

Carlos T Formoso

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

1,582
citations

430874

18
h-index

330143

37
g-index

82
all docs

82
docs citations

82
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Material Waste in Building Industry: Main Causes and Prevention. Journal of Construction Engineering and Management - ASCE, 2002, 128, 316-325.	3.8	269
2	Site logistics planning and control for engineer-to-order prefabricated building systems using BIM 4D modeling. Automation in Construction, 2019, 98, 248-264.	9.8	136
3	An analysis of construction safety best practices from a cognitive systems engineering perspective. Safety Science, 2008, 46, 1169-1183.	4.9	100
4	Identification, analysis and dissemination of information on near misses: A case study in the construction industry. Safety Science, 2010, 48, 91-99.	4.9	96
5	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. Journal of Management in Engineering - ASCE, 2006, 22, 158-167.	4.8	90
6	Safety and production: an integrated planning and control model. Construction Management and Economics, 2004, 22, 159-169.	3.0	65
7	Monitoring complexity and resilience in construction projects: The contribution of safety performance measurement systems. Applied Ergonomics, 2020, 82, 102978.	3.1	49
8	Mass appraisal with genetic fuzzy rule-based systems. Property Management, 2006, 24, 20-30.	0.8	47
9	AN EXPLORATORY STUDY ON THE APPLICABILITY OF PROCESS TRANSPARENCY IN CONSTRUCTION SITES. Journal of Construction Research, 2002, 03, 35-54.	0.3	46
10	Model for planning and controlling the delivery and assembly of engineer-to-order prefabricated building systems: exploring synergies between Lean and BIM. Canadian Journal of Civil Engineering, 2020, 47, 165-177.	1.3	36
11	Using Modularity to Reduce Complexity of Industrialized Building Systems for Mass Customization. Energies, 2017, 10, 1622.	3.1	35
12	Improving transparency in construction management: a visual planning and control model. Engineering, Construction and Architectural Management, 2018, 25, 1277-1297.	3.1	35
13	Visual Management in Brazilian Construction Companies: Taxonomy and Guidelines for Implementation. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	31
14	Adopting Product Modularity in House Building to Support Mass Customisation. Sustainability, 2015, 7, 4919-4937.	3.2	31
15	A resilience engineering perspective of safety performance measurement systems: A systematic literature review. Safety Science, 2020, 130, 104864.	4.9	28
16	Analysis of a safety planning and control model from the human error perspective. Engineering, Construction and Architectural Management, 2005, 12, 283-298.	3.1	26
17	Planning and controlling design in engineered-to-order prefabricated building systems. Engineering, Construction and Architectural Management, 2018, 25, 134-152.	3.1	25
18	Integrated modelling of built environment and functional requirements: Implications for resilience. Applied Ergonomics, 2020, 88, 103154.	3.1	23

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19	The Role of Commitments in the Management of Construction Make-to-Order Supply Chains. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	4.8	22
20	A Method for Proposing Valued-Adding Attributes in Customized Housing. <i>Sustainability</i> , 2014, 6, 9244-9267.	3.2	20
21	Understanding the theory behind the Last Planner System using the Language-Action Perspective: two case studies. <i>Production Planning and Control</i> , 2017, 28, 177-189.	8.8	19
22	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.	0.4	18
23	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.	1.4	17
24	A model for managing the product development process in house building. <i>Engineering, Construction and Architectural Management</i> , 2002, 9, 419-432.	3.1	16
25	Automated compliance checking in healthcare building design. <i>Automation in Construction</i> , 2021, 129, 103822.	9.8	16
26	A semantic-based framework for automated rule checking in healthcare construction projects. <i>Canadian Journal of Civil Engineering</i> , 2020, 47, 202-214.	1.3	14
27	Using Building Information Modelling to Manage Client Requirements in Social Housing Projects. <i>Sustainability</i> , 2020, 12, 2804.	3.2	14
28	Model for Devising Visual Management Systems on Construction Sites. <i>Journal of Construction Engineering and Management - ASCE</i> , 2019, 145, 04018138.	3.8	13
29	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.	0.4	10
30	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.	0.4	10
31	Identificação de práticas de gestão da segurança e saúde no trabalho em obras de construção civil. <i>Ambiente Construído</i> , 2013, 13, 43-58.	0.4	10
32	Os critérios competitivos da produção: um estudo exploratório na construção de edifícios. <i>RAC: Revista De Administração Contemporânea</i> , 2003, 7, 67-85.	0.4	9
33	The identification and analysis of making-do waste: insights from two Brazilian construction sites. <i>Ambiente Construído</i> , 2017, 17, 183-197.	0.4	9
34	Requirements in performance measurement systems of construction projects from the lean production perspective. <i>Frontiers of Engineering Management</i> , 2021, 8, 442-455.	6.1	9
35	A resilience engineering-based framework for assessing safety performance measurement systems: A study in the construction industry. <i>Safety Science</i> , 2021, 142, 105364.	4.9	9
36	Avaliação de empreendimentos habitacionais de interesse social com base na hierarquia de valor percebido pelo usuário. <i>Ambiente Construído</i> , 2011, 11, 67-83.	0.4	9

#	ARTICLE	IF	CITATIONS
37	Findings from the Analysis of Incident-Reporting Systems of Construction Companies. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	8
38	Resilience skills used by front-line workers to assemble precast concrete structures: an exploratory study. Ambiente Construído, 2017, 17, 25-43.	0.4	8
39	BIM 4D aplicado à gestão logística: implementação na montagem de sistemas pré-fabricados de concreto engineer-to-order. Ambiente Construído, 2018, 18, 173-192.	0.4	8
40	A systems thinking based method for assessing safety management best practices in construction. Safety Science, 2021, 141, 105345.	4.9	8
41	A new approach to spatial analysis in CAMA. Property Management, 2005, 23, 312-327.	0.8	7
42	Building information modelling to cut disruption in housing retrofit. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2017, 170, 322-333.	0.7	7
43	Método para planejamento e controle da produção baseado em zonas de trabalho com o apoio de BIM. Ambiente Construído, 2020, 20, 129-151.	0.4	7
44	Redefining Healthcare Infrastructure: Moving toward Integrated Solutions. Herd, 2010, 3, 84-96.	1.5	6
45	Three Theoretical Perspectives for Understanding Inter-firm Coordination of Construction Project Supply Chains. Construction Economics and Building, 2011, 11, 1-17.	0.9	6
46	Método para avaliação da qualidade de processos construtivos em empreendimentos habitacionais de interesse social. Ambiente Construído, 2012, 12, 77-96.	0.4	6
47	Identification and assessment of requirements of temporary edge protection systems for buildings. International Journal of Industrial Ergonomics, 2017, 58, 90-108.	2.6	6
48	A Customer Integration Framework for the Development of Mass Customised Housing Projects. Sustainability, 2020, 12, 8901.	3.2	6
49	Method for managing requirements in healthcare projects using building information modelling. Engineering, Construction and Architectural Management, 2021, 28, 2090-2118.	3.1	6
50	Fatores-chave de sucesso para sistemas de indicadores de desempenho para benchmarking colaborativo entre empresas construtoras. Ambiente Construído, 2011, 11, 143-159.	0.4	6
51	A model for managing the product development process in house building. Engineering, Construction and Architectural Management, 2002, 9, 419-432.	3.1	5
52	Modelagem de requisitos de clientes de empreendimentos habitacionais de interesse social com o uso de BIM. Ambiente Construído, 2013, 13, 177-195.	0.4	5
53	Integrating Technical and Social Competencies of Construction Managers. Journal of Professional Issues in Engineering Education and Practice, 2017, 143, .	0.9	5
54	Indicador de falhas de qualidade baseado na percepção dos usuários de Habitação de Interesse Social. Ambiente Construído, 2015, 15, 19-35.	0.4	5

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55	Guidelines to Develop a BIM Model Focused on Construction Planning and Control. , 0, , .		5
56	Projeto de sistemas de produ��o na constru��o civil empregando simula��o no apoio � tomada de decis�o. Ambiente Constru�do, 2015, 15, 165-182.	0.4	5
57	Proposta de modelo para controle integrado da produ��o e da qualidade com apoio da computa��o m�vel. Ambiente Constru�do, 2016, 16, 109-124.	0.4	4
58	Method for capturing demands for housing customisation: balancing value for customers and operations costs. Journal of Housing and the Built Environment, 2022, 37, 311-337.	1.8	4
59	Using BIM and Lean for Modelling Requirements in the Design of Healthcare Projects. , 0, , .		4
60	Desafios para a gest�o de projetos urbanos com elevada complexidade: an�lise do Programa Integrado Entrada da Cidade em Porto Alegre, RS. Ambiente Constru�do, 2011, 11, 73-87.	0.4	4
61	The Built Environment Influence on Resilient Healthcare: A Systematic Literature Review of Design Knowledge. Herd, 2022, 15, 329-350.	1.5	4
62	Avalia��o de requisitos de desempenho de Sistemas de Prote��o Perif�rica (SPP). Ambiente Constru�do, 2015, 15, 267-289.	0.4	3
63	Requirements for developing production planning and control systems for engineer-to-order industrialized building systems. Construction Management and Economics, 0, , 1-15.	3.0	3
64	Planejamento e controle integrado entre seguran�a e produ��o em processos cr�ticos na constru��o civil. Production, 2008, 18, 479-492.	1.3	2
65	Princ�pios para o projeto de sistemas de medi��o de desempenho em seguran�a e sa�de no trabalho: a perspectiva da engenharia de resili�ncia. Production, 2013, 23, 387-401.	1.3	2
66	Using conjoint analysis to understand customer preferences in customized low-income housebuilding projects. Ambiente Constru�do, 2020, 20, 247-262.	0.4	2
67	Guidelines for Devising and Assessing Visual Management Systems in Construction Sites. , 0, , .		2
68	Seguran�a e produ��o: um modelo para o planejamento e controle integrado. Production, 2002, 12, 60-71.	1.3	2
69	Guidelines for the Implementation of Mass Customization in Affordable House-Building Projects. Sustainability, 2022, 14, 4141.	3.2	2
70	Lean and BIM meet social sciences: new perspectives in construction engineering and management. Canadian Journal of Civil Engineering, 2020, 47, v-vi.	1.3	1
71	The Built Environment�s Influence on Resilience of Healthcare Services: Lessons Learnt From the Covid-19 Pandemic. , 0, , .		1
72	Project management and asset management in emerging economies. Built Environment Project and Asset Management, 2014, 4, .	1.6	1

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73	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. Ambiente Construído, 2015, 15, 87-104.	0.4	1
74	Diretrizes para a gestão de empreendimentos de construção complexos do mercado varejista com base na Lean Production e em Agile Project Management. Ambiente Construído, 2022, 22, 105-127.	0.4	1
75	Development of a Typology for Understanding Visual Management Concepts and Their Relationships. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	3.8	1
76	Diretrizes para planejar e controlar o processo de montagem de sistemas construtivos pré-fabricados de aço. Ambiente Construído, 2020, 20, 505-524.	0.4	0
77	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.	0.4	0
78	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.	0.4	0
79	BIM+Lean for integrating production and quality control at the construction site. Ambiente Construído, 2022, 22, 7-25.	0.4	0
80	Festschrift honouring Dr. Glenn Ballard. Construction Management and Economics, 2022, 40, 497-506.	3.0	0