

John A Gambatese

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.

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	Identifying Pertinent Indicators for Assessing and Fostering Diversity, Equity, and Inclusion of the Construction Workforce. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04020114	5.3	9
87	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> , 2021 , 147, 04021101	4.2	1
86	Contractual Guidelines for Construction Safety-Related Issues under Design-Build Standard Forms of Contract. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020074	4.2	12
85	Case Study to Evaluate Work-Zone Safety Technologies in Highway Construction. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 05020004	1.2	2
84	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> , 2020 , 45, 8041-8051	2.5	6
83	Effects of Wearable Light Systems on Safety of Highway Construction Workers. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 04020003	1.2	4
82	Exploring the Potential of Technological Innovations for Temporary Structures: A Survey Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020049	4.2	6
81	Application of Prevention through Design (PtD) to improve the safety of solar installations on small buildings. <i>Safety Science</i> , 2020 , 125, 104633	5.8	9
80	Development and Application of Safety Technology Adoption Decision-Making Tool. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020028	4.2	19
79	Development of Assessment Tool for Workforce Sustainability. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020017	4.2	9
78	Scenarios for Integrating IPSPMU System with BIM Technology in Construction Safety Control. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 05019007	1.2	4
77	Improving construction work zone safety using technology: A systematic review of applicable technologies. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020 , 7, 61-75	3.9	11
76	Revisiting Lorent and Szymberski: Evaluating how research in prevention through design is interpreted and cited. <i>Safety Science</i> , 2020 , 131, 104927	5.8	4
75	Construction Worker and Equipment Energy Consumption for Offsite Precast Concrete. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 04020007	1.2	
74	Using 4D BIM to assess construction risks during the design phase. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 2637-2654	3.1	29
73	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> , 2019 , 145, 04019040	4.2	21
72	Holistic Approach to Resilience of Steel-Frame Construction in Fire. <i>Practice Periodical on Structural Design and Construction</i> , 2019 , 24, 04019020	1.2	2

71	Influential safety technology adoption predictors in construction. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 2655-2681	3.1	21
70	Using the Risk Target Concept to Investigate Construction Workers' Potential Biases in Assigning/Assuming Safety Risk 2018 ,		1
69	Improving Safety in Solar Installations through Prevention through Design 2018 ,		1
68	Hazards and Risk in Construction and the Impact of Incentives and Rewards on Safety Outcomes. <i>Practice Periodical on Structural Design and Construction</i> , 2018 , 23, 04018005	1.2	11
67	Developing a Decision-Making Framework to Select Safety Technologies for Highway Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018016	4.2	27
66	Measuring and Evaluating Safety Maturity of Construction Contractors: Multicriteria Decision-Making Approach. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018054	4.2	30
65	Feasibility of using QR Codes in Highway Construction Document Management. <i>Transportation Research Record</i> , 2018 , 2672, 114-123	1.7	0
64	Illumination and Visibility of Workers in Nighttime Highway Work Zones 2018 ,		1
63	Risk Perception Comparison among Construction Safety Professionals: Delphi Perspective. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04018107	4.2	21
62	Energy Consumption by Construction Workers for On-Site Activities 2018 ,		1
61	Owners' Role in Facilitating Prevention through Design. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2017 , 143, 04016012	0.7	23
60	Identification, Quantification, and Classification of Potential Safety Risk for Sustainable Construction in the United States. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017018	4.2	24
59	Owner Perceptions of Barriers to Prevention through Design Diffusion. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017016	4.2	16
58	Precursors of Construction Fatalities. I: Iterative Experiment to Test the Predictive Validity of Human Judgment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017023	4.2	11
57	Precursors of Construction Fatalities. II: Predictive Modeling and Empirical Validation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017024	4.2	14
56	Influence of Truck-Mounted Radar Speed Signs in Controlling Vehicle Speed for Mobile Maintenance Operations: Oregon Case Study. <i>Transportation Research Record</i> , 2017 , 2617, 19-26	1.7	7
55	Energy-based safety risk assessment: does magnitude and intensity of energy predict injury severity?. <i>Construction Management and Economics</i> , 2017 , 35, 64-77	3	16
54	Integrating Worker Health and Safety into Sustainable Design and Construction: Designer and Constructor Perspectives. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04017069	4.2	31

53	Highway Construction Work-Zone Safety: Effectiveness of Traffic-Control Devices. <i>Practice Periodical on Structural Design and Construction</i> , 2017 , 22, 04017010	1.2	4
52	Motivation for Prevention through Design: Experiential Perspectives and Practice. <i>Practice Periodical on Structural Design and Construction</i> , 2017 , 22, 04017017	1.2	14
51	Safety Innovation and Integration in High-Performance Designs: Benefits, Motivations, and Obstacles. <i>Practice Periodical on Structural Design and Construction</i> , 2017 , 22, 04017018	1.2	5
50	Alignment between Lean Principles and Practices and Worker Safety Behavior. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016083	4.2	19
49	Why Do Construction Hazards Remain Unrecognized at the Work Interface?. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016128	4.2	38
48	Opportunities for Using Building Information Modeling to Improve Worker Safety Performance. <i>Safety</i> , 2017 , 3, 7	1.7	12
47	Role of BIM and 3D Laser Scanning on Job sites from the Perspective of Construction Project Management Personnel 2016 ,		4
46	Perceptions of the Influence of Personal Demographic Factors on the Safety Performance of Field Employees 2016 ,		2
45	Degrees of connectivity: Systems model for upstream risk assessment and mitigation. <i>Accident Analysis and Prevention</i> , 2016 , 93, 251-259	6.1	17
44	Impacts of Construction Work Zone Equipment and Operations on Vehicle Speeds 2016 ,		1
43	Direction for Generating Interest for Design for Construction Worker Safety—Delphi Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2016 , 142, 04016024	4.2	22
42	Impact of Advisory Signs on Vehicle Speeds in Highway Nighttime Paving Project Work Zones. <i>Transportation Research Record</i> , 2016 , 2555, 65-71	1.7	3
41	Lean Practices and Safety Performance 2016 ,		2
40	Quantification and Assessment of Safety Risk in the Design of Multistory Buildings. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04014090	4.2	23
39	Safety risk assessment for vertical concrete formwork activities in civil engineering construction. <i>Work</i> , 2014 , 49, 183-92	1.6	10
38	Impact of Design and Construction on Quality, Consistency, and Safety of Traffic Control Plans. <i>Transportation Research Record</i> , 2014 , 2458, 47-55	1.7	2
37	Evaluation of a Mobile Work Zone Barrier System 2014 ,		3
36	Mapped Workflow for Safety and Reliability Assessments of Use and Reuse of Formwork 2014 ,		4

35	Risk and Financial Impacts of Prevention through Design Solutions. <i>Practice Periodical on Structural Design and Construction</i> , 2013 , 18, 67-72	1.2	15
34	Flagger Illumination during Nighttime Construction and Maintenance Operations. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 250-257	4.2	2
33	Factors that influence the development and diffusion of technical innovations in the construction industry. <i>Construction Management and Economics</i> , 2011 , 29, 507-517	3	70
32	Enabling and measuring innovation in the construction industry. <i>Construction Management and Economics</i> , 2011 , 29, 553-567	3	90
31	Assessment of Nighttime Flagger-Illumination Practices. <i>Practice Periodical on Structural Design and Construction</i> , 2011 , 16, 95-105	1.2	1
30	Population and Initial Validation of a Formal Model for Construction Safety Risk Management. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 981-990	4.2	30
29	Qualitative Research: Application of the Delphi Method to CEM Research. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 99-107	4.2	370
28	Development and Initial Validation of Sustainable Construction Safety and Health Rating System. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1067-1075	4.2	90
27	Activity-Based Safety Risk Quantification for Concrete Formwork Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 990-998	4.2	101
26	Impact of Green Building Design and Construction on Worker Safety and Health. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1058-1066	4.2	67
25	Construction Safety Risk Mitigation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2009 , 135, 1316-1323	4.2	146
24	Research issues in Prevention through Design. <i>Journal of Safety Research</i> , 2008 , 39, 153-6	4	36
23	The trajectories of Prevention through Design in construction. <i>Journal of Safety Research</i> , 2008 , 39, 225-240	4	93
22	Design's role in construction accident causality and prevention: Perspectives from an expert panel. <i>Safety Science</i> , 2008 , 46, 675-691	5.8	161
21	Constructability as a Project Lifecycle Property 2007 , 26-37		
20	Solid Waste Generation in Asphalt and Reinforced Concrete Roadway Life Cycles. <i>Journal of Infrastructure Systems</i> , 2007 , 13, 88-96	2.9	25
19	Constructability State of Practice Report. <i>Journal of Construction Engineering and Management - ASCE</i> , 2006 , 132, 373-383	4.2	28
18	Sustainable Roadway Construction: Energy Consumption and Material Waste Generation of Roadways 2005 , 1		24

17	Viability of Designing for Construction Worker Safety. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 1029-1036	4.2	138
16	Can Design Improve Construction Safety?: Assessing the Impact of a Collaborative Safety-in-Design Process. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 1125-1134	4.2	78
15	Assessing State Transportation Agency Constructability Implementation. <i>Journal of Construction Engineering and Management - ASCE</i> , 2005 , 131, 569-578	4.2	7
14	Energy Consumption of Asphalt and Reinforced Concrete Pavement Materials and Construction. <i>Journal of Infrastructure Systems</i> , 2005 , 11, 9-20	2.9	169
13	Designer Consideration of Project Lifecycle Performance 2003 ,		2
12	Engineering Mandates Stipulated in OSHA Regulations 2003 , 1		4
11	Safety in design: a proactive approach to construction worker safety and health. <i>Journal of Occupational and Environmental Hygiene</i> , 2003 , 18, 339-42		20
10	Controlled Concrete Demolition Using Expansive Cracking Agents. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 98-104	4.2	35
9	Factors That Influence Safety Performance of Specialty Contractors. <i>Journal of Construction Engineering and Management - ASCE</i> , 2003 , 129, 159-164	4.2	130
8	Rebuilding the World Trade Center. <i>Practice Periodical on Structural Design and Construction</i> , 2003 , 8, 137-145	1.2	5
7	Primer on Federal Occupational Safety and Health Administration Standards. <i>Practice Periodical on Structural Design and Construction</i> , 2002 , 7, 56-60	1.2	12
6	Dust Suppression Using Truck-Mounted Water Spray System. <i>Journal of Construction Engineering and Management - ASCE</i> , 2001 , 127, 53-59	4.2	15
5	Owner Involvement in Construction Site Safety 2000 , 661		20
4	The Constructability Review Process: A Constructor's Perspective. <i>Journal of Management in Engineering - ASCE</i> , 1999 , 15, 93-94	5.3	6
3	Liability in Designing for Construction Worker Safety. <i>Journal of Architectural Engineering</i> , 1998 , 4, 107-113		33
2	Tool to Design for Construction Worker Safety. <i>Journal of Architectural Engineering</i> , 1997 , 3, 32-41	1.5	108
1	Constructability: A Quality Improvement Approach to Transportation Projects. <i>Transportation Research Record</i> , 1997 , 1575, 116-120	1.7	7