

Vicente A Gonzalez

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.

55
papers

1,295
citations

19
h-index

35
g-index

57
ext. papers

1,733
ext. citations

5
avg, IF

5.26
L-index

#	Paper	IF	Citations
55	A Systematic Review on Supply Chain Management in Prefabricated House-Building Research. <i>Buildings</i> , 2022 , 12, 40	3.2	10
54	A hierarchical agent-based approach to simulate a dynamic decision-making process of evacuees using reinforcement learning. <i>Journal of Choice Modelling</i> , 2021 , 39, 100288	3.8	3
53	Performance of the supply chains for New Zealand prefabricated house-building. <i>Sustainable Cities and Society</i> , 2021 , 64, 102537	10.1	15
52	Instructional mechanisms in immersive virtual reality serious games: Earthquake emergency training for children. <i>Journal of Computer Assisted Learning</i> , 2021 , 37, 542-556	3.8	5
51	Project team resilience: The effect of group potency and interpersonal trust. <i>International Journal of Project Management</i> , 2021 , 39, 697-708	7.6	6
50	Benefits and Challenges of a Virtual Laboratory in Chemical and Biochemical Engineering: Students' Experiences in Fermentation. <i>Journal of Chemical Education</i> , 2021 , 98, 866-875	2.4	9
49	How people make decisions during earthquakes and post-earthquake evacuation: Using Verbal Protocol Analysis in Immersive Virtual Reality. <i>Safety Science</i> , 2020 , 129, 104837	5.8	23
48	Exploring the Relationship between Construction Workers' Personality Traits and Safety Behavior. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04019111	4.2	21
47	Factors Affecting Workforce Turnover in the Construction Sector: A Systematic Review. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 03119010	4.2	39
46	Towards a customizable immersive virtual reality serious game for earthquake emergency training. <i>Advanced Engineering Informatics</i> , 2020 , 46, 101134	7.4	13
45	The effectiveness of traditional tools and computer-aided technologies for health and safety training in the construction sector: A systematic review. <i>Computers and Education</i> , 2019 , 138, 101-115	9.5	56
44	Impact of Activity Sequencing on Reducing Variability. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019001	4.2	8
43	Public transport users' and policy makers' perceptions of integrated public transport systems. <i>Transport Policy</i> , 2018 , 61, 75-83	5.7	57
42	Benchmarking Project-Driven Production in Construction Using Productivity Function: Capacity and Cycle Time. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017118	4.2	1
41	Does company size matter? Validation of an integrative model of safety behavior across small and large construction companies. <i>Journal of Safety Research</i> , 2018 , 64, 73-81	4	24
40	A multi-objective probabilistic-based method to determine optimum allocation of time buffer in construction schedules. <i>Automation in Construction</i> , 2018 , 92, 46-58	9.6	8
39	Developing a generic and aggregate model of system dynamics for construction safety. <i>Civil Engineering and Environmental Systems</i> , 2018 , 35, 6-21	2.1	1

38	An Agent-Based Approach to Simulate Post-earthquake Indoor Crowd Evacuation. <i>Lecture Notes in Computer Science</i> , 2018 , 568-575	0.9	
37	Immersive virtual reality serious games for evacuation training and research: A systematic literature review. <i>Computers and Education</i> , 2018 , 127, 252-266	9.5	131
36	People Choice Modelling for Evacuation of Tall Buildings. <i>Fire Technology</i> , 2018 , 54, 1171-1193	3	11
35	A non-queue-based paradigm in Discrete-Event-Simulation modelling for construction operations. <i>Simulation Modelling Practice and Theory</i> , 2017 , 77, 49-67	3.9	8
34	Lean-based clean earthworks operation. <i>Journal of Cleaner Production</i> , 2017 , 142, 2195-2208	10.3	5
33	An input-output simulation model for assessing production and environmental waste in construction. <i>Journal of Cleaner Production</i> , 2017 , 143, 1094-1104	10.3	13
32	Dynamics of Project-Driven Production Systems in Construction: Productivity Function. <i>Journal of Computing in Civil Engineering</i> , 2017 , 31, 04017053	5	3
31	Using a Pressure-State-Practice Model to Develop Safety Leading Indicators for Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 04016092	4.2	17
30	Towards a conceptual modeling framework for construction simulation 2017 ,		3
29	A cleaner production-pollution prevention based framework for construction site induced water pollution. <i>Journal of Cleaner Production</i> , 2016 , 135, 1363-1378	10.3	27
28	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 3220-3229	6.1	17
27	The dynamics of proximal and distal factors in construction site water pollution. <i>Journal of Cleaner Production</i> , 2016 , 113, 54-65	10.3	16
26	Predicting safety behavior in the construction industry: Development and test of an integrative model. <i>Safety Science</i> , 2016 , 84, 1-11	5.8	164
25	Cleanlean administrative processes: a case study on sediment pollution during construction. <i>Journal of Cleaner Production</i> , 2016 , 126, 134-147	10.3	17
24	Identifying behaviour patterns of construction safety using system archetypes. <i>Accident Analysis and Prevention</i> , 2015 , 80, 125-41	6.1	58
23	A Production Model for Construction: A Theoretical Framework. <i>Buildings</i> , 2015 , 5, 209-228	3.2	45
22	Application of Problem-Based Learning to Teaching the Critical Path Method. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2015 , 141, 04014016	0.7	5
21	Implementing Lean Production in Copper Mining Development Projects: Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 05014013	4.2	12

20	LEBSCO: Lean-Based Simulation Game for Construction Management Classrooms. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2015 , 141, 04015002	0.7	9
19	A System Dynamics View of Safety Management in Small Construction Companies. <i>Journal of Construction Engineering and Project Management</i> , 2015 , 5, 1-6		9
18	Ant Colony Optimization Model for Tsunamis Evacuation Routes. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014 , 29, 723-737	8.4	55
17	Improving Environmental and Production Performance in Construction Projects Using Value-Stream Mapping: Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140, 04013045	4.2	29
16	Selection of Third-Party Relationships in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	14
15	Analysis of Causes of Delay and Time Performance in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140, 04013027	4.2	46
14	Integrated methodology to design and manage work-in-process buffers in repetitive building projects. <i>Journal of the Operational Research Society</i> , 2013 , 64, 1182-1193	2	14
13	Exploring the environmental modeling of road construction operations using discrete-event simulation. <i>Automation in Construction</i> , 2012 , 24, 100-110	9.6	42
12	Incorporation of Computer Simulations into Teaching Linear Scheduling Techniques. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012 , 138, 21-30	0.7	12
11	Analysis of Factors Influencing Productivity Using Craftsmen Questionnaires: Case Study in a Chilean Construction Company. <i>Journal of Construction Engineering and Management - ASCE</i> , 2011 , 137, 312-320	4.2	70
10	Site Management of Work-in-Process Buffers to Enhance Project Performance Using the Reliable Commitment Model: Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2011 , 137, 707-715	4.2	18
9	Improving Planning Reliability and Project Performance Using the Reliable Commitment Model. <i>Journal of Construction Engineering and Management - ASCE</i> , 2010 , 136, 1129-1139	4.2	31
8	Multiobjective design of Work-In-Process buffer for scheduling repetitive building projects. <i>Automation in Construction</i> , 2009 , 18, 95-108	9.6	30
7	Investigating the relationship between planning reliability and project performance. <i>Production Planning and Control</i> , 2008 , 19, 461-474	4.3	47
6	A case study on the use of a conceptual modeling framework for construction simulation. <i>Simulation</i> , 003754972110560	1.2	
5	Establishing a Link Between the Last Planner System and Simulation: A Conceptual Framework		2
4	The Need for Enhancing Earthquake Evacuee Safety by Using Virtual Reality Serious Games		14
3	Exploring the links between simulation modelling and construction production planning and control: a case study on the last planner system. <i>Production Planning and Control</i> , 1-18	4.3	1

2	Immersive virtual reality as an empirical research tool: exploring the capability of a machine learning model for predicting construction workers' safety behaviour. <i>Virtual Reality</i> ,1	6	o
1	Bridging the gap between building information modelling education and practice: a competency-based education perspective. <i>International Journal of Construction Management</i> ,1-12	1.9	o