Nuno Lopes

List of Publications by Year
in descending order

50 papers	754 citations	516710 16 h-index	552781 26 g-index
51 all docs	51 docs citations	51 times ranked	297 citing authors

#	Article	IF	Citations
1	Resistance of steel cross-sections with local buckling at elevated temperatures. Journal of Constructional Steel Research, 2015, 109, 101-114.	3.9	70
2	Statistical evaluation of the lateralâ€“torsional buckling resistance of steel I-beams, Part 1: Variability of the Eurocode 3 resistance model. Journal of Constructional Steel Research, 2009, 65, 818-831.	3.9	65
3	Numerical investigation of the lateralâ€“torsional buckling of beams with slender cross sections for the case of fire. Engineering Structures, 2016, 106, 410-421.	5.3	61
4	Parametric analysis of the lateralâ€“torsional buckling resistance of steel beams in case of fire. Fire Safety Journal, 2007, 42, 416-424.	3.1	56
5	Effective width method to account for the local buckling of steel thin plates at elevated temperatures. Thin-Walled Structures, 2014, 84, 134-149.	5.3	53
6	Lateral-torsional buckling of unrestrained steel beams under fire conditions: improvement of EC3 proposal. Computers and Structures, 2004, 82, 1737-1744.	4.4	37
7	Lateralâ€“torsional buckling of stainless steel I-beams in case of fire. Journal of Constructional Steel Research, 2008, 64, 1302-1309.	3.9	31
8	Numerical analysis of stainless steel beam-columns in case of fire. Fire Safety Journal, 2012, 50, 35-50.	3.1	31
9	Numerical modelling of steel beam-columns in case of fireâ€"comparisons with Eurocode 3. Fire Safety Journal, 2004, 39, 23-39.	3.1	28
10	The effect of non-uniform bending on the lateral stability of steel beams with slender cross-section at elevated temperatures. Engineering Structures, 2018, 163, 153-166.	5.3	27
11	Axially Loaded Stainless Steel Columns in Case of Fire. Journal of Structural Fire Engineering, 2010, 1, 43-60.	0.8	22
12	Buckling analysis of braced and unbraced steel frames exposed to fire. Engineering Structures, 2013, 49, 541-559.	5.3	19
13	Critical temperatures of class 4 cross-sections. Journal of Constructional Steel Research, 2016, 121, 370-382.	3.9	19
14	Elastic critical moment of beams with sinusoidally corrugated webs. Journal of Constructional Steel Research, 2017, 129, 185-194.	3.9	19
15	Numerical study of steel plate girders under shear loading at elevated temperatures. Journal of Constructional Steel Research, 2016, 117, 1-12.	3.9	17
16	Parametric study on austenitic stainless steel beam-columns with hollow sections under fire. Journal of Constructional Steel Research, 2019, 152, 274-283.	3.9	16
17	Numerical Modelling of Thin-Walled Stainless Steel Structural Elements in Case of Fire. Fire Technology, 2010, 46, 91-108.	3.0	15
18	Local buckling in laterally restrained steel beam-columns in case of fire. Journal of Constructional Steel Research, 2016, 122, 543-556.	3.9	15

#	Article	IF	Citations
19	New proposals for the design of steel beam-columns in case of fire, including a new approach for the lateralâ€"torsional buckling. Computers and Structures, 2004, 82, 1463-1472.	4.4	14
20	Ultimate shear strength of steel plate girders at normal and fire conditions. Thin-Walled Structures, 2019, 137, 318-330.	5.3	14
21	Shearâ€"bending interaction in steel plate girders subjected to elevated temperatures. Thin-Walled Structures, 2016, 104, 34-43.	5.3	13
22	A multi-objective analysis of a rural road network problem in the hilly regions of Nepal. Transportation Research, Part A: Policy and Practice, 2014, 64, 43-53.	4.2	11
23	Class 4 stainless steel I beams subjected to fire. Thin-Walled Structures, 2014, 83, 137-146.	5.3	11
24	Numerical modelling of steel plate girders at normal and elevated temperatures. Fire Safety Journal, 2016, 86, 1-15.	3.1	10
25	Fire resistance of walls made of soilâ€cement and Kraftterra compressed earth blocks. Fire and Materials, 2013, 37, 547-562.	2.0	9
26	Numerical study of fire resistance of stainless steel circular hollow section columns. Journal of Fire Sciences, 2020, 38, 156-172.	2.0	9
27	Design of steel plate girders subjected to shear buckling at ambient and elevated temperatures: Contribution from the flanges. Engineering Structures, 2017, 152, 437-451.	5.3	8
28	Behaviour and resistance of cold-formed steel beams with lipped channel sections under fire conditions. Journal of Structural Fire Engineering, 2016, 7, 365-387.	0.8	6
29	Buckling Analysis of Steel Frames Exposed to Natural Fire Scenarios. Structures, 2017, 10, 76-88.	3.6	6
30	Covering-Based Rural Road Network Methodology for Hilly Regions of Developing Countries: Application in Nepal. Journal of Transportation Engineering Part A: Systems, 2017, 143, 04016010.	1.4	6
31	Stability check of tapered steel beams in fire. Journal of Structural Fire Engineering, 2019, 10, 373-398.	0.8	5
32	The General Method for the fire design of slender I-section web-tapered columns. Thin-Walled Structures, 2020, 155, 106920.	5.3	5
33	Fire behaviour and resistance of cold-formed steel beams with sigma cross-sections. Journal of Structural Fire Engineering, 2021, 12, 446-470.	0.8	5
34	Stainless Steel Plate Girders Subjected to Shear Buckling at Normal and Elevated Temperatures. Fire Technology, 2017, 53, 815-843.	3.0	4
35	PARAMETRIC STUDY ON THE FIRE RESISTANCE OF STEEL COLUMNS WITH COLD-FORMED LIPPED CHANNEL SECTIONS. Applications of Structural Fire Engineering, 0, , .	0.3	3
36	SHEAR BUCKLING EVALUATION IN STEEL PLATE GIRDERS WITH RIGID END POSTS SUBJECTED TO ELEVATED TEMPERATURES. Applications of Structural Fire Engineering, 0, , .	0.3	2

#	Article	IF	Citations
37	General Method for the fire design of tapered steel columns: Outâ€ofâ€plane flexural buckling. Ce/Papers, 2019, 3, 677-682.	0.3	2
38	Design of stainless steel elliptical hollow sections columns in case of fire: parametric study. Ce/Papers, 2021, 4, 1437-1446.	0.3	2
39	The General Method for the fire design of I-section web-tapered beams. Thin-Walled Structures, 2021, 169, 108377.	5.3	2
40	Behaviour of limecrete under fire conditions. Fire and Materials, 2012, 36, 288-296.	2.0	1
41	10.09: Critical temperatures of members with class 4 cross-section. Ce/Papers, 2017, 1, 2582-2591.	0.3	1
42	Fire resistance of stainless steel slender elliptical hollow section beam-columns. Journal of Structural Fire Engineering, 2021, ahead-of-print, .	0.8	1
43	Transversally loaded stainless steel beams under fire: Local/global behaviour, strength and design. Journal of Constructional Steel Research, 2022, 189, 107080.	3.9	1
44	The General Method for the fire design of I-section web-tapered beamâ€"columns. Thin-Walled Structures, 2022, 174, 109108.	5.3	1
45	FIRE DESIGN OF STEEL BEAMS WITH SLENDER CROSS-SECTION, The influence of loading. Applications of Structural Fire Engineering, 0, , .	0.3	0
46	10.27: Contribution from the flanges to the shear buckling resistance of steel plate girders at normal and elevated temperatures. Ce/Papers, 2017, 1, 2746-2755.	0.3	0
47	The General Method for the fire design of Iâ€section webâ€tapered beams. Ce/Papers, 2021, 4, 1343-1352.	0.3	0
48	Fire design proposal for members with coldâ€formed lipped channel and sigma sections under compression. Ce/Papers, 2021, 4, 1447-1456.	0.3	0
49	Lateral-torsional buckling of ferritic stainless steel beams in case of fire. WIT Transactions on Engineering Sciences, 2007, , .	0.0	0
50	PARAMETRIC STUDY ON THE LATERAL TORSIONAL BUCKLING OF STAINLESS STEEL I BEAMS WITH CLASS 4 CROSS-SECTIONS IN CASE OF FIRE. Applications of Structural Fire Engineering, 0, , .	0.3	0