

# Carlos T Formoso

## List of Publications by Year in descending order

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80  
papers

1,582  
citations

430442

18  
h-index

329751

37  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Method for capturing demands for housing customisation: balancing value for customers and operations costs. <i>Journal of Housing and the Built Environment</i> , 2022, 37, 311-337.	0.9	4
2	The Built Environment Influence on Resilient Healthcare: A Systematic Literature Review of Design Knowledge. <i>Herd</i> , 2022, 15, 329-350.	0.9	4
3	Guidelines for the Implementation of Mass Customization in Affordable House-Building Projects. <i>Sustainability</i> , 2022, 14, 4141.	1.6	2
4	BIM+Lean for integrating production and quality control at the construction site. <i>Ambiente Constru�do</i> , 2022, 22, 7-25.	0.2	0
5	Diretrizes para a gest�o de empreendimentos de constru�o complexos do mercado varejista com base na Lean Production e em Agile Project Management. <i>Ambiente Constru�do</i> , 2022, 22, 105-127.	0.2	1
6	Development of a Typology for Understanding Visual Management Concepts and Their Relationships. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	2.0	1
7	Festschrift honouring Dr. Glenn Ballard. <i>Construction Management and Economics</i> , 2022, 40, 497-506.	1.8	0
8	Requirements in performance measurement systems of construction projects from the lean production perspective. <i>Frontiers of Engineering Management</i> , 2021, 8, 442-455.	3.3	9
9	Method for managing requirements in healthcare projects using building information modelling. <i>Engineering, Construction and Architectural Management</i> , 2021, 28, 2090-2118.	1.8	6
10	Automated compliance checking in healthcare building design. <i>Automation in Construction</i> , 2021, 129, 103822.	4.8	16
11	A systems thinking based method for assessing safety management best practices in construction. <i>Safety Science</i> , 2021, 141, 105345.	2.6	8
12	A resilience engineering-based framework for assessing safety performance measurement systems: A study in the construction industry. <i>Safety Science</i> , 2021, 142, 105364.	2.6	9
13	Model for planning and controlling the delivery and assembly of engineer-to-order prefabricated building systems: exploring synergies between Lean and BIM. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 165-177.	0.7	36
14	A semantic-based framework for automated rule checking in healthcare construction projects. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 202-214.	0.7	14
15	Monitoring complexity and resilience in construction projects: The contribution of safety performance measurement systems. <i>Applied Ergonomics</i> , 2020, 82, 102978.	1.7	49
16	A Customer Integration Framework for the Development of Mass Customised Housing Projects. <i>Sustainability</i> , 2020, 12, 8901.	1.6	6
17	Integrated modelling of built environment and functional requirements: Implications for resilience. <i>Applied Ergonomics</i> , 2020, 88, 103154.	1.7	23
18	A resilience engineering perspective of safety performance measurement systems: A systematic literature review. <i>Safety Science</i> , 2020, 130, 104864.	2.6	28

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19	Lean and BIM meet social sciences: new perspectives in construction engineering and management. Canadian Journal of Civil Engineering, 2020, 47, v-vi.	0.7	1
20	Using Building Information Modelling to Manage Client Requirements in Social Housing Projects. Sustainability, 2020, 12, 2804.	1.6	14
21	Método para planejamento e controle da produção baseado em zonas de trabalho com o apoio de BIM. Ambiente Construído, 2020, 20, 129-151.	0.2	7
22	Using conjoint analysis to understand customer preferences in customized low-income housebuilding projects. Ambiente Construído, 2020, 20, 247-262.	0.2	2
23	Diretrizes para planejar e controlar o processo de montagem de sistemas construtivos pré-fabricados de aço. Ambiente Construído, 2020, 20, 505-524.	0.2	0
24	Diretrizes para a definição de lotes de montagem de sistemas pré-fabricados de concreto do tipo engineer-to-order. Ambiente Construído, 2020, 20, 105-127.	0.2	0
25	Método para a avaliação técnica da qualidade pós-ocupação de áreas de uso comum de habitações de interesse social. Ambiente Construído, 2020, 20, 171-194.	0.2	0
26	Model for Devising Visual Management Systems on Construction Sites. Journal of Construction Engineering and Management - ASCE, 2019, 145, 04018138.	2.0	13
27	Site logistics planning and control for engineer-to-order prefabricated building systems using BIM 4D modeling. Automation in Construction, 2019, 98, 248-264.	4.8	136
28	BIM 4D aplicado à gestão logística: implementação na montagem de sistemas pré-fabricados de concreto engineer-to-order. Ambiente Construído, 2018, 18, 173-192.	0.2	8
29	Planning and controlling design in engineered-to-order prefabricated building systems. Engineering, Construction and Architectural Management, 2018, 25, 134-152.	1.8	25
30	Improving transparency in construction management: a visual planning and control model. Engineering, Construction and Architectural Management, 2018, 25, 1277-1297.	1.8	35
31	Integrating Technical and Social Competencies of Construction Managers. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	5
32	Identification and assessment of requirements of temporary edge protection systems for buildings. International Journal of Industrial Ergonomics, 2017, 58, 90-108.	1.5	6
33	Understanding the theory behind the Last Planner System using the Language-Action Perspective: two case studies. Production Planning and Control, 2017, 28, 177-189.	5.8	19
34	Building information modelling to cut disruption in housing retrofit. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2017, 170, 322-333.	0.4	7
35	Using Modularity to Reduce Complexity of Industrialized Building Systems for Mass Customization. Energies, 2017, 10, 1622.	1.6	35
36	Resilience skills used by front-line workers to assemble precast concrete structures: an exploratory study. Ambiente Construído, 2017, 17, 25-43.	0.2	8

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37	The identification and analysis of making-do waste: insights from two Brazilian construction sites. <i>Ambiente Construído</i> , 2017, 17, 183-197.	0.2	9
38	Proposta de modelo para controle integrado da produção e da qualidade com apoio da computação móvel. <i>Ambiente Construído</i> , 2016, 16, 109-124.	0.2	4
39	Visual Management in Brazilian Construction Companies: Taxonomy and Guidelines for Implementation. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	2.6	31
40	Uso de modelagem 4D e Building Information Modeling na gestão de sistemas de produção em empreendimentos de construção. <i>Ambiente Construído</i> , 2015, 15, 79-96.	0.2	18
41	Adopting Product Modularity in House Building to Support Mass Customisation. <i>Sustainability</i> , 2015, 7, 4919-4937.	1.6	31
42	Avaliação de requisitos de desempenho de Sistemas de Proteção Periférica (SPP). <i>Ambiente Construído</i> , 2015, 15, 267-289.	0.2	3
43	Findings from the Analysis of Incident-Reporting Systems of Construction Companies. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015, 141, .	2.0	8
44	The Role of Commitments in the Management of Construction Make-to-Order Supply Chains. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	2.6	22
45	Indicador de falhas de qualidade baseado na percepção dos usuários de Habitação de Interesse Social. <i>Ambiente Construído</i> , 2015, 15, 19-35.	0.2	5
46	Projeto de sistemas de produção na construção civil empregando simulação no apoio à tomada de decisão. <i>Ambiente Construído</i> , 2015, 15, 165-182.	0.2	5
47	Barreiras e oportunidades para a implementação dos princípios de IPD e práticas de LPDS na gestão dos projetos de instalações da indústria de base brasileira. <i>Ambiente Construído</i> , 2015, 15, 87-104.	0.2	1
48	A Method for Proposing Valued-Adding Attributes in Customized Housing. <i>Sustainability</i> , 2014, 6, 9244-9267.	1.6	20
49	Project management and asset management in emerging economies. <i>Built Environment Project and Asset Management</i> , 2014, 4, .	0.9	1
50	Modelagem de requisitos de clientes de empreendimentos habitacionais de interesse social com o uso de BIM. <i>Ambiente Construído</i> , 2013, 13, 177-195.	0.2	5
51	Princípios para o projeto de sistemas de medição de desempenho em segurança e saúde no trabalho: a perspectiva da engenharia de resiliência. <i>Production</i> , 2013, 23, 387-401.	1.3	2
52	Identificação de práticas de gestão da segurança e saúde no trabalho em obras de construção civil. <i>Ambiente Construído</i> , 2013, 13, 43-58.	0.2	10
53	Método para avaliação da qualidade de processos construtivos em empreendimentos habitacionais de interesse social. <i>Ambiente Construído</i> , 2012, 12, 77-96.	0.2	6
54	Three Theoretical Perspectives for Understanding Inter-firm Coordination of Construction Project Supply Chains. <i>Construction Economics and Building</i> , 2011, 11, 1-17.	0.5	6

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55	Proposta de um protocolo para o processamento de requisitos do cliente em empreendimentos habitacionais de interesse social. <i>Ambiente Construído</i> , 2011, 11, 21-37.	0.2	10
56	Avaliação de empreendimentos habitacionais de interesse social com base na hierarquia de valor percebido pelo usuário. <i>Ambiente Construído</i> , 2011, 11, 67-83.	0.2	9
57	Fatores-chave de sucesso para sistemas de indicadores de desempenho para benchmarking colaborativo entre empresas construtoras. <i>Ambiente Construído</i> , 2011, 11, 143-159.	0.2	6
58	Análise de dados de reclamações em empreendimentos habitacionais de interesse social: estudo no Programa de Arrendamento Residencial. <i>Ambiente Construído</i> , 2011, 11, 151-166.	0.2	10
59	Desafios para a gestão de projetos urbanos com elevada complexidade: análise do Programa Integrado Entrada da Cidade em Porto Alegre, RS. <i>Ambiente Construído</i> , 2011, 11, 73-87.	0.2	4
60	Identification, analysis and dissemination of information on near misses: A case study in the construction industry. <i>Safety Science</i> , 2010, 48, 91-99.	2.6	96
61	Redefining Healthcare Infrastructure: Moving toward Integrated Solutions. <i>Herd</i> , 2010, 3, 84-96.	0.9	6
62	An analysis of construction safety best practices from a cognitive systems engineering perspective. <i>Safety Science</i> , 2008, 46, 1169-1183.	2.6	100
63	Planejamento e controle integrado entre segurança e produção em processos críticos na construção civil. <i>Production</i> , 2008, 18, 479-492.	1.3	2
64	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. <i>Journal of Management in Engineering - ASCE</i> , 2006, 22, 158-167.	2.6	90
65	Mass appraisal with genetic fuzzy rule-based systems. <i>Property Management</i> , 2006, 24, 20-30.	0.4	47
66	A model for integrating cost management and production planning and control in construction. <i>Journal of Financial Management of Property and Construction</i> , 2006, 11, 75-90.	0.9	17
67	A new approach to spatial analysis in CAMA. <i>Property Management</i> , 2005, 23, 312-327.	0.4	7
68	Analysis of a safety planning and control model from the human error perspective. <i>Engineering, Construction and Architectural Management</i> , 2005, 12, 283-298.	1.8	26
69	Safety and production: an integrated planning and control model. <i>Construction Management and Economics</i> , 2004, 22, 159-169.	1.8	65
70	Os critérios competitivos da produção: um estudo exploratório na construção de edificações. <i>RAC: Revista De Administração Contemporânea</i> , 2003, 7, 67-85.	0.1	9
71	A model for managing the product development process in house building. <i>Engineering, Construction and Architectural Management</i> , 2002, 9, 419-432.	1.8	5
72	AN EXPLORATORY STUDY ON THE APPLICABILITY OF PROCESS TRANSPARENCY IN CONSTRUCTION SITES. <i>Journal of Construction Research</i> , 2002, 03, 35-54.	0.3	46

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73	Material Waste in Building Industry: Main Causes and Prevention. Journal of Construction Engineering and Management - ASCE, 2002, 128, 316-325.	2.0	269
74	A model for managing the product development process in house building. Engineering, Construction and Architectural Management, 2002, 9, 419-432.	1.8	16
75	Segurança e produção: um modelo para o planejamento e controle integrado. Production, 2002, 12, 60-71.	1.3	2
76	The Built Environment's Influence on Resilience of Healthcare Services: Lessons Learnt From the Covid-19 Pandemic. , 0, , .		1
77	Guidelines for Devising and Assessing Visual Management Systems in Construction Sites. , 0, , .		2
78	Guidelines to Develop a BIM Model Focused on Construction Planning and Control. , 0, , .		5
79	Using BIM and Lean for Modelling Requirements in the Design of Healthcare Projects. , 0, , .		4
80	Requirements for developing production planning and control systems for engineer-to-order industrialized building systems. Construction Management and Economics, 0, , 1-15.	1.8	3