	CITATIONS
1	Qualitative Research: Application of the Delphi Method to CEM Research. Journal of Construction Engineering and Management - ASCE, 2010, 136, 99-107.	2.0	553
2	Energy Consumption of Asphalt and Reinforced Concrete Pavement Materials and Construction. Journal of Infrastructure Systems, 2005, 11, 9-20.	1.0	205
3	Design's role in construction accident causality and prevention: Perspectives from an expert panel. Safety Science, 2008, 46, 675-691.	2.6	203
4	Construction Safety Risk Mitigation. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1316-1323.	2.0	192
5	Viability of Designing for Construction Worker Safety. Journal of Construction Engineering and Management - ASCE, 2005, 131, 1029-1036.	2.0	179
6	Factors That Influence Safety Performance of Specialty Contractors. Journal of Construction Engineering and Management - ASCE, 2003, 129, 159-164.	2.0	160
7	Activity-Based Safety Risk Quantification for Concrete Formwork Construction. Journal of Construction Engineering and Management - ASCE, 2009, 135, 990-998.	2.0	132
8	Tool to Design for Construction Worker Safety. Journal of Architectural Engineering, 1997, 3, 32-41.	0.8	127
9	Enabling and measuring innovation in the construction industry. Construction Management and Economics, 2011, 29, 553-567.	1.8	120
10	The Trajectories of Prevention through Design in Construction. Journal of Safety Research, 2008, 39, 225-230.	1.7	119
11	Development and Initial Validation of Sustainable Construction Safety and Health Rating System. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1067-1075.	2.0	109
12	Factors that influence the development and diffusion of technical innovations in the construction industry. Construction Management and Economics, 2011, 29, 507-517.	1.8	94
13	Can Design Improve Construction Safety?: Assessing the Impact of a Collaborative Safety-in-Design Process. Journal of Construction Engineering and Management - ASCE, 2005, 131, 1125-1134.	2.0	90
14	Impact of Green Building Design and Construction on Worker Safety and Health. Journal of Construction Engineering and Management - ASCE, 2009, 135, 1058-1066.	2.0	86
15	Why Do Construction Hazards Remain Unrecognized at the Work Interface?. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	69
16	Using 4D BIM to assess construction risks during the design phase. Engineering, Construction and Architectural Management, 2019, 26, 2637-2654.	1.8	57
17	Controlled Concrete Demolition Using Expansive Cracking Agents. Journal of Construction Engineering and Management - ASCE, 2003, 129, 98-104.	2.0	53
18	Measuring and Evaluating Safety Maturity of Construction Contractors: Multicriteria Decision-Making Approach. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	48

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19	Research Issues in Prevention through Design. Journal of Safety Research, 2008, 39, 153-156.	1.7	46
20	Developing a Decision-Making Framework to Select Safety Technologies for Highway Construction. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	43
21	Population and Initial Validation of a Formal Model for Construction Safety Risk Management. Journal of Construction Engineering and Management - ASCE, 2010, 136, 981-990.	2.0	42
22	Integrating Worker Health and Safety into Sustainable Design and Construction: Designer and Constructor Perspectives. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	42
23	Influential safety technology adoption predictors in construction. Engineering, Construction and Architectural Management, 2019, 26, 2655-2681.	1.8	42
24	Risk Perception Comparison among Construction Safety Professionals: Delphi Perspective. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	40
25	Constructability State of Practice Report. Journal of Construction Engineering and Management - ASCE, 2006, 132, 373-383.	2.0	38
26	Identifying Pertinent Indicators for Assessing and Fostering Diversity, Equity, and Inclusion of the Construction Workforce. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	38
27	Liability in Designing for Construction Worker Safety. Journal of Architectural Engineering, 1998, 4, 107-112.	0.8	37
28	Sustainable Roadway Construction: Energy Consumption and Material Waste Generation of Roadways. , 2005, , 1.		36
29	Identification, Quantification, and Classification of Potential Safety Risk for Sustainable Construction in the United States. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	36
30	Solid Waste Generation in Asphalt and Reinforced Concrete Roadway Life Cycles. Journal of Infrastructure Systems, 2007, 13, 88-96.	1.0	35
31	Ownersâ€™ Role in Facilitating Prevention through Design. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	35
32	What Do Construction Workers Really Want? A Study about Representation, Importance, and Perception of US Construction Occupational Rewards. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	35
33	Direction for Generating Interest for Design for Construction Worker Safetyâ€™A Delphi Study. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	34
34	Alignment between Lean Principles and Practices and Worker Safety Behavior. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	33
35	Quantification and Assessment of Safety Risk in the Design of Multistory Buildings. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	32
36	Energy-based safety risk assessment: does magnitude and intensity of energy predict injury severity?. Construction Management and Economics, 2017, 35, 64-77.	1.8	31

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37	Development and Application of Safety Technology Adoption Decision-Making Tool. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	31
38	Safety in Design: A Proactive Approach to Construction Worker Safety and Health. Journal of Occupational and Environmental Hygiene, 2003, 18, 339-342.	0.5	29
39	Development of Assessment Tool for Workforce Sustainability. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	27
40	Improving construction work zone safety using technology: A systematic review of applicable technologies. Journal of Traffic and Transportation Engineering (English Edition), 2020, 7, 61-75.	2.0	25
41	Owner Involvement in Construction Site Safety. , 2000, , 661.		24
42	Dust Suppression Using Truck-Mounted Water Spray System. Journal of Construction Engineering and Management - ASCE, 2001, 127, 53-59.	2.0	24
43	Owner Perceptions of Barriers to Prevention through Design Diffusion. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	23
44	Precursors of Construction Fatalities. II: Predictive Modeling and Empirical Validation. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	22
45	Risk and Financial Impacts of Prevention through Design Solutions. Practice Periodical on Structural Design and Construction, 2013, 18, 67-72.	0.7	21
46	Motivation for Prevention through Design: Experiential Perspectives and Practice. Practice Periodical on Structural Design and Construction, 2017, 22, .	0.7	20
47	Opportunities for Using Building Information Modeling to Improve Worker Safety Performance. Safety, 2017, 3, 7.	0.9	20
48	Degrees of connectivity: Systems model for upstream risk assessment and mitigation. Accident Analysis and Prevention, 2016, 93, 251-259.	3.0	19
49	Scenarios for Integrating IPSâ€™IMU System with BIM Technology in Construction Safety Control. Practice Periodical on Structural Design and Construction, 2020, 25, .	0.7	19
50	Application of Prevention through Design (PtD) to improve the safety of solar installations on small buildings. Safety Science, 2020, 125, 104633.	2.6	18
51	Precursors of Construction Fatalities. I: Iterative Experiment to Test the Predictive Validity of Human Judgment. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	17
52	Safety risk assessment for vertical concrete formwork activities in civil engineering construction. Work, 2014, 49, 183-192.	0.6	16
53	Hazards and Risk in Construction and the Impact of Incentives and Rewards on Safety Outcomes. Practice Periodical on Structural Design and Construction, 2018, 23, .	0.7	16
54	Contractual Guidelines for Construction Safetyâ€™Related Issues under Designâ€™Build Standard Forms of Contract. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020074.	2.0	15

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55	Primer on Federal Occupational Safety and Health Administration Standards. Practice Periodical on Structural Design and Construction, 2002, 7, 56-60.	0.7	12
56	Effects of Wearable Light Systems on Safety of Highway Construction Workers. Practice Periodical on Structural Design and Construction, 2020, 25, .	0.7	12
57	Assessing State Transportation Agency Constructability Implementation. Journal of Construction Engineering and Management - ASCE, 2005, 131, 569-578.	2.0	10
58	Influence of Truck-Mounted Radar Speed Signs in Controlling Vehicle Speed for Mobile Maintenance Operations: Oregon Case Study. Transportation Research Record, 2017, 2617, 19-26.	1.0	10
59	Impact of Risk Factors on Construction Worker Safety: A Delphi Rating Study Based on Field Worker Perspective. Arabian Journal for Science and Engineering, 2020, 45, 8041-8051.	1.7	10
60	Exploring the Potential of Technological Innovations for Temporary Structures: A Survey Study. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	10
61	Constructability: A Quality Improvement Approach to Transportation Projects. Transportation Research Record, 1997, 1575, 116-120.	1.0	8
62	Safety Innovation and Integration in High-Performance Designs: Benefits, Motivations, and Obstacles. Practice Periodical on Structural Design and Construction, 2017, 22, .	0.7	8
63	Revisiting Lorent and Szymberski: Evaluating how research in prevention through design is interpreted and cited. Safety Science, 2020, 131, 104927.	2.6	8
64	The Constructibility Review Process: A Constructor's Perspective. Journal of Management in Engineering - ASCE, 1999, 15, 93-94.	2.6	7
65	Case Study to Evaluate Work-Zone Safety Technologies in Highway Construction. Practice Periodical on Structural Design and Construction, 2020, 25, 05020004.	0.7	7
66	Rebuilding the World Trade Center. Practice Periodical on Structural Design and Construction, 2003, 8, 137-145.	0.7	6
67	Engineering Mandates Stipulated in OSHA Regulations. , 2003, , 1.		6
68	Mapped Workflow for Safety and Reliability Assessments of Use and Reuse of Formwork. , 2014, , .		6
69	Role of BIM and 3D Laser Scanning on Job sites from the Perspective of Construction Project Management Personnel. , 2016, , .		6
70	Highway Construction Work-Zone Safety: Effectiveness of Traffic-Control Devices. Practice Periodical on Structural Design and Construction, 2017, 22, .	0.7	6
71	Construction Worker and Equipment Energy Consumption for Offsite Precast Concrete. Practice Periodical on Structural Design and Construction, 2020, 25, .	0.7	4
72	Flagger Illumination during Nighttime Construction and Maintenance Operations. Journal of Construction Engineering and Management - ASCE, 2012, 138, 250-257.	2.0	3

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73	Evaluation of a Mobile Work Zone Barrier System. , 2014, , .		3
74	Impact of Advisory Signs on Vehicle Speeds in Highway Nighttime Paving Project Work Zones. Transportation Research Record, 2016, 2555, 65-71.	1.0	3
75	Feasibility of using QR Codes in Highway Construction Document Management. Transportation Research Record, 2018, 2672, 114-123.	1.0	3
76	Formal Prevention through Design Process and Implementation for Mechanical, Electrical, and Plumbing Worker Safety. Journal of Management in Engineering - ASCE, 2022, 38, .	2.6	3
77	Designer Consideration of Project Lifecycle Performance. , 2003, , .		2
78	Impact of Design and Construction on Quality, Consistency, and Safety of Traffic Control Plans. Transportation Research Record, 2014, 2458, 47-55.	1.0	2
79	Lean Practices and Safety Performance. , 2016, , .		2
80	Perceptions of the Influence of Personal Demographic Factors on the Safety Performance of Field Employees. , 2016, , .		2
81	Using the Risk Target Concept to Investigate Construction Workersâ€™ Potential Biases in Assigning/Assuming Safety Risk. , 2018, , .		2
82	Improving Safety in Solar Installations through Prevention through Design. , 2018, , .		2
83	Energy Consumption by Construction Workers for On-Site Activities. , 2018, , .		2
84	Holistic Approach to Resilience of Steel-Frame Construction in Fire. Practice Periodical on Structural Design and Construction, 2019, 24, 04019020.	0.7	2
85	Effects of Flashing Blue Lights Mounted on Paving Equipment on Vehicle Speed Behavior in Work Zones. Journal of Construction Engineering and Management - ASCE, 2021, 147, 04021101.	2.0	2
86	Assessment of Nighttime Flagger-Illumination Practices. Practice Periodical on Structural Design and Construction, 2011, 16, 95-105.	0.7	1
87	Impacts of Construction Work Zone Equipment and Operations on Vehicle Speeds. , 2016, , .		1
88	Theoretical Framework for Improving the Adoption of Safety Technology in the Construction Industry. , 2018, , .		1
89	Illumination and Visibility of Workers in Nighttime Highway Work Zones. , 2018, , .		1
90	Investigating Hazards and Safety Risks Inherent in Human-Robot Interactions. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
91	Constructability as a Project Lifecycle Property. , 2007, , 26-37.		0
92	Applications of Resilience Systems in Construction Safety. , 2018, , .		0
93	Musculoskeletal Disorders in Concrete Formwork Construction. , 2022, , .		0