

Carlos Humberto Martins

List of Publications by Year in descending order

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48
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48
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citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral-torsional buckling of cellular beams according to the possible updating of EC3. Journal of Constructional Steel Research, 2019, 153, 222-242.	3.9	57
2	Numerical assessment of lateral distortional buckling in steel-concrete composite beams. Journal of Constructional Steel Research, 2020, 172, 106192.	3.9	40
3	Assessment of lateral distortional buckling resistance in welded I-beams. Journal of Constructional Steel Research, 2020, 166, 105924.	3.9	38
4	Lateral-torsional buckling resistance prediction model for steel cellular beams generated by Artificial Neural Networks (ANN). Thin-Walled Structures, 2022, 170, 108592.	5.3	37
5	Advances in composite beams with web openings and composite cellular beams. Journal of Constructional Steel Research, 2020, 172, 106182.	3.9	30
6	Lateral distortional buckling in steel-concrete composite beams: A review. Structures, 2020, 27, 1299-1312.	3.6	22
7	Reassessment of lateral torsional buckling in hot-holled I-beams. Structures, 2020, 26, 524-536.	3.6	22
8	Buckling and post-buckling analyses of composite cellular beams. Composite Structures, 2021, 262, 113616.	5.8	22
9	A parametric study of steel-concrete composite beams with hollow core slabs and concrete topping. Structures, 2020, 28, 276-296.	3.6	21
10	Numerical assessment of effective width in steel-concrete composite box girder bridges with partial interaction. Engineering Structures, 2021, 239, 112333.	5.3	21
11	The influence of structural imperfections on the LTB strength of I-beams. Structures, 2021, 29, 1173-1186.	3.6	20
12	LRFD for Lateral-Torsional Buckling Resistance of Cellular Beams. International Journal of Civil Engineering, 2020, 18, 303-323.	2.0	19
13	Steel-Concrete Composite Beams with Precast Hollow-Core Slabs: A Sustainable Solution. Sustainability, 2021, 13, 4230.	3.2	18
14	Assessment of web post buckling resistance in steel-concrete composite cellular beams. Thin-Walled Structures, 2021, 158, 106969.	5.3	17
15	The influence of structural and geometric imperfections on the LDB strength of steel-concrete composite beams. Thin-Walled Structures, 2021, 162, 107542.	5.3	17
16	Ultimate strength prediction of steel-concrete composite cellular beams with PCHCS. Engineering Structures, 2021, 236, 112082.	5.3	17
17	Stability behavior of Steel-concrete Composite Beams subjected to hogging moment. Thin-Walled Structures, 2021, 167, 108193.	5.3	16
18	Composite action on web-post buckling shear resistance of composite cellular beams with PCHCS and PCHCSCT. Engineering Structures, 2021, 246, 113065.	5.3	16

#	ARTICLE	IF	CITATIONS
19	Assessment of lateral-torsional buckling in steel I-beams with sinusoidal web openings. Thin-Walled Structures, 2022, 175, 109242.	5.3	14
20	Stability behavior of steel-concrete composite cellular beams subjected to hogging moment. Thin-Walled Structures, 2022, 173, 108987.	5.3	13
21	Effect of Web Post Width on Strength Capacity of Steel Beams with Web Openings: Experimental and Analytical Investigation. Practice Periodical on Structural Design and Construction, 2022, 27, .	1.3	13
22	Sensitivity Analysis of Composite Cellular Beams to Constitutive Material Models and Concrete Fracture. International Journal of Structural Stability and Dynamics, 2021, 21, 2150008.	2.4	11
23	A New Formula for Predicting Lateral Distortional Buckling Strength of I-Beams Subjected to Different Loading Conditions. International Journal of Structural Stability and Dynamics, 2022, 22, .	2.4	9
24	Simplified particle swarm optimization algorithm. Acta Scientiarum - Technology, 2012, 34, .	0.4	7
25	Numerical assessment of effective width in steel-concrete composite box girder bridges. Advances in Structural Engineering, 2021, 24, 977-994.	2.4	2
26	Avaliação da Utilização da Cinza de Bagaço de Cana-de-Açúcar na Confecção de Blocos de Concreto para Pavimentação. Revista Em Agronegocio E Meio Ambiente, 2015, 8, 39.	0.1	2
27	Characterization of Mixed Mortars with Partial Replacement of Sand with Sugarcane Bagasse Ash (SCBA). Open Journal of Civil Engineering, 2016, 06, 410-419.	0.5	2
28	Numerical Analysis of Physical and Geometrical Imperfections in Cellular Beams. Open Journal of Civil Engineering, 2017, 07, 116-129.	0.5	2
29	Avaliação da adição de cinzas do bagaço de cana-de-açúcar em argamassas mistas. Ambiente Construído, 2016, 16, 137-151.	0.4	2
30	AS CONDIÇÕES DE TRABALHO DOS CATADORES DE MATERIAIS RECICLÁVEIS EM ASSOCIAÇÃO DE MAMBORÁ-PR. Revista Percurso, 2015, 7, 165.	0.0	1
31	ANÁLISE DA ATIVIDADE POZOLÂNICA DA CINZA LEVE DO BAGAÇO DE CANA-DE-AÇÚCAR E SUA APLICAÇÃO NA PRODUÇÃO DE PAVERS. Revista Tecnológica, 2015, 24, 53.	0.1	1
32	Política Nacional de resíduos sólidos e logística reversa de lâmpadas fluorescentes pós-consumo: estudo de caso. GEPROS: Gestão Da Produção, Operações E Sistemas, 2016, 11, 29.	0.1	1
33	COMPOSIÇÃO GRAVIMÉTRICA DOS RESÍDUOS SÓLIDOS URBANOS DA COLETA CONVENCIONAL DE UM MUNICÍPIO DE PEQUENO PORTE. Tecno-Lógica, 2015, 20, 01.	0.1	1
34	Estruturas de porte pequeno em concreto armado: variáveis que influenciam a rigidez da estrutura. Ciencia and Engenharia/ Science and Engineering Journal, 2018, 26, 81-87.	0.1	1
35	Consideração da não-linearidade física para as vigas de concreto armado, pelo procedimento refinado da NB1. Acta Scientiarum - Technology, 2008, 30, .	0.4	0
36	Método de ANÁLISE HIERÁRQUICA APLICADO NO PLANEJAMENTO DE CONSTRUÇÕES EM SHOPPING CENTERS. Revista Tecnológica, 2015, 24, 65.	0.1	0

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37	Low-rise structures in reinforced concrete: approximation of material nonlinearity for global stability analysis. Revista IBRACON De Estruturas E Materiais, 2018, 11, 1-25.	0.6	0
38	Geometric optimization associated with the use of high-strength concrete in viaducts. Revista IBRACON De Estruturas E Materiais, 2019, 12, 23-30.	0.6	0
39	Waste tires and the burning of sugarcane bagasse in the manufacture of concrete pavers (pavers). Revista IBRACON De Estruturas E Materiais, 2019, 12, 608-637.	0.6	0
40	Investigaç�o das limita�es de deflex�o vertical em pontes p�nseis. Revista Principia, 0, , .	0.1	0
41	Quantifica�o da Emiss�o de CO2 para Pavers com Substitui�o Parcial de Areia por Cinza do Baga�o de Cana-de-A�car. Revista Em Agronegocio E Meio Ambiente, 2016, 9, 431.	0.1	0
42	Numerical Evaluation of the Axial Resistance Force in Steel Column Design. Current Journal of Applied Science and Technology, 2017, 24, 1-11.	0.3	0
43	UTILIZA�O DA CINZA LEVE E PESADA DO BAGA�O DE CANA-DE-A�CAR COMO ADITIVO MINERAL NA PRODU�O DE BLOCOS DE CONCRETO PARA PAVIMENTA�O. Revista Em Agronegocio E Meio Ambiente, 2017, 10, 1205.	0.1	0
44	Utiliza�o de res�duos industriais para produ�o de concreto sustent�vel [Use of industrial waste for the production of sustainable concrete]. REEC: Revista Eletr�nica De Engenharia Civil, 2018, 14, .	0.1	0
45	RESIST�NCIA SIMPLES � COMPRESS�O E M�DULO DE ELASTICIDADE DO CONCRETO PRODUZIDO COM SUBSTITUI�O PARCIAL DE AGREGADO MI�DO POR RES�DUOS PL�STICOS. Mix Sustent�vel, 2018, 4, 123-130.	0.0	0
46	Influ�ncia da largura efetiva no dimensionamento de pontes e viadutos mistos de a�o e concreto em se�o caix�o. Holos, 0, 3, 1-18.	0.0	0
47	Pontes mistas de a�o e concreto em se�o caix�o com protens�o externa: procedimentos de c�culo e de projeto. Revista Principia, 2020, 1, 181.	0.1	0
48	Avalia�o Num�rica Da Estabilidade El�stica De Cantoneiras Conectadas Pelas Abas Por Meio DE MEF E GBT. Brazilian Journal of Development, 2020, 6, 8042-8056.	0.1	0