

Dinar Camotim

List of Publications by Year in descending order

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269
papers

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283
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283
times ranked

1205
citing authors

#	ARTICLE	IF	CITATIONS
1	First-order generalised beam theory for arbitrary orthotropic materials. Thin-Walled Structures, 2002, 40, 755-789.	5.3	184
2	Second-order generalised beam theory for arbitrary orthotropic materials. Thin-Walled Structures, 2002, 40, 791-820.	5.3	155
3	A new approach to the calculation of cross-section deformation modes in the framework of generalized beam theory. Computational Mechanics, 2010, 46, 759-781.	4.0	137
4	GBTul 2.0 – A second-generation code for the GBT-based buckling and vibration analysis of thin-walled members. Thin-Walled Structures, 2018, 124, 235-257.	5.3	133
5	GBT formulation to analyse the buckling behaviour of thin-walled members with arbitrarily –branched– open cross-sections. Thin-Walled Structures, 2006, 44, 20-38.	5.3	104
6	A cross-section analysis procedure to rationalise and automate the performance of GBT-based structural analyses. Thin-Walled Structures, 2015, 92, 29-47.	5.3	96
7	GBT buckling analysis of thin-walled steel frames: A state-of-the-art report. Thin-Walled Structures, 2010, 48, 726-743.	5.3	95
8	NONLINEAR GENERALIZED BEAM THEORY FOR COLD-FORMED STEEL MEMBERS. International Journal of Structural Stability and Dynamics, 2003, 03, 461-490.	2.4	94
9	FEM-based analysis of the local-plate/distortional mode interaction in cold-formed steel lipped channel columns. Computers and Structures, 2007, 85, 1461-1474.	4.4	94
10	Non-linear behaviour and load-carrying capacity of CFRP-strengthened lipped channel steel columns. Engineering Structures, 2008, 30, 2613-2630.	5.3	88
11	First-order, buckling and post-buckling behaviour of GFRP pultruded beams. Part 1: Experimental study. Computers and Structures, 2011, 89, 2052-2064.	4.4	84
12	Lateral-torsional buckling of singly symmetric web-tapered thin-walled I-beams: 1D model vs. shell FEA. Computers and Structures, 2007, 85, 1343-1359.	4.4	81
13	GBT formulation to analyse the first-order and buckling behaviour of thin-walled members with arbitrary cross-sections. Thin-Walled Structures, 2009, 47, 583-600.	5.3	81
14	Geometrically non-linear generalised beam theory for elastoplastic thin-walled metal members. Thin-Walled Structures, 2012, 51, 121-129.	5.3	78
15	Web crippling failure using quasi-static FE models. Thin-Walled Structures, 2014, 84, 34-49.	5.3	76
16	Experimental investigation on cold-formed steel stiffened lipped channel columns undergoing local-distortional interaction. Thin-Walled Structures, 2020, 150, 106682.	5.3	76
17	On the arc-length and other quadratic control methods: Established, less known and new implementation procedures. Computers and Structures, 2008, 86, 1353-1368.	4.4	75
18	Post-buckling behaviour and direct strength design of lipped channel columns experiencing local/distortional interaction. Journal of Constructional Steel Research, 2012, 73, 12-30.	3.9	72

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19	On the differentiation of the Rodrigues formula and its significance for the vector-like parameterization of Reissner-Simo beam theory. International Journal for Numerical Methods in Engineering, 2002, 55, 1005-1032.	2.8	71
20	Global buckling analysis of plane and space thin-walled frames in the context of GBT. Thin-Walled Structures, 2008, 46, 79-101.	5.3	68
21	Lateral-Torsional Buckling of Singly Symmetric Tapered Beams: Theory and Applications. Journal of Engineering Mechanics - ASCE, 2005, 131, 586-597.	2.9	67
22	On the shear deformation modes in the framework of Generalized Beam Theory. Thin-Walled Structures, 2014, 84, 325-334.	5.3	64
23	A large displacement and finite rotation thin-walled beam formulation including cross-section deformation. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1627-1643.	6.6	63
24	Experimental investigation on cold-formed steel lipped channel beams affected by local-distortional interaction under non-uniform bending. Thin-Walled Structures, 2021, 161, 107494.	5.3	63
25	On the local and global buckling behaviour of angle, T-section and cruciform thin-walled members. Thin-Walled Structures, 2010, 48, 786-797.	5.3	62
26	GENERALIZED BEAM THEORY REVISITED: FROM THE KINEMATICAL ASSUMPTIONS TO THE DEFORMATION MODE DETERMINATION. International Journal of Structural Stability and Dynamics, 2011, 11, 969-997.	2.4	62
27	GBT buckling analysis of pultruded FRP lipped channel members. Computers and Structures, 2003, 81, 1889-1904.	4.4	61
28	Post-buckling behaviour and strength of cold-formed steel lipped channel columns experiencing distortional/global interaction. Computers and Structures, 2011, 89, 422-434.	4.4	59
29	Cold-Formed Steel Lipped Channel Columns Influenced by Local-Distortional Interaction: Strength and DSM Design. Journal of Structural Engineering, 2013, 139, 1059-1074.	3.4	59
30	Local/distortional mode interaction in cold-formed steel lipped channel beams. Thin-Walled Structures, 2010, 48, 771-785.	5.3	58
31	A novel DSM-based approach for the rational design of fixed-ended and pin-ended short-to-intermediate thin-walled angle columns. Thin-Walled Structures, 2015, 87, 158-182.	5.3	58
32	Generalised beam theory-based finite elements for elastoplastic thin-walled metal members. Thin-Walled Structures, 2011, 49, 1237-1245.	5.3	54
33	Distortional buckling formulae for cold-formed steel C and Z-section members. Thin-Walled Structures, 2004, 42, 1567-1597.	5.3	53
34	GBT-based buckling analysis of thin-walled members with non-standard support conditions. Thin-Walled Structures, 2008, 46, 800-815.	5.3	53
35	Local-Plate and Distortional Postbuckling Behavior of Cold-Formed Steel Lipped Channel Columns with Intermediate Stiffeners. Journal of Structural Engineering, 2006, 132, 529-540.	3.4	52
36	Experimental investigation concerning lipped channel columns undergoing local-distortional-global buckling mode interaction. Thin-Walled Structures, 2012, 54, 19-34.	5.3	52

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37	Local and global vibration of thin-walled members subjected to compression and non-uniform bending. <i>Journal of Sound and Vibration</i> , 2008, 315, 509-535.	3.9	50
38	Direct strength prediction of web crippling failure of beams under ETF loading. <i>Thin-Walled Structures</i> , 2016, 98, 360-374.	5.3	50
39	On the mechanics of thin-walled angle column instability. <i>Thin-Walled Structures</i> , 2012, 52, 80-89.	5.3	48
40	Developments on the Design of Cold-Formed Steel Angles. <i>Journal of Structural Engineering</i> , 2013, 139, 680-694.	3.4	48
41	Short-to-intermediate slender pin-ended cold-formed steel equal-leg angle columns: Experimental investigation, numerical simulations and DSM design. <i>Engineering Structures</i> , 2017, 132, 471-493.	5.3	48
42	Local-distortional interaction in cold-formed steel rack-section columns. <i>Thin-Walled Structures</i> , 2014, 81, 185-194.	5.3	47
43	GBT local and global buckling analysis of aluminium and stainless steel columns. <i>Computers and Structures</i> , 2004, 82, 1473-1484.	4.4	46
44	GBT-based structural analysis of elastic-plastic thin-walled members. <i>Computers and Structures</i> , 2014, 136, 1-23.	4.4	45
45	Post-buckling analysis of thin-walled steel frames using generalised beam theory (GBT). <i>Thin-Walled Structures</i> , 2013, 62, 229-242.	5.3	44
46	Uniformly bent CFS lipped channel beams experiencing local-distortional interaction: Experimental investigation. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106098.	3.9	44
47	Buckling analysis of thin-walled steel structures using generalized beam theory (GBT): state-of-the-art report. <i>Steel Construction</i> , 2013, 6, 117-131.	0.8	43
48	GBT FORMULATION TO ANALYZE THE BUCKLING BEHAVIOR OF THIN-WALLED MEMBERS SUBJECTED TO NON-UNIFORM BENDING. <i>International Journal of Structural Stability and Dynamics</i> , 2007, 07, 23-54.	2.4	41
49	On the evaluation of elastic critical moments in doubly and singly symmetric I-section cantilevers. <i>Journal of Constructional Steel Research</i> , 2007, 63, 894-908.	3.9	41
50	Deformation modes of thin-walled members: A comparison between the method of Generalized Eigenvectors and Generalized Beam Theory. <i>Thin-Walled Structures</i> , 2016, 100, 192-212.	5.3	41
51	Distortional failure of cold-formed steel beams under uniform bending: Behaviour, strength and DSM design. <i>Thin-Walled Structures</i> , 2017, 118, 196-213.	5.3	41
52	Local-distortional-global interaction in lipped channel columns: Experimental results, numerical simulations and design considerations. <i>Thin-Walled Structures</i> , 2012, 61, 2-13.	5.3	40
53	Computational modelling of flange crushing in cold-formed steel sections. <i>Thin-Walled Structures</i> , 2014, 84, 393-405.	5.3	40
54	On the relevance of local-distortional interaction effects in the behaviour and design of cold-formed steel columns. <i>Computers and Structures</i> , 2015, 160, 57-89.	4.4	40

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55	Distortional buckling formulae for cold-formed steel C- and Z-section members. Thin-Walled Structures, 2004, 42, 1599-1629.	5.3	39
56	Shear Deformable Generalized Beam Theory for the Analysis of Thin-Walled Composite Members. Journal of Engineering Mechanics - ASCE, 2013, 139, 1010-1024.	2.9	39
57	Elastic buckling of uniformly compressed thin-walled regular polygonal tubes. Thin-Walled Structures, 2013, 71, 35-45.	5.3	38
58	GBT formulation to analyse the buckling behaviour of FRP composite open-section thin-walled columns. Composite Structures, 2010, 93, 79-92.	5.8	37
59	Coupled instabilities with distortional buckling in cold-formed steel lipped channel columns. Thin-Walled Structures, 2011, 49, 562-575.	5.3	36
60	Torsion warping transmission at thin-walled frame joints: Kinematics, modelling and structural response. Journal of Constructional Steel Research, 2012, 69, 39-53.	3.9	35
61	Cold-formed steel columns undergoing local-distortional coupling: Behaviour and direct strength prediction against interactive failure. Computers and Structures, 2015, 147, 181-208.	4.4	35
62	Web crippling of beams under ITF loading: A novel DSM-based design approach. Journal of Constructional Steel Research, 2017, 128, 812-824.	3.9	35
63	GBT buckling analysis of generally loaded thin-walled members with arbitrary flat-walled cross-sections. Thin-Walled Structures, 2018, 123, 11-24.	5.3	35
64	First-order, buckling and post-buckling behaviour of GFRP pultruded beams. Part 2: Numerical simulation. Computers and Structures, 2011, 89, 2065-2078.	4.4	34
65	On the direct strength design of cold-formed steel columns failing in local-distortional interactive modes. Thin-Walled Structures, 2017, 120, 432-445.	5.3	34
66	Review: Interactive behaviour, failure and DSM design of cold-formed steel members prone to distortional buckling. Thin-Walled Structures, 2018, 128, 12-42.	5.3	34
67	Physically non-linear GBT analysis of thin-walled members. Computers and Structures, 2013, 129, 148-165.	4.4	33
68	Mode interaction in thin-walled equal-leg angle columns. Thin-Walled Structures, 2014, 81, 138-149.	5.3	33
69	GBT-based local, distortional and global buckling analysis of thin-walled steel frames. Thin-Walled Structures, 2009, 47, 1246-1264.	5.3	32
70	Localized web buckling analysis of beams subjected to concentrated loads using GBT. Thin-Walled Structures, 2012, 61, 27-41.	5.3	32
71	On the Direct Strength Method (DSM) design of cold-formed steel columns against distortional failure. Thin-Walled Structures, 2013, 67, 168-187.	5.3	32
72	Local-distortional interaction in cold-formed steel beams: Behaviour, strength and DSM design. Thin-Walled Structures, 2017, 119, 879-901.	5.3	32

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73	Dynamic analysis of thin-walled members using Generalised Beam Theory (GBT). Thin-Walled Structures, 2013, 72, 188-205.	5.3	31
74	Numerical investigation and direct strength design of cold-formed steel lipped channel columns experiencing localâ€“distortionalâ€“global interaction. Thin-Walled Structures, 2016, 105, 231-247.	5.3	31
75	On the influence of local-distortional interaction in the behaviour and design of cold-formed steel web-stiffened lipped channel columns. Thin-Walled Structures, 2016, 101, 181-204.	5.3	30
76	Steel-concrete composite bridge analysis using generalised beam theory. Steel and Composite Structures, 2010, 10, 223-243.	1.3	30
77	On the mechanics of distortion in thin-walled open sections. Thin-Walled Structures, 2010, 48, 469-481.	5.3	29
78	Non-linear GBT formulation for open-section thin-walled members with arbitrary support conditions. Computers and Structures, 2011, 89, 1906-1919.	4.4	29
79	Distortional failure and DSM design of cold-formed steel lipped channel beams under elevated temperatures. Thin-Walled Structures, 2016, 98, 75-93.	5.3	29
80	GBT-based finite element to assess the buckling behaviour of steelâ€“concrete composite beams. Thin-Walled Structures, 2016, 107, 207-220.	5.3	28
81	Thin-walled member plastic bifurcation analysis using generalised beam theory. Advances in Engineering Software, 2007, 38, 637-646.	3.8	27
82	Glass Fibre Reinforced Polymer Pultruded Flexural Members: Assessment of Existing Design Methods. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2010, 20, 362-369.	0.8	27
83	GBT-based assessment of the buckling behaviour of cold-formed steel purlins restrained by sheeting. Thin-Walled Structures, 2013, 72, 217-229.	5.3	27
84	On the strength and DSM design of cold-formed steel web/flange-stiffened lipped channel columns buckling and failing in distortional modes. Thin-Walled Structures, 2016, 105, 248-265.	5.3	26
85	Enhanced Geometrically Nonlinear Generalized Beam Theory Formulation: Derivation, Numerical Implementation, and Illustration. Journal of Engineering Mechanics - ASCE, 2018, 144, .	2.9	26
86	Numerical Analysis of Thin-Walled Structures using Generalised Beam Theory: Recent and Future Developments. Computational Technology Reviews, 2010, 1, 315-354.	0.6	26
87	Asymptotic-Numerical Method to Analyze the Postbuckling Behavior, Imperfection-Sensitivity, and Mode Interaction in Frames. Journal of Engineering Mechanics - ASCE, 2005, 131, 617-632.	2.9	25
88	Behaviour and DSM design of stiffened lipped channel columns undergoing local-distortional interaction. Journal of Constructional Steel Research, 2017, 128, 99-118.	3.9	25
89	On the distortional-global interaction in cold-formed steel columns: Relevance, post-buckling behaviour, strength and DSM design. Journal of Constructional Steel Research, 2018, 145, 449-470.	3.9	25
90	CFS lipped channel columns affected by L-D-G interaction. Part I: Experimental investigation. Computers and Structures, 2018, 207, 219-232.	4.4	25

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91	AN ANALYTICAL STUDY ON THE LATERAL-TORSIONAL BUCKLING OF LINEARLY TAPERED CANTILEVER STRIP BEAMS. International Journal of Structural Stability and Dynamics, 2007, 07, 441-456.	2.4	24
92	LOCAL/DISTORTIONAL/GLOBAL MODE INTERACTION IN SIMPLY SUPPORTED COLD-FORMED STEEL LIPPED CHANNEL COLUMNS. International Journal of Structural Stability and Dynamics, 2011, 11, 877-902.	2.4	24
93	A physically non-linear GBT-based finite element for steel and steel-concrete beams including shear lag effects. Thin-Walled Structures, 2015, 90, 202-215.	5.3	24
94	Improving the efficiency of GBT displacement-based finite elements. Thin-Walled Structures, 2017, 111, 165-175.	5.3	24
95	On the application of beam-column interaction formulae to steel members with arbitrary loading and support conditions. Journal of Constructional Steel Research, 2004, 60, 433-450.	3.9	23
96	Buckling behaviour of thin-walled regular polygonal tubes subjected to bending or torsion. Thin-Walled Structures, 2013, 73, 185-197.	5.3	23
97	First-order generalised beam theory for curved thin-walled members with circular axis. Thin-Walled Structures, 2016, 107, 345-361.	5.3	23
98	On the mechanics of local-distortional interaction in thin-walled lipped channel columns. Thin-Walled Structures, 2018, 125, 187-202.	5.3	23
99	On the mechanics of local-distortional interaction in thin-walled lipped channel beams. Thin-Walled Structures, 2018, 128, 108-125.	5.3	23
100	Work-conjugacy between rotation-dependent moments and finite rotations. International Journal of Solids and Structures, 2003, 40, 2851-2873.	2.7	22
101	On the incorporation of equivalent member imperfections in the in-plane design of steel frames. Journal of Constructional Steel Research, 2005, 61, 1226-1240.	3.9	22
102	GBT-BASED LOCAL AND GLOBAL VIBRATION ANALYSIS OF LOADED COMPOSITE OPEN-SECTION THIN-WALLED MEMBERS. International Journal of Structural Stability and Dynamics, 2006, 06, 1-29.	2.4	22
103	Incorporation of wall finite relative rotations in a geometrically exact thin-walled beam element. Computational Mechanics, 2011, 48, 229-244.	4.0	22
104	On the behaviour of thin-walled steel regular polygonal tubular members. Thin-Walled Structures, 2013, 62, 191-205.	5.3	22
105	Strength, interactive failure and design of web-stiffened lipped channel columns exhibiting distortional buckling. Thin-Walled Structures, 2014, 81, 195-209.	5.3	22
106	GBT deformation modes for curved thin-walled cross-sections based on a mid-line polygonal approximation. Thin-Walled Structures, 2016, 103, 231-243.	5.3	22
107	Proposal to Improve the DSM Design of Cold-Formed Steel Angle Columns: Need, Background, Quality Assessment, and Illustration. Journal of Structural Engineering, 2019, 145, .	3.4	22
108	On the direct strength method design of columns against global failures. Thin-Walled Structures, 2019, 139, 242-270.	5.3	22

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109	Behaviour and design of fixed-ended steel equal-leg angle section columns. Journal of Constructional Steel Research, 2021, 182, 106649.	3.9	22
110	GBT-based semi-analytical solutions for the plastic bifurcation of thin-walled members. International Journal of Solids and Structures, 2010, 47, 34-50.	2.7	21
111	GBT-BASED BUCKLING ANALYSIS OF THIN- WALLED STEEL FRAMES WITH ARBITRARY LOADING AND SUPPORT CONDITIONS. International Journal of Structural Stability and Dynamics, 2010, 10, 363-385.	2.4	21
112	Distortional-global interaction in lipped channel and zed-section beams: Strength, relevance and DSM design. Thin-Walled Structures, 2018, 129, 289-308.	5.3	21
113	Combining shell and GBT-based finite elements: Linear and bifurcation analysis. Thin-Walled Structures, 2020, 152, 106665.	5.3	21
114	Buckling, Postbuckling, Strength, and DSM Design of Cold-Formed Steel Continuous Lipped Channel Beams. Journal of Structural Engineering, 2013, 139, 657-668.	3.4	20
115	The vibration behaviour of thin-walled regular polygonal tubes. Thin-Walled Structures, 2014, 84, 177-188.	5.3	20
116	Deformation modes for the post-critical analysis of thin-walled compressed members by a Koiter semi-analytic approach. International Journal of Solids and Structures, 2017, 110-111, 367-384.	2.7	20
117	On the mechanics of distortional-global interaction in fixed-ended columns. Thin-Walled Structures, 2018, 123, 162-184.	5.3	20
118	GBT-based elastic-plastic post-buckling analysis of stainless steel thin-walled members. Thin-Walled Structures, 2014, 83, 85-102.	5.3	19
119	CFS lipped channel columns affected by L-D-G interaction. Part II: Numerical simulations and design considerations. Computers and Structures, 2018, 207, 200-218.	4.4	19
120	Lateral-torsional buckling of prismatic and tapered thin-walled open beams: assessing the influence of pre-buckling deflections. Steel and Composite Structures, 2004, 4, 281-301.	1.3	19
121	Vibration behaviour of axially compressed cold-formed steel members. Steel and Composite Structures, 2006, 6, 221-236.	1.3	19
122	Elastic lateral-torsional buckling of restrained web-tapered I-beams. Computers and Structures, 2010, 88, 1179-1196.	4.4	18
123	Numerical simulation and design of stainless steel columns under fire conditions. Engineering Structures, 2021, 229, 111628.	5.3	18
124	On the use of the EC3 and AISI specifications to estimate the ultimate load of CFRP-strengthened cold-formed steel lipped channel columns. Thin-Walled Structures, 2009, 47, 1102-1111.	5.3	17
125	Direct strength method—a general approach for the design of cold-formed steel structures. , 2016, , 69-105.		17
126	A geometrically exact beam finite element for curved thin-walled bars with deformable cross-section. Computer Methods in Applied Mechanics and Engineering, 2021, 381, 113804.	6.6	17

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127	Distortionalâ€‘global interaction in lipped channel columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2013, 166, 381-391.	0.8	16
128	Buckling Analysis of Thin-Walled Steel Structural Systems Using Generalized Beam Theory (GBT). International Journal of Structural Stability and Dynamics, 2015, 15, 1540004.	2.4	16
129	Dynamic analysis of high-speed railway bridge decks using generalised beam theory. Thin-Walled Structures, 2017, 114, 22-31.	5.3	16
130	Generalised beam theory (GBT) formulation to analyse the vibration behaviour of thin-walled steel frames. Thin-Walled Structures, 2018, 127, 259-274.	5.3	16
131	GBT-based Structural Analysis of Thin-walled members: Overview, Recent Progress and Future Developments. , 2006, , 187-204.		16
132	Modal decomposition of thin-walled member collapse mechanisms. Thin-Walled Structures, 2014, 74, 269-291.	5.3	15
133	Buckling and Vibration Analysis of Cold-Formed Steel CHS Members and Frames Using Generalized Beam Theory. International Journal of Structural Stability and Dynamics, 2015, 15, 1540021.	2.4	15
134	GBT-based assessment of the mechanics of distortional-global interaction in thin-walled lipped channel beams. Thin-Walled Structures, 2018, 124, 32-47.	5.3	15
135	Combining shell and GBT-based finite elements: Plastic analysis with adaptive mesh refinement. Thin-Walled Structures, 2021, 158, 107205.	5.3	15
136	On the behaviour, failure and direct strength design of thin-walled steel structural systems. Thin-Walled Structures, 2014, 81, 50-66.	5.3	14
137	DSM to predict distortional failures in cold-formed steel columns exposed to fire: Effect of the constitutive law temperature-dependence. Computers and Structures, 2015, 147, 47-67.	4.4	14
138	GBT-based cross-section deformation modes for curved thin-walled members with circular axis. Thin-Walled Structures, 2018, 127, 769-780.	5.3	14
139	DSM Design of Cold-Formed Steel Columns Failing in Distortional Modes at Elevated Temperatures. International Journal of Steel Structures, 2019, 19, 1023-1041.	1.3	14
140	Behavior, Failure, and Direct Strength Method Design of Steel Angle Columns: Geometrical Simplicity versus Structural Complexity. Journal of Structural Engineering, 2020, 146, .	3.4	14
141	Flexural-Torsional Buckling of Cantilever Strip Beam-Columns with Linearly Varying Depth. Journal of Engineering Mechanics - ASCE, 2010, 136, 787-800.	2.9	13
142	On The Distortional Buckling, Post-Buckling And Strength of Cold-Formed Steel Lipped Channel Columns Under Fire Conditions. Journal of Structural Fire Engineering, 2011, 2, 1-19.	0.8	13
143	Enhanced generalised beam theory buckling formulation to handle transverse load application effects. International Journal of Solids and Structures, 2013, 50, 531-547.	2.7	13
144	Distortional buckling formulae for cold-formed steel rack-section members. Steel and Composite Structures, 2004, 4, 49-75.	1.3	13

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145	GBT post-buckling analysis based on the Implicit Corotational Method. International Journal of Solids and Structures, 2019, 163, 40-60.	2.7	12
146	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 186-207.	0.8	12
147	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 165-185.	0.8	12
148	Elastic buckling and second-order behaviour of pitched-roof steel frames. Journal of Constructional Steel Research, 2007, 63, 804-818.	3.9	11
149	Some thoughts on a surprising result concerning the lateral-torsional buckling of monosymmetric I-section beams. Thin-Walled Structures, 2012, 60, 216-221.	5.3	11
150	GBT-based buckling analysis of steel cylindrical shells under combinations of compression and external pressure. Thin-Walled Structures, 2019, 144, 106274.	5.3	11
151	Improving the Direct Strength Method prediction of column flexural-torsional failure loads. Thin-Walled Structures, 2020, 148, 106461.	5.3	11
152	Cold-formed steel columns under L-DC interaction. Steel Construction, 2014, 7, 193-198.	0.8	10
153	On the local buckling of RHS members under axial force and biaxial bending. Thin-Walled Structures, 2018, 129, 10-19.	5.3	10
154	GBT-based time-dependent analysis of steel-concrete composite beams including shear lag and concrete cracking effects. Thin-Walled Structures, 2020, 150, 106706.	5.3	10
155	Combining shell and GBT-based finite elements: Vibration and dynamic analysis. Thin-Walled Structures, 2021, 167, 108187.	5.3	10
156	On the distortional post-buckling behaviour of cold-formed lipped channel steel beams. , 2002, , 331-339.		9
157	ON THE USE OF GENERALIZED BEAM THEORY TO ASSESS THE BUCKLING AND POSTBUCKLING BEHAVIOR OF LAMINATED CFRP CYLINDRICAL STIFFENED PANELS. International Journal of Structural Stability and Dynamics, 2010, 10, 737-760.	2.4	9
158	A visco-elastic GBT-based finite element for steel-concrete composite beams. Thin-Walled Structures, 2019, 145, 106440.	5.3	9
159	Design of simply supported hot-rolled steel short-to-intermediate angle columns. Steel Construction, 2019, 12, 278-290.	0.8	9
160	On the use of spring models to analyse the lateral-torsional buckling behaviour of cracked beams. Thin-Walled Structures, 2013, 73, 121-130.	5.3	8
161	Local "Distortional Interaction in Cold-formed Steel Columns: Mechanics, Testing, Numerical Simulation and Design. Structures, 2015, 4, 38-57.	3.6	8
162	13.11: DSM design approach for hot-rolled steel angle columns. Ce/Papers, 2017, 1, 3781-3790.	0.3	8

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163	On the local and distortional post-buckling behaviour of thin-walled regular polygonal tubular columns. Thin-Walled Structures, 2019, 138, 46-63.	5.3	8
164	Distortional strength of end-bolted CFS lipped channel columns: Experimental investigation, numerical simulations and DSM design. Thin-Walled Structures, 2020, 148, 106469.	5.3	8
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