Luis Alarcon

List of Publications by Year in Descending Order

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	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,	4.2	2
72	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, 04021010	4.2	6
71	iSafeUAS: An unmanned aerial system for construction safety inspection. *Automation in Construction*, **2021**, 125, 103595	9.6	12
70	Importance of Noncost Criteria Weighing in Best-Value DesignBuild US Highway Projects. *Journal of Management in Engineering - ASCE*, **2021**, 37,	5.3	1
69	Comparing Team Interactions in Traditional and BIM-Lean Design Management. *Buildings*, **2021**, 11, 447	3.2	5
68	Assessing the Relationship between Constraint Management and Schedule Performance in Chilean and Colombian Construction Projects. *Journal of Management in Engineering - ASCE*, **2021**, 37, 04021046	5.3	3
67	Value Analysis Model to Support the Building Design Process. *Sustainability*, **2020**, 12, 4224	3.6	5
66	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, 05020005	5.3	25
65	Understanding Interactions between Design Team Members of Construction Projects Using Social Network Analysis. *Journal of Construction Engineering and Management - ASCE*, **2020**, 146, 04020053	4.2	16
64	An Assessment of Lean Design Management Practices in Construction Projects. *Sustainability*, **2020**, 12, 19	3.6	5
63	Modeling Supply Chain Integration in an Integrated Project Delivery System. *Sustainability*, **2020**, 12, 5092	3.6	0
62	Key Indicators for Linguistic Action Perspective in the Last Planner System. *Sustainability*, **2020**, 12, 8728	3.6	3
61	Structured Approach for Best-Value Evaluation Criteria: US DesignBuild Highway Procurement. *Journal of Management in Engineering - ASCE*, **2020**, 36, 04020086	5.3	3
60	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	4.3	12
59	Comparative analysis between integrated project delivery and lean project delivery. *International Journal of Project Management*, **2019**, 37, 395-409	7.6	25
58	Developing a benchmarking system for architecture design firms. *Engineering, Construction and Architectural Management*, **2019**, 26, 139-152	3.1	7
57	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	1.3	5

56	Assessing the Impacts of an IT LPS Support System on Schedule Accomplishment in Construction Projects. *Journal of Construction Engineering and Management - ASCE*, **2019**, 145, 04019055	4.2	9
55	Effects of Last Planner System Practices on Social Networks and the Performance of Construction Projects. *Journal of Construction Engineering and Management - ASCE*, **2018**, 144, 04017120	4.2	16
54	Influence of Organizational Characteristics on Construction Project Performance Using Corporate Social Networks. *Journal of Management in Engineering - ASCE*, **2018**, 34, 04018013	5.3	20
53	Finding Differences among Construction Companies Management Practices and Their Relation to Project Performance. *Journal of Management in Engineering - ASCE*, **2018**, 34, 05018003	5.3	12
52	Diagnosis of Sustainable Business Strategies Implemented by Chilean Construction Companies. *Sustainability*, **2018**, 10, 82	3.6	4
51	Modeling Virtual Design and Construction Implementation Strategies Considering Lean Management Impacts. *Computer-Aided Civil and Infrastructure Engineering*, **2017**, 32, 930-951	8.4	7
50	Variability propagation in the production planning and control mechanism of construction projects. *Production Planning and Control*, **2017**, 28, 707-726	4.3	9
49	Multidisciplinary Design Optimization through process integration in the AEC industry: Strategies and challenges. *Automation in Construction*, **2017**, 73, 102-119	9.6	23
48	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
47	Creative Innovation in Spanish Construction Firms. *Journal of Professional Issues in Engineering Education and Practice*, **2016**, 142, 04015006	0.7	11
46	Strategies for improving safety performance in construction firms. *Accident Analysis and Prevention*, **2016**, 94, 107-18	6.1	37
45	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	1.2	11
44	Exploring performance of the integrated project delivery process on complex building projects. *International Journal of Project Management*, **2016**, 34, 1089-1101	7.6	82
43	A Hybrid Cross-Impact Approach to Predicting Cost Variance of Project Delivery Decisions for Highways. *Journal of Infrastructure Systems*, **2016**, 22, 04015017	2.9	15
42	Implementing Lean Production in Copper Mining Development Projects: Case Study. *Journal of Construction Engineering and Management - ASCE*, **2015**, 141, 05014013	4.2	12
41	Reference Virtual Design Team (VDT) probabilities to Design Construction Project Organizations. *Revista De La Construccion*, **2015**, 14, 29-34	1.2	2
40	LEBSCO: Lean-Based Simulation Game for Construction Management Classrooms. *Journal of Professional Issues in Engineering Education and Practice*, **2015**, 141, 04015002	0.7	9
39	Knowledge Management and Maturation Model in Construction Companies. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	11

38	Observaciones de Desempeð de Puentesdurante el Terremoto de Chile en 2010. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	1
37	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	
36	Selection of Third-Party Relationships in Construction. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	14
35	Observations on Bridge Performance during the Chilean Earthquake of 2010. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	14
34	Model for Systematic Innovation in Construction Companies. *Journal of Construction Engineering and Management - ASCE*, **2014**, 140,	4.2	25
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	14
32	Impact of Machine-Failure Costs on Equipment Replacement Policies: Tunneling Company Case Study. *Journal of Construction Engineering and Management - ASCE*, **2012**, 138, 767-774	4.2	3
31	Organizational Improvement Through Standardization of the Innovation Process in Construction Firms. *EMJ - Engineering Management Journal*, **2012**, 24, 40-53	1.9	37
30	Risk Planning and Management for the Panama Canal Expansion Program. *Journal of Construction Engineering and Management - ASCE*, **2011**, 137, 762-771	4.2	24
29	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	4.2	70
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	4.2	18
27	Improving the Effectiveness of New Construction Management Philosophies using the Integral Theory. *Revista De La Construccion*, **2010**, 9,	1.2	1
26	Improving Planning Reliability and Project Performance Using the Reliable Commitment Model. *Journal of Construction Engineering and Management - ASCE*, **2010**, 136, 1129-1139	4.2	31
25	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	5.3	4
24	Multiobjective design of Work-In-Process buffer for scheduling repetitive building projects. *Automation in Construction*, **2009**, 18, 95-108	9.6	30
23	Investigating the relationship between planning reliability and project performance. *Production Planning and Control*, **2008**, 19, 461-474	4.3	47
22	Assessing the impacts of implementing lean construction. *Revista Ingenieria De Construccion*, **2008**, 23,	1	23
21	On-Site Subcontractor Evaluation Method Based on Lean Principles and Partnering Practices. *Journal of Management in Engineering - ASCE*, **2007**, 23, 67-74	5.3	25

20	Improving Value Generation in the Design Process of Industrial Projects Using CAVT. *Journal of Management in Engineering - ASCE*, **2006**, 22, 52-60	5.3	19
19	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. *Journal of Management in Engineering - ASCE*, **2006**, 22, 158-167	5.3	77
18	Benchmarking System for Evaluating Management Practices in the Construction Industry. *Journal of Management in Engineering - ASCE*, **2004**, 20, 110-117	5.3	46
17	Implementing Lean Production Strategies in Construction Companies **2003**, 1		6
16	Achieving Lean Design Process: Improvement Methodology. *Journal of Construction Engineering and Management - ASCE*, **2002**, 128, 248-256	4.2	67
15	Performance Modeling for Contractor Selection. *Journal of Management in Engineering - ASCE*, **2002**, 18, 52-60	5.3	61
14	Project management decision making using cross-impact analysis. *International Journal of Project Management*, **1998**, 16, 145-152	7.6	18
13	Construction process improvement methodology for construction projects. *International Journal of Project Management*, **1998**, 16, 215-221	7.6	37
12	Selecting Long-Term Strategies for Construction Firms. *Journal of Construction Engineering and Management - ASCE*, **1997**, 123, 388-398	4.2	28
11	Modeling Project Performance for Decision Making. *Journal of Construction Engineering and Management - ASCE*, **1996**, 122, 265-273	4.2	48
10	Seismic Analysis Methods for Irregular Buildings. *Journal of Structural Engineering*, **1986**, 112, 35-52	3	24
9	Knowledge Management and Information Flow Through Social Networks Analysis in Chilean Architecture Firms		4
8	Contributions of Information Technologies to Last Planner System Implementation		2
7	Assessment of Lean Practices, Performance and Social Networks in Chilean Airport Projects		3
6	Using BIM-Based Sheets as a Visual Management Tool for on-Site Instructions: A Case Study		2
5	Establishing a Link Between the Last Planner System and Simulation: A Conceptual Framework		2
4	Using Percent Plan Completed for Early Success Assessment in the Last Planner System		3
3	Identification of critical factors in the owner-contractor relation in construction projects		2

2	Standardization can be good for exploration: a social capital view of the productivity dilemma in operational teams. *Production Planning and Control*,1-18	4.3	2
1	Exploring the links between simulation modelling and construction production planning and control: a case study on the last planner system. *Production Planning and Control*,1-18	4.3	1