Vicente A GonzÃ¡lez

List of Publications by Year
in descending order

56	2,183	257101	233125
papers	citations	24	45
		h-index	g-index

57	57	57	1812
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting safety behavior in the construction industry: Development and test of an integrative model. Safety Science, 2016, 84, 1-11.	2.6	255
2	Immersive virtual reality serious games for evacuation training and research: A systematic literature review. Computers and Education, 2018, 127, 252-266.	5.1	245
3	The effectiveness of traditional tools and computer-aided technologies for health and safety training in the construction sector: A systematic review. Computers and Education, 2019, 138, 101-115.	5.1	118
4	Analysis of Factors Influencing Productivity Using Craftsmen Questionnaires: Case Study in a Chilean Construction Company. Journal of Construction Engineering and Management - ASCE, 2011, 137, 312-320.	2.0	96
5	Identifying behaviour patterns of construction safety using system archetypes. Accident Analysis and Prevention, 2015, 80, 125-141.	3.0	88
6	Analysis of Causes of Delay and Time Performance in Construction Projects. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	78
7	Factors Affecting Workforce Turnover in the Construction Sector: A Systematic Review. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	78
8	Public transport users' and policy makers' perceptions of integrated public transport systems. Transport Policy, 2018, 61, 75-83.	3.4	77
9	Ant Colony Optimization Model for Tsunamis Evacuation Routes. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 723-737.	6.3	74
10	Investigating the relationship between planning reliability and project performance. Production Planning and Control, 2008, 19, 461-474.	5.8	66
11	A Production Model for Construction: A Theoretical Framework. Buildings, 2015, 5, 209-228.	1.4	66
12	Exploring the environmental modeling of road construction operations using discrete-event simulation. Automation in Construction, 2012, 24, 100-110.	4.8	53
13	Performance of the supply chains for New Zealand prefabricated house-building. Sustainable Cities and Society, 2021, 64, 102537.	5.1	49
14	Towards a customizable immersive virtual reality serious game for earthquake emergency training. Advanced Engineering Informatics, 2020, 46, 101134.	4.0	45
15	How people make decisions during earthquakes and post-earthquake evacuation: Using Verbal Protocol Analysis in Immersive Virtual Reality. Safety Science, 2020, 129, 104837.	2.6	45
16	Exploring the Relationship between Construction Workers' Personality Traits and Safety Behavior. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	2.0	44
17	Improving Environmental and Production Performance in Construction Projects Using Value-Stream Mapping: Case Study. Journal of Construction Engineering and Management - ASCE, 2014, 140, .	2.0	43
18	A cleaner production-pollution prevention based framework for construction site induced water pollution. Journal of Cleaner Production, 2016, 135, 1363-1378.	4.6	43

#	Article	IF	Citations
19	Project team resilience: The effect of group potency and interpersonal trust. International Journal of Project Management, 2021, 39, 697-708.	2.7	41
20	Improving Planning Reliability and Project Performance Using the Reliable Commitment Model. Journal of Construction Engineering and Management - ASCE, 2010, 136, 1129-1139.	2.0	40
21	Multiobjective design of Work-In-Process buffer for scheduling repetitive building projects. Automation in Construction, 2009, 18, 95-108.	4.8	39
22	Does company size matter? Validation of an integrative model of safety behavior across small and large construction companies. Journal of Safety Research, 2018, 64, 73-81.	1.7	36
23	A Systematic Review on Supply Chain Management in Prefabricated House-Building Research. Buildings, 2022, 12, 40.	1.4	29
24	Using a Pressure-State-Practice Model to Develop Safety Leading Indicators for Construction Projects. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	26
25	Instructional mechanisms in immersive virtual reality serious games: Earthquake emergency training for children. Journal of Computer Assisted Learning, 2021, 37, 542-556.	3.3	26
26	Benefits and Challenges of a Virtual Laboratory in Chemical and Biochemical Engineering: Studentsâ€™ Experiences in Fermentation. Journal of Chemical Education, 2021, 98, 866-875.	1.1	25
27	The Need for Enhancing Earthquake Evacuee Safety by Using Virtual Reality Serious Games. , 0, , .		24
28	Site Management of Work-in-Process Buffers to Enhance Project Performance Using the Reliable Commitment Model: Case Study. Journal of Construction Engineering and Management - ASCE, 2011, 137, 707-715.	2.0	22
29	Cleanâ€"lean administrative processes: a case study on sediment pollution during construction. Journal of Cleaner Production, 2016, 126, 134-147.	4.6	21
30	Real-Time Public-Transport Operational Tactics Using Synchronized Transfers to Eliminate Vehicle Bunching. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3220-3229.	4.7	21
31	The dynamics of proximal and distal factors in construction site water pollution. Journal of Cleaner Production, 2016, 113, 54-65.	4.6	21
32	An input-output simulation model for assessing production and environmental waste in construction. Journal of Cleaner Production, 2017, 143, 1094-1104.	4.6	20
33	Integrated methodology to design and manage work-in-process buffers in repetitive building projects. Journal of the Operational Research Society, 2013, 64, 1182-1193.	2.1	18
34	Application of Problem-Based Learning to Teaching the Critical Path Method. Journal of Professional Issues in Engineering Education and Practice, 2015, 141, .	0.9	16
35	Implementing Lean Production in Copper Mining Development Projects: Case Study. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	16
36	Incorporation of Computer Simulations into Teaching Linear Scheduling Techniques. Journal of Professional Issues in Engineering Education and Practice, 2012, 138, 21-30.	0.9	15

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37	LEBSCO: Lean-Based Simulation Game for Construction Management Classrooms. Journal of Professional Issues in Engineering Education and Practice, 2015, 141, 04015002.	0.9	14
38	A non-queue-based paradigm in Discrete-Event-Simulation modelling for construction operations. Simulation Modelling Practice and Theory, 2017, 77, 49-67.	2.2	14
39	People Choice Modelling for Evacuation of Tall Buildings. Fire Technology, 2018, 54, 1171-1193.	1.5	14
40	Impact of Activity Sequencing on Reducing Variability. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	14
41	Immersive virtual reality as an empirical research tool: exploring the capability of a machine learning model for predicting construction workersâ€™ safety behaviour. Virtual Reality, 2022, 26, 361-383.	4.1	14
42	A multi-objective probabilistic-based method to determine optimum allocation of time buffer in construction schedules. Automation in Construction, 2018, 92, 46-58.	4.8	13
43	A System Dynamics View of Safety Management in Small Construction Companies. Journal of Construction Engineering and Project Management, 2015, 5, 1-6.	0.6	10
44	Lean-based clean earthworks operation. Journal of Cleaner Production, 2017, 142, 2195-2208.	4.6	9
45	A hierarchical agent-based approach to simulate a dynamic decision-making process of evacuees using reinforcement learning. Journal of Choice Modelling, 2021, 39, 100288.	1.2	8
46	Exploring spiral narratives with immediate feedback in immersive virtual reality serious games for earthquake emergency training. Multimedia Tools and Applications, 2023, 82, 125-147.	2.6	8
47	Dynamics of Project-Driven Production Systems in Construction: Productivity Function. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	5
48	Benchmarking Project-Driven Production in Construction Using Productivity Function: Capacity and Cycle Time. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	4
49	Exploring the links between simulation modelling and construction production planning and control: a case study on the last planner system. Production Planning and Control, 2023, 34, 459-476.	5.8	4
50	Establishing a Link Between the Last Planner System and Simulation: A Conceptual Framework. , 0, , .		4
51	Towards a conceptual modeling framework for construction simulation. , 2017, , .		3
52	Developing a generic and aggregate model of system dynamics for construction safety. Civil Engineering and Environmental Systems, 2018, 35, 6-21.	0.4	3
53	A case study on the use of a conceptual modeling framework for construction simulation. Simulation, 2022, 98, 433-460.	1.1	3
54	An Agent-Based Approach to Simulate Post-earthquake Indoor Crowd Evacuation. Lecture Notes in Computer Science, 2018, , 568-575.	1.0	1

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55	Modeling the performance impacts caused by an earthquake to the construction industry: Case study on the 2010 Chile earthquake. Revista De La Construccion, 2017, 16, 215-228.	0.5	1
56	Bridging the gap between building information modelling education and practice: a competency-based education perspective. International Journal of Construction Management, 0, , 1-12.	2.2	1