

Luis Alarcon

List of Publications by Citations

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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.

73
papers

1,268
citations

22
h-index

33
g-index

88
ext. papers

1,547
ext. citations

4.1
avg, IF

4.88
L-index

#	Paper	IF	Citations
73	Exploring performance of the integrated project delivery process on complex building projects. <i>International Journal of Project Management</i> , 2016 , 34, 1089-1101	7.6	82
72	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. <i>Journal of Management in Engineering - ASCE</i> , 2006 , 22, 158-167	5.3	77
71	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
70	Achieving Lean Design Process: Improvement Methodology. <i>Journal of Construction Engineering and Management - ASCE</i> , 2002 , 128, 248-256	4.2	67
69	Performance Modeling for Contractor Selection. <i>Journal of Management in Engineering - ASCE</i> , 2002 , 18, 52-60	5.3	61
68	Modeling Project Performance for Decision Making. <i>Journal of Construction Engineering and Management - ASCE</i> , 1996 , 122, 265-273	4.2	48
67	Investigating the relationship between planning reliability and project performance. <i>Production Planning and Control</i> , 2008 , 19, 461-474	4.3	47
66	Benchmarking System for Evaluating Management Practices in the Construction Industry. <i>Journal of Management in Engineering - ASCE</i> , 2004 , 20, 110-117	5.3	46
65	Strategies for improving safety performance in construction firms. <i>Accident Analysis and Prevention</i> , 2016 , 94, 107-18	6.1	37
64	Organizational Improvement Through Standardization of the Innovation Process in Construction Firms. <i>EMJ - Engineering Management Journal</i> , 2012 , 24, 40-53	1.9	37
63	Construction process improvement methodology for construction projects. <i>International Journal of Project Management</i> , 1998 , 16, 215-221	7.6	37
62	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
61	Multiobjective design of Work-In-Process buffer for scheduling repetitive building projects. <i>Automation in Construction</i> , 2009 , 18, 95-108	9.6	30
60	Selecting Long-Term Strategies for Construction Firms. <i>Journal of Construction Engineering and Management - ASCE</i> , 1997 , 123, 388-398	4.2	28
59	Comparative analysis between integrated project delivery and lean project delivery. <i>International Journal of Project Management</i> , 2019 , 37, 395-409	7.6	25
58	UAV Integration in Current Construction Safety Planning and Monitoring Processes: Case Study of a High-Rise Building Construction Project in Chile. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 05020005	5.3	25
57	Model for Systematic Innovation in Construction Companies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	25

56	On-Site Subcontractor Evaluation Method Based on Lean Principles and Partnering Practices. <i>Journal of Management in Engineering - ASCE</i> , 2007 , 23, 67-74	5.3	25
55	Risk Planning and Management for the Panama Canal Expansion Program. <i>Journal of Construction Engineering and Management - ASCE</i> , 2011 , 137, 762-771	4.2	24
54	Seismic Analysis Methods for Irregular Buildings. <i>Journal of Structural Engineering</i> , 1986 , 112, 35-52	3	24
53	Multidisciplinary Design Optimization through process integration in the AEC industry: Strategies and challenges. <i>Automation in Construction</i> , 2017 , 73, 102-119	9.6	23
52	Assessing the impacts of implementing lean construction. <i>Revista Ingenieria De Construccion</i> , 2008 , 23,	1	23
51	Influence of Organizational Characteristics on Construction Project Performance Using Corporate Social Networks. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 04018013	5.3	20
50	Improving Value Generation in the Design Process of Industrial Projects Using CAVT. <i>Journal of Management in Engineering - ASCE</i> , 2006 , 22, 52-60	5.3	19
49	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
48	Project management decision making using cross-impact analysis. <i>International Journal of Project Management</i> , 1998 , 16, 145-152	7.6	18
47	Understanding Interactions between Design Team Members of Construction Projects Using Social Network Analysis. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020 , 146, 04020053	4.2	16
46	Effects of Last Planner System Practices on Social Networks and the Performance of Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2018 , 144, 04017120	4.2	16
45	A Hybrid Cross-Impact Approach to Predicting Cost Variance of Project Delivery Decisions for Highways. <i>Journal of Infrastructure Systems</i> , 2016 , 22, 04015017	2.9	15
44	Selection of Third-Party Relationships in Construction. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	14
43	Observations on Bridge Performance during the Chilean Earthquake of 2010. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	14
42	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
41	Coordination of teams, meetings, and managerial processes in construction projects: using a lean and complex adaptive mechanism. <i>Production Planning and Control</i> , 2019 , 30, 736-763	4.3	12
40	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
39	Finding Differences among Construction Companies Management Practices and Their Relation to Project Performance. <i>Journal of Management in Engineering - ASCE</i> , 2018 , 34, 05018003	5.3	12

38	iSafeUAS: An unmanned aerial system for construction safety inspection. <i>Automation in Construction</i> , 2021 , 125, 103595	9.6	12
37	Creative Innovation in Spanish Construction Firms. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2016 , 142, 04015006	0.7	11
36	Knowledge Management and Maturation Model in Construction Companies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	11
35	Identifying waste in virtual design and construction practice from a Lean Thinking perspective: A meta-analysis of the literature. <i>Revista De La Construccion</i> , 2016 , 15, 107-118	1.2	11
34	Variability propagation in the production planning and control mechanism of construction projects. <i>Production Planning and Control</i> , 2017 , 28, 707-726	4.3	9
33	Assessing the Impacts of an IT LPS Support System on Schedule Accomplishment in Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019 , 145, 04019055	4.2	9
32	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
31	Modeling Virtual Design and Construction Implementation Strategies Considering Lean Management Impacts. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017 , 32, 930-951	8.4	7
30	Developing a benchmarking system for architecture design firms. <i>Engineering, Construction and Architectural Management</i> , 2019 , 26, 139-152	3.1	7
29	Implementing Lean Production Strategies in Construction Companies 2003 , 1		6
28	Analyzing the Association between Lean Design Management Practices and BIM Uses in the Design of Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04021010	4.3	6
27	Value Analysis Model to Support the Building Design Process. <i>Sustainability</i> , 2020 , 12, 4224	3.6	5
26	An Assessment of Lean Design Management Practices in Construction Projects. <i>Sustainability</i> , 2020 , 12, 19	3.6	5
25	BIM Use Assessment (BUA) Tool for Characterizing the Application Levels of BIM Uses for the Planning and Design of Construction Projects. <i>Advances in Civil Engineering</i> , 2019 , 2019, 1-9	1.3	5
24	Comparing Team Interactions in Traditional and BIM-Lean Design Management. <i>Buildings</i> , 2021 , 11, 447	3.2	5
23	Diagnosis of Sustainable Business Strategies Implemented by Chilean Construction Companies. <i>Sustainability</i> , 2018 , 10, 82	3.6	4
22	Impact of Using an E-Marketplace in the Construction Supply Process: Lessons from a Case Study. <i>Journal of Management in Engineering - ASCE</i> , 2009 , 25, 214-220	5.3	4
21	Knowledge Management and Information Flow Through Social Networks Analysis in Chilean Architecture Firms		4

20	Impact of Machine-Failure Costs on Equipment Replacement Policies: Tunneling Company Case Study. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 767-774	4.2	3
19	Assessment of Lean Practices, Performance and Social Networks in Chilean Airport Projects		3
18	Using Percent Plan Completed for Early Success Assessment in the Last Planner System		3
17	Key Indicators for Linguistic Action Perspective in the Last Planner System. <i>Sustainability</i> , 2020 , 12, 8728	3.6	3
16	Structured Approach for Best-Value Evaluation Criteria: US Design-Build Highway Procurement. <i>Journal of Management in Engineering - ASCE</i> , 2020 , 36, 04020086	5.3	3
15	Assessing the Relationship between Constraint Management and Schedule Performance in Chilean and Colombian Construction Projects. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37, 04021046	5.3	3
14	Reference Virtual Design Team (VDT) probabilities to Design Construction Project Organizations. <i>Revista De La Construccion</i> , 2015 , 14, 29-34	1.2	2
13	Key Last Planner System Metrics to Assess Project Performance in High-Rise Building and Industrial Construction Projects. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022 , 148,	4.2	2
12	Contributions of Information Technologies to Last Planner System Implementation		2
11	Using BIM-Based Sheets as a Visual Management Tool for on-Site Instructions: A Case Study		2
10	Establishing a Link Between the Last Planner System and Simulation: A Conceptual Framework		2
9	Identification of critical factors in the owner-contractor relation in construction projects		2
8	The Dilemma of Innovation in the Construction Company: A Decade of Lessons Learned. <i>Lecture Notes in Management and Industrial Engineering</i> , 2017 , 21-33	0.3	2
7	Standardization can be good for exploration: a social capital view of the productivity dilemma in operational teams. <i>Production Planning and Control</i> , 1-18	4.3	2
6	Observaciones de Desempeño de Puentes durante el Terremoto de Chile en 2010. <i>Journal of Construction Engineering and Management - ASCE</i> , 2014 , 140,	4.2	1
5	Improving the Effectiveness of New Construction Management Philosophies using the Integral Theory. <i>Revista De La Construccion</i> , 2010 , 9,	1.2	1
4	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
3	Importance of Noncost Criteria Weighing in Best-Value Design-Build US Highway Projects. <i>Journal of Management in Engineering - ASCE</i> , 2021 , 37,	5.3	1

- 2 Modeling Supply Chain Integration in an Integrated Project Delivery System. *Sustainability*, **2020**, 12, 5092 3.6 0
- 1 Quantification of Productivity Changes Due to Work Schedule Changes in Construction Projects: A Case Study. *Revista De La Construccion*, **2014**, 13, 9-14 1.2