

Luis Alarcon

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

1,898
citations

236612

25
h-index

301761

39
g-index

88
all docs

88
docs citations

88
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring performance of the integrated project delivery process on complex building projects. International Journal of Project Management, 2016, 34, 1089-1101.	2.7	118
2	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
3	Achieving Lean Design Process: Improvement Methodology. Journal of Construction Engineering and Management - ASCE, 2002, 128, 248-256.	2.0	92
4	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. Journal of Management in Engineering - ASCE, 2006, 22, 158-167.	2.6	90
5	UAV Integration in Current Construction Safety Planning and Monitoring Processes: Case Study of a High-Rise Building Construction Project in Chile. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	74
6	Investigating the relationship between planning reliability and project performance. Production Planning and Control, 2008, 19, 461-474.	5.8	66
7	Performance Modeling for Contractor Selection. Journal of Management in Engineering - ASCE, 2002, 18, 52-60.	2.6	65
8	Benchmarking System for Evaluating Management Practices in the Construction Industry. Journal of Management in Engineering - ASCE, 2004, 20, 110-117.	2.6	64
9	Comparative analysis between integrated project delivery and lean project delivery. International Journal of Project Management, 2019, 37, 395-409.	2.7	63
10	Organizational Improvement Through Standardization of the Innovation Process in Construction Firms. EMJ - Engineering Management Journal, 2012, 24, 40-53.	1.4	58
11	Modeling Project Performance for Decision Making. Journal of Construction Engineering and Management - ASCE, 1996, 122, 265-273.	2.0	55
12	Strategies for improving safety performance in construction firms. Accident Analysis and Prevention, 2016, 94, 107-118.	3.0	49
13	Construction process improvement methodology for construction projects. International Journal of Project Management, 1998, 16, 215-221.	2.7	45
14	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
15	Understanding Interactions between Design Team Members of Construction Projects Using Social Network Analysis. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020053.	2.0	40
16	Multiobjective design of Work-In-Process buffer for scheduling repetitive building projects. Automation in Construction, 2009, 18, 95-108.	4.8	39
17	Selecting Long-Term Strategies for Construction Firms. Journal of Construction Engineering and Management - ASCE, 1997, 123, 388-398.	2.0	35
18	On-Site Subcontractor Evaluation Method Based on Lean Principles and Partnering Practices. Journal of Management in Engineering - ASCE, 2007, 23, 67-74.	2.6	35

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19	Risk Planning and Management for the Panama Canal Expansion Program. Journal of Construction Engineering and Management - ASCE, 2011, 137, 762-771.	2.0	33
20	Multidisciplinary Design Optimization through process integration in the AEC industry: Strategies and challenges. Automation in Construction, 2017, 73, 102-119.	4.8	33
21	iSafeUAS: An unmanned aerial system for construction safety inspection. Automation in Construction, 2021, 125, 103595.	4.8	32
22	Assessing the impacts of implementing lean construction. Revista Ingenieria De Construccion, 2008, 23, .	0.4	32
23	Seismic Analysis Methods for Irregular Buildings. Journal of Structural Engineering, 1986, 112, 35-52.	1.7	31
24	Influence of Organizational Characteristics on Construction Project Performance Using Corporate Social Networks. Journal of Management in Engineering - ASCE, 2018, 34, .	2.6	30
25	Improving Value Generation in the Design Process of Industrial Projects Using CAVT. Journal of Management in Engineering - ASCE, 2006, 22, 52-60.	2.6	28
26	Effects of Last Planner System Practices on Social Networks and the Performance of Construction Projects. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	26
27	Project management decision making using cross-impact analysis. International Journal of Project Management, 1998, 16, 145-152.	2.7	25
28	Analyzing the Association between Lean Design Management Practices and BIM Uses in the Design of Construction Projects. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	25
29	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
30	Creative Innovation in Spanish Construction Firms. Journal of Professional Issues in Engineering Education and Practice, 2016, 142, .	0.9	20
31	A Hybrid Cross-Impact Approach to Predicting Cost Variance of Project Delivery Decisions for Highways. Journal of Infrastructure Systems, 2016, 22, .	1.0	19
32	Finding Differences among Construction Companies'™ Management Practices and Their Relation to Project Performance. Journal of Management in Engineering - ASCE, 2018, 34, .	2.6	19
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	Identifying waste in virtual design and construction practice from a Lean Thinking perspective: A meta-analysis of the literature. Revista De La Construccion, 2016, 15, 107-118.	0.5	17
35	Coordination of teams, meetings, and managerial processes in construction projects: using a lean and complex adaptive mechanism. Production Planning and Control, 2019, 30, 736-763.	5.8	17
36	Implementing Lean Production in Copper Mining Development Projects: Case Study. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	2.0	16

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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	Modeling Virtual Design and Construction Implementation Strategies Considering Lean Management Impacts. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 930-951.	6.3	14
39	Assessing the Impacts of an IT LPS Support System on Schedule Accomplishment in Construction Projects. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	14
40	Developing a benchmarking system for architecture design firms. Engineering, Construction and Architectural Management, 2019, 26, 139-152.	1.8	13
41	Variability propagation in the production planning and control mechanism of construction projects. Production Planning and Control, 2017, 28, 707-726.	5.8	12
42	BIM Use Assessment (BUA) Tool for Characterizing the Application Levels of BIM Uses for the Planning and Design of Construction Projects. Advances in Civil Engineering, 2019, 2019, 1-9.	0.4	12
43	Comparing Team Interactions in Traditional and BIM-Lean Design Management. Buildings, 2021, 11, 447.	1.4	11
44	Assessing the Relationship between Constraint Management and Schedule Performance in Chilean and Colombian Construction Projects. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	11
45	Value Analysis Model to Support the Building Design Process. Sustainability, 2020, 12, 4224.	1.6	9
46	Implementing Lean Production Strategies in Construction Companies. , 2003, , 1.		8
47	Diagnosis of Sustainable Business Strategies Implemented by Chilean Construction Companies. Sustainability, 2018, 10, 82.	1.6	8
48	Structured Approach for Best-Value Evaluation Criteria: US Designâ€œBuild Highway Procurement. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	8
49	An Assessment of Lean Design Management Practices in Construction Projects. Sustainability, 2020, 12, 19.	1.6	8
50	Key Indicators for Linguistic Action Perspective in the Last PlannerÂ® System. Sustainability, 2020, 12, 8728.	1.6	7
51	Key Last Planner System Metrics to Assess Project Performance in High-Rise Building and Industrial Construction Projects. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	2.0	7
52	Contributions of Information Technologies to Last Planner System Implementation. , 0, , .		6
53	Modeling Supply Chain Integration in an Integrated Project Delivery System. Sustainability, 2020, 12, 5092.	1.6	5
54	Knowledge Management and Information Flow Through Social Networks Analysis in Chilean Architecture Firms. , 0, , .		5

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55	Application of Social Network Analysis in Lean and Infrastructure Projects. , 0, , .		5
56	Assessment of Lean Practices, Performance and Social Networks in Chilean Airport Projects. , 0, , .		5
57	Indicators for Observing Elements of Linguistic Action Perspective in Last Planner® System. , 0, , .		5
58	Impact of Using an E-Marketplace in the Construction Supply Process: Lessons from a Case Study. Journal of Management in Engineering - ASCE, 2009, 25, 214-220.	2.6	4
59	Impact of Machine-Failure Costs on Equipment Replacement Policies: Tunneling Company Case Study. Journal of Construction Engineering and Management - ASCE, 2012, 138, 767-774.	2.0	4
60	Standardization can be good for exploration: a social capital view of the productivity dilemma in operational teams. Production Planning and Control, 0, , 1-18.	5.8	4
61	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
62	Importance of Noncost Criteria Weighing in Best-Value Designâ€œBuild US Highway Projects. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	4
63	Establishing a Link Between the Last Planner System and Simulation: A Conceptual Framework. , 0, , .		4
64	Using Percent Plan Completed for Early Success Assessment in the Last Planner System®. , 0, , .		4
65	Training field personnel to identify waste and improvement opportunities in construction. , 0, , .		4
66	Results of Indicators From the Linguistic Action Perspective in the Last Planner® System. , 0, , .		4
67	Using BIM-Based Sheets as a Visual Management Tool for on-Site Instructions: A Case Study. , 0, , .		3
68	Assessing the Impact of Lean Methods in Mining Development Projects. , 0, , .		3
69	Exploring Value Generation in Target Value Design Applying a Value Analysis Model. Buildings, 2022, 12, 922.	1.4	3
70	Reference Virtual Design Team (VDT) probabilities to Design Construction Project Organizations. Revista De La Construccion, 2015, 14, 29-34.	0.5	2
71	The Dilemma of Innovation in the Construction Company: A Decade of Lessons Learned. Lecture Notes in Management and Industrial Engineering, 2017, , 21-33.	0.3	2
72	Identification of critical factors in the owner-contractor relation in construction projects. , 0, , .		2

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73	Uso medicinal de cannabis: una revisión de la evidencia. <i>Terapia Psicológica</i> , 2019, 37, 166-180.	0.2	2
74	Improving the Effectiveness of New Construction Management Philosophies using the Integral Theory. <i>Revista De La Construccion</i> , 2010, 9, .	0.5	1
75	Constraint Bag Process Model: An Interdisciplinary Process Mining Approach to Lean Construction. , 2018, , .		1
76	Work Structuring for Flow. , 0, , .		1
77	Quantification of Productivity Changes Due to Work Schedule Changes in Construction Projects: A Case Study. <i>Revista De La Construccion</i> , 2014, 13, 9-14.	0.5	0