

# Nuno Lopes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7484754/publications.pdf>

Version: 2024-02-01

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	Transversally loaded stainless steel beams under fire: Local/global behaviour, strength and design. Journal of Constructional Steel Research, 2022, 189, 107080.	3.9	1
2	The General Method for the fire design of I-section web-tapered beam-column. Thin-Walled Structures, 2022, 174, 109108.	5.3	1
3	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
4	The General Method for the fire design of I-section web-tapered beams. Ce/Papers, 2021, 4, 1343-1352.	0.3	0
5	Design of stainless steel elliptical hollow sections columns in case of fire: parametric study. Ce/Papers, 2021, 4, 1437-1446.	0.3	2
6	Fire design proposal for members with cold-formed lipped channel and sigma sections under compression. Ce/Papers, 2021, 4, 1447-1456.	0.3	0
7	The General Method for the fire design of I-section web-tapered beams. Thin-Walled Structures, 2021, 169, 108377.	5.3	2
8	Fire resistance of stainless steel slender elliptical hollow section beam-columns. Journal of Structural Fire Engineering, 2021, ahead-of-print, .	0.8	1
9	The General Method for the fire design of slender I-section web-tapered columns. Thin-Walled Structures, 2020, 155, 106920.	5.3	5
10	Numerical study of fire resistance of stainless steel circular hollow section columns. Journal of Fire Sciences, 2020, 38, 156-172.	2.0	9
11	General Method for the fire design of tapered steel columns: Out-of-plane flexural buckling. Ce/Papers, 2019, 3, 677-682.	0.3	2
12	Ultimate shear strength of steel plate girders at normal and fire conditions. Thin-Walled Structures, 2019, 137, 318-330.	5.3	14
13	Stability check of tapered steel beams in fire. Journal of Structural Fire Engineering, 2019, 10, 373-398.	0.8	5
14	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
15	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
16	Buckling Analysis of Steel Frames Exposed to Natural Fire Scenarios. Structures, 2017, 10, 76-88.	3.6	6
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	10.09: Critical temperatures of members with class 4 cross-section. Ce/Papers, 2017, 1, 2582-2591.	0.3	1
21	Elastic critical moment of beams with sinusoidally corrugated webs. Journal of Constructional Steel Research, 2017, 129, 185-194.	3.9	19
22	Stainless Steel Plate Girders Subjected to Shear Buckling at Normal and Elevated Temperatures. Fire Technology, 2017, 53, 815-843.	3.0	4
23	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
24	Critical temperatures of class 4 cross-sections. Journal of Constructional Steel Research, 2016, 121, 370-382.	3.9	19
25	Numerical modelling of steel plate girders at normal and elevated temperatures. Fire Safety Journal, 2016, 86, 1-15.	3.1	10
26	Local buckling in laterally restrained steel beam-columns in case of fire. Journal of Constructional Steel Research, 2016, 122, 543-556.	3.9	15
27	Shear-bending interaction in steel plate girders subjected to elevated temperatures. Thin-Walled Structures, 2016, 104, 34-43.	5.3	13
28	Numerical investigation of the lateral-torsional buckling of beams with slender cross sections for the case of fire. Engineering Structures, 2016, 106, 410-421.	5.3	61
29	Numerical study of steel plate girders under shear loading at elevated temperatures. Journal of Constructional Steel Research, 2016, 117, 1-12.	3.9	17
30	Resistance of steel cross-sections with local buckling at elevated temperatures. Journal of Constructional Steel Research, 2015, 109, 101-114.	3.9	70
31	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
32	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
33	Class 4 stainless steel I beams subjected to fire. Thin-Walled Structures, 2014, 83, 137-146.	5.3	11
34	Fire resistance of walls made of soil-cement and Kraftterra compressed earth blocks. Fire and Materials, 2013, 37, 547-562.	2.0	9
35	Buckling analysis of braced and unbraced steel frames exposed to fire. Engineering Structures, 2013, 49, 541-559.	5.3	19
36	Behaviour of limecrete under fire conditions. Fire and Materials, 2012, 36, 288-296.	2.0	1

#	ARTICLE	IF	CITATIONS
37	Numerical analysis of stainless steel beam-columns in case of fire. <i>Fire Safety Journal</i> , 2012, 50, 35-50.	3.1	31
38	Axially Loaded Stainless Steel Columns in Case of Fire. <i>Journal of Structural Fire Engineering</i> , 2010, 1, 43-60.	0.8	22
39	Numerical Modelling of Thin-Walled Stainless Steel Structural Elements in Case of Fire. <i>Fire Technology</i> , 2010, 46, 91-108.	3.0	15
40	Statistical evaluation of the lateral-torsional buckling resistance of steel I-beams, Part 1: Variability of the Eurocode 3 resistance model. <i>Journal of Constructional Steel Research</i> , 2009, 65, 818-831.	3.9	65
41	Lateral-torsional buckling of stainless steel I-beams in case of fire. <i>Journal of Constructional Steel Research</i> , 2008, 64, 1302-1309.	3.9	31
42	Parametric analysis of the lateral-torsional buckling resistance of steel beams in case of fire. <i>Fire Safety Journal</i> , 2007, 42, 416-424.	3.1	56
43	Lateral-torsional buckling of ferritic stainless steel beams in case of fire. <i>WIT Transactions on Engineering Sciences</i> , 2007, , .	0.0	0
44	Numerical modelling of steel beam-columns in case of fire—comparisons with Eurocode 3. <i>Fire Safety Journal</i> , 2004, 39, 23-39.	3.1	28
45	Lateral-torsional buckling of unrestrained steel beams under fire conditions: improvement of EC3 proposal. <i>Computers and Structures</i> , 2004, 82, 1737-1744.	4.4	37
46	New proposals for the design of steel beam-columns in case of fire, including a new approach for the lateral-torsional buckling. <i>Computers and Structures</i> , 2004, 82, 1463-1472.	4.4	14
47	SHEAR BUCKLING EVALUATION IN STEEL PLATE GIRDERS WITH RIGID END POSTS SUBJECTED TO ELEVATED TEMPERATURES. <i>Applications of Structural Fire Engineering</i> , 0, , .	0.3	2
48	PARAMETRIC STUDY ON THE FIRE RESISTANCE OF STEEL COLUMNS WITH COLD-FORMED LIPPED CHANNEL SECTIONS. <i>Applications of Structural Fire Engineering</i> , 0, , .	0.3	3
49	FIRE DESIGN OF STEEL BEAMS WITH SLENDER CROSS-SECTION, The influence of loading. <i>Applications of Structural Fire Engineering</i> , 0, , .	0.3	0
50	PARAMETRIC STUDY ON THE LATERAL TORSIONAL BUCKLING OF STAINLESS STEEL I BEAMS WITH CLASS 4 CROSS-SECTIONS IN CASE OF FIRE. <i>Applications of Structural Fire Engineering</i> , 0, , .	0.3	0