Carlos T Formoso

List of Publications by Year
in descending order

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	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
2	The Built Environment Influence on Resilient Healthcare: A Systematic Literature Review of Design Knowledge. Herd, 2022, 15, 329-350.	1.5	4
3	Guidelines for the Implementation of Mass Customization in Affordable House-Building Projects. Sustainability, 2022, 14, 4141.	3.2	2
4	BIM+Lean for integrating production and quality control at the construction site. Ambiente ConstruÃdo, 2022, 22, 7-25.	0.4	0
5	Diretrizes para a gestÃ£o de empreendimentos de construÃ§Ã£o complexos do mercado varejista com base na Lean Production e em Agile Project Management. Ambiente ConstruÃdo, 2022, 22, 105-127.	0.4	1
6	Development of a Typology for Understanding Visual Management Concepts and Their Relationships. Journal of Construction Engineering and Management - ASCE, 2022, 148, .	3.8	1
7	Festschrift honouring Dr. Glenn Ballard. Construction Management and Economics, 2022, 40, 497-506.	3.0	0
8	Requirements in performance measurement systems of construction projects from the lean production perspective. Frontiers of Engineering Management, 2021, 8, 442-455.	6.1	9
9	Method for managing requirements in healthcare projects using building information modelling. Engineering, Construction and Architectural Management, 2021, 28, 2090-2118.	3.1	6
10	Automated compliance checking in healthcare building design. Automation in Construction, 2021, 129, 103822.	9.8	16
11	A systems thinking based method for assessing safety management best practices in construction. Safety Science, 2021, 141, 105345.	4.9	8
12	A resilience engineering-based framework for assessing safety performance measurement systems: A study in the construction industry. Safety Science, 2021, 142, 105364.	4.9	9
13	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
14	A semantic-based framework for automated rule checking in healthcare construction projects. Canadian Journal of Civil Engineering, 2020, 47, 202-214.	1.3	14
15	Monitoring complexity and resilience in construction projects: The contribution of safety performance measurement systems. Applied Ergonomics, 2020, 82, 102978.	3.1	49
16	A Customer Integration Framework for the Development of Mass Customised Housing Projects. Sustainability, 2020, 12, 8901.	3.2	6
17	Integrated modelling of built environment and functional requirements: Implications for resilience. Applied Ergonomics, 2020, 88, 103154.	3.1	23
18	A resilience engineering perspective of safety performance measurement systems: A systematic literature review. Safety Science, 2020, 130, 104864.	4.9	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.	1.3	1
20	Using Building Information Modelling to Manage Client Requirements in Social Housing Projects. Sustainability, 2020, 12, 2804.	3.2	14
21	MÃ©todo para planejamento e controle da produÃ§Ã£o baseado em zonas de trabalho com o apoio de BIM. Ambiente ConstruÃdo, 2020, 20, 129-151.	0.4	7
22	Using conjoint analysis to understand customer preferences in customized low-income housebuilding projects. Ambiente ConstruÃdo, 2020, 20, 247-262.	0.4	2
23	Diretrizes para planejar e controlar o processo de montagem de sistemas construtivos prÃ©-fabricados de aÃ§o. Ambiente ConstruÃdo, 2020, 20, 505-524.	0.4	0
24	Diretrizes para a definiÃ§Ã£o de lotes de montagem de sistemas prÃ©-fabricados de concreto do tipo engineer-to-order. Ambiente ConstruÃdo, 2020, 20, 105-127.	0.4	0
25	MÃ©todo para a avaliaÃ§Ã£o tÃ©cnica da qualidade pÃ³s-ocupaÃ§Ã£o de Ã¡reas de uso comum de habitaÃ§Ãµes de interesse social. Ambiente ConstruÃdo, 2020, 20, 171-194.	0.4	0
26	Model for Devising Visual Management Systems on Construction Sites. Journal of Construction Engineering and Management - ASCE, 2019, 145, 04018138.	3.8	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.	9.8	136
28	BIM 4D aplicado Ã gestÃ£o logÃstica: implementaÃ§Ã£o na montagem de sistemas prÃ©-fabricados de concreto engineer-to-order. Ambiente ConstruÃdo, 2018, 18, 173-192.	0.4	8
29	Planning and controlling design in engineered-to-order prefabricated building systems. Engineering, Construction and Architectural Management, 2018, 25, 134-152.	3.1	25
30	Improving transparency in construction management: a visual planning and control model. Engineering, Construction and Architectural Management, 2018, 25, 1277-1297.	3.1	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.	2.6	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.	8.8	19
34	Building information modelling to cut disruption in housing retrofit. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2017, 170, 322-333.	0.7	7
35	Using Modularity to Reduce Complexity of Industrialized Building Systems for Mass Customization. Energies, 2017, 10, 1622.	3.1	35
36	Resilience skills used by front-line workers to assemble precast concrete structures: an exploratory study. Ambiente ConstruÃdo, 2017, 17, 25-43.	0.4	8

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37	The identification and analysis of making-do waste: insights from two Brazilian construction sites. Ambiente ConstruÃdo, 2017, 17, 183-197.	0.4	9
38	Proposta de modelo para controle integrado da produÃ§Ã£o e da qualidade com apoio da computaÃ§Ã£o mÃ³vel. Ambiente ConstruÃdo, 2016, 16, 109-124.	0.4	4
39	Visual Management in Brazilian Construction Companies: Taxonomy and Guidelines for Implementation. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	31
40	Uso de modelagem 4D e Building Information Modeling na gestÃ£o de sistemas de produÃ§Ã£o em empreendimentos de construÃ§Ã£o. Ambiente ConstruÃdo, 2015, 15, 79-96.	0.4	18
41	Adopting Product Modularity in House Building to Support Mass Customisation. Sustainability, 2015, 7, 4919-4937.	3.2	31
42	AvaliaÃ§Ã£o de requisitos de desempenho de Sistemas de ProteÃ§Ã£o PerifÃ©rica (SPP). Ambiente ConstruÃdo, 2015, 15, 267-289.	0.4	3
43	Findings from the Analysis of Incident-Reporting Systems of Construction Companies. Journal of Construction Engineering and Management - ASCE, 2015, 141, .	3.8	8
44	The Role of Commitments in the Management of Construction Make-to-Order Supply Chains. Journal of Management in Engineering - ASCE, 2015, 31, .	4.8	22
45	Indicador de falhas de qualidade baseado na percepÃ§Ã£o dos usuÃ¡rios de HabitaÃ§Ã£o de Interesse Social. Ambiente ConstruÃdo, 2015, 15, 19-35.	0.4	5
46	Projeto de sistemas de produÃ§Ã£o na construÃ§Ã£o civil empregando simulaÃ§Ã£o no apoio Ã tomada de decisÃ£o. Ambiente ConstruÃdo, 2015, 15, 165-182.	0.4	5
47	Barreiras e oportunidades para a implementaÃ§Ã£o dos princÃpios de IPD e prÃ¡ticas de LPDS na gestÃ£o dos projetos de instalaÃ§Ãµes da indÃºstria de base brasileira. Ambiente ConstruÃdo, 2015, 15, 87-104.	0.4	1
48	A Method for Proposing Valued-Adding Attributes in Customized Housing. Sustainability, 2014, 6, 9244-9267.	3.2	20
49	Project management and asset management in emerging economies. Built Environment Project and Asset Management, 2014, 4, .	1.6	1
50	Modelagem de requisitos de clientes de empreendimentos habitacionais de interesse social com o uso de BIM. Ambiente ConstruÃdo, 2013, 13, 177-195.	0.4	5
51	PrincÃpios para o projeto de sistemas de mediÃ§Ã£o de desempenho em seguranÃ§a e saÃºde no trabalho: a perspectiva da engenharia de resiliÃªncia. Production, 2013, 23, 387-401.	1.3	2
52	IdentificaÃ§Ã£o de prÃ¡ticas de gestÃ£o da seguranÃ§a e saÃºde no trabalho em obras de construÃ§Ã£o civil. Ambiente ConstruÃdo, 2013, 13, 43-58.	0.4	10
53	MÃ©todo para avaliaÃ§Ã£o da qualidade de processos construtivos em empreendimentos habitacionais de interesse social. Ambiente ConstruÃdo, 2012, 12, 77-96.	0.4	6
54	Three Theoretical Perspectives for Understanding Inter-firm Coordination of Construction Project Supply Chains. Construction Economics and Building, 2011, 11, 1-17.	0.9	6

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55	Proposta de um protocolo para o processamento de requisitos do cliente em empreendimentos habitacionais de interesse social. Ambiente ConstruÃdo, 2011, 11, 21-37.	0.4	10
56	AvaliaÃ§Ã£o de empreendimentos habitacionais de interesse social com base na hierarquia de valor percebido pelo usuÃ¡rio. Ambiente ConstruÃdo, 2011, 11, 67-83.	0.4	9
57	Fatores-chave de sucesso para sistemas de indicadores de desempenho para benchmarking colaborativo entre empresas construtoras. Ambiente ConstruÃdo, 2011, 11, 143-159.	0.4	6
58	AnÃ¡lise de dados de reclamaÃ§Ãµes em empreendimentos habitacionais de interesse social: estudo no Programa de Arrendamento Residencial. Ambiente ConstruÃdo, 2011, 11, 151-166.	0.4	10
59	Desafios para a gestÃ£o de projetos urbanos com elevada complexidade: anÃ¡lise do Programa Integrado Entrada da Cidade em Porto Alegre, RS. Ambiente ConstruÃdo, 2011, 11, 73-87.	0.4	4
60	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
61	Redefining Healthcare Infrastructure: Moving toward Integrated Solutions. Herd, 2010, 3, 84-96.	1.5	6
62	An analysis of construction safety best practices from a cognitive systems engineering perspective. Safety Science, 2008, 46, 1169-1183.	4.9	100
63	Planejamento e controle integrado entre seguranÃ§a e produÃ§Ã£o em processos crÃticos na construÃ§Ã£o civil. Production, 2008, 18, 479-492.	1.3	2
64	Benchmarking Initiatives in the Construction Industry: Lessons Learned and Improvement Opportunities. Journal of Management in Engineering - ASCE, 2006, 22, 158-167.	4.8	90
65	Mass appraisal with genetic fuzzy ruleâ€based systems. Property Management, 2006, 24, 20-30.	0.8	47
66	A model for integrating cost management and production planning and control in construction. Journal of Financial Management of Property and Construction, 2006, 11, 75-90.	1.4	17
67	A new approach to spatial analysis in CAMA. Property Management, 2005, 23, 312-327.	0.8	7
68	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
69	Safety and production: an integrated planning and control model. Construction Management and Economics, 2004, 22, 159-169.	3.0	65
70	Os critÃ©rios competitivos da produÃ§Ã£o: um estudo exploratÃ³rio na construÃ§Ã£o de edificaÃ§Ãµes. RAC: Revista De AdministraÃ§Ã£o ContemporÃ¢nea, 2003, 7, 67-85.	0.4	9
71	A model for managing the product development process in house building. Engineering, Construction and Architectural Management, 2002, 9, 419-432.	3.1	5
72	AN EXPLORATORY STUDY ON THE APPLICABILITY OF PROCESS TRANSPARENCY IN CONSTRUCTION SITES. Journal of Construction Research, 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.	3.8	269
74	A model for managing the product development process in house building. Engineering, Construction and Architectural Management, 2002, 9, 419-432.	3.1	16
75	SeguranÃ§a e produÃ§Ã£o: um modelo para o planejamento e controle integrado. Production, 2002, 12, 60-71.	1.3	2
76	The Built EnvironmentÂ´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.	3.0	3