Nuno Silvestre

List of Publications by Year
in descending order

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199 papers	5,508 citations	71061 41 h-index	118793 62 g-index
213 all docs	213 docs citations	213 times ranked	2423 citing authors

#	Article	IF	Citations
1	First-order generalised beam theory for arbitrary orthotropic materials. Thin-Walled Structures, 2002, 40, 755-789.	2.7	184
2	Second-order generalised beam theory for arbitrary orthotropic materials. Thin-Walled Structures, 2002, 40, 791-820.	2.7	155
3	Review on concrete nanotechnology. European Journal of Environmental and Civil Engineering, 2016, 20, 455-485.	1.0	146
4	Compressive behavior of CNT-reinforced aluminum composites using molecular dynamics. Composites Science and Technology, 2014, 90, 16-24.	3.8	134
5	Generalised beam theory to analyse the buckling behaviour of circular cylindrical shells and tubes. Thin-Walled Structures, 2007, 45, 185-198.	2.7	109
6	GBT formulation to analyse the buckling behaviour of thin-walled members with arbitrarily â€˜branchedâ€™ open cross-sections. Thin-Walled Structures, 2006, 44, 20-38.	2.7	104
7	Tests and design of short steel tubes filled with rubberised concrete. Engineering Structures, 2016, 112, 274-286.	2.6	104
8	Buckling behaviour of elliptical cylindrical shells and tubes under compression. International Journal of Solids and Structures, 2008, 45, 4427-4447.	1.3	103
9	GBT buckling analysis of thin-walled steel frames: A state-of-the-art report. Thin-Walled Structures, 2010, 48, 726-743.	2.7	95
10	NONLINEAR GENERALIZED BEAM THEORY FOR COLD-FORMED STEEL MEMBERS. International Journal of Structural Stability and Dynamics, 2003, 03, 461-490.	1.5	94
11	FEM-based analysis of the local-plate/distortional mode interaction in cold-formed steel lipped channel columns. Computers and Structures, 2007, 85, 1461-1474.	2.4	94
12	Comparative study between XFEM and Hashin damage criterion applied to failure of composites. Thin-Walled Structures, 2017, 115, 277-288.	2.7	93
13	Non-linear behaviour and load-carrying capacity of CFRP-strengthened lipped channel steel columns. Engineering Structures, 2008, 30, 2613-2630.	2.6	88
14	First-order, buckling and post-buckling behaviour of GFRP pultruded beams. Part 1: Experimental study. Computers and Structures, 2011, 89, 2052-2064.	2.4	84
15	Sanders shell model for buckling of single-walled carbon nanotubes with small aspect ratio. Composite Structures, 2011, 93, 1683-1691.	3.1	80
16	Web crippling failure using quasi-static FE models. Thin-Walled Structures, 2014, 84, 34-49.	2.7	76
17	Post-buckling behaviour and direct strength design of lipped channel columns experiencing local/distortional interaction. Journal of Constructional Steel Research, 2012, 73, 12-30.	1.7	72
18	Creep behavior of pultruded GFRP elements â€“ Part 1: Literature review and experimental study. Composite Structures, 2011, 93, 2450-2459.	3.1	70

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19	Global buckling analysis of plane and space thin-walled frames in the context of GBT. Thin-Walled Structures, 2008, 46, 79-101.	2.7	68
20	On the local and global buckling behaviour of angle, T-section and cruciform thin-walled members. Thin-Walled Structures, 2010, 48, 786-797.	2.7	62
21	GENERALIZED BEAM THEORY REVISITED: FROM THE KINEMATICAL ASSUMPTIONS TO THE DEFORMATION MODE DETERMINATION. International Journal of Structural Stability and Dynamics, 2011, 11, 969-997.	1.5	62
22	Experimental and numerical study on the structural behavior of eccentrically loaded GFRP columns. Thin-Walled Structures, 2013, 72, 175-187.	2.7	62
23	An Overview on the Improvement of Mechanical Properties of Ceramics Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-13.	1.5	62
24	GBT buckling analysis of pultruded FRP lipped channel members. Computers and Structures, 2003, 81, 1889-1904.	2.4	61
25	Cold-Formed Steel Lipped Channel Columns Influenced by Local-Distortional Interaction: Strength and DSM Design. Journal of Structural Engineering, 2013, 139, 1059-1074.	1.7	59
26	Experimental study on short rubberized concrete-filled steel tubes under cyclic loading. Composite Structures, 2016, 136, 394-404.	3.1	58
27	On the accuracy of shell models for torsional buckling of carbon nanotubes. European Journal of Mechanics, A/Solids, 2012, 32, 103-108.	2.1	56
28	Finite element modelling of short steel tubes filled with rubberized concrete. Composite Structures, 2016, 150, 28-40.	3.1	55
29	Distortional buckling formulae for cold-formed steel C and Z-section members. Thin-Walled Structures, 2004, 42, 1567-1597.	2.7	53
30	GBT-based buckling analysis of thin-walled members with non-standard support conditions. Thin-Walled Structures, 2008, 46, 800-815.	2.7	53
31	Local-Plate and Distortional Postbuckling Behavior of Cold-Formed Steel Lipped Channel Columns with Intermediate Stiffeners. Journal of Structural Engineering, 2006, 132, 529-540.	1.7	52
32	Local and global vibration of thin-walled members subjected to compression and non-uniform bending. Journal of Sound and Vibration, 2008, 315, 509-535.	2.1	50
33	Direct strength prediction of web crippling failure of beams under ETF loading. Thin-Walled Structures, 2016, 98, 360-374.	2.7	50
34	On the mechanics of thin-walled angle column instability. Thin-Walled Structures, 2012, 52, 80-89.	2.7	48
35	Developments on the Design of Cold-Formed Steel Angles. Journal of Structural Engineering, 2013, 139, 680-694.	1.7	48
36	Polymer nanocomposites for structural applications: Recent trends and new perspectives. Mechanics of Advanced Materials and Structures, 2016, 23, 1263-1277.	1.5	47

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37	GBT-based structural analysis of elasticâ€“plastic thin-walled members. Computers and Structures, 2014, 136, 1-23.	2.4	45
38	Structural behavior of hybrid FRP pultruded beams: Experimental, numerical and analytical studies. Thin-Walled Structures, 2016, 106, 201-217.	2.7	45
39	Development of a novel beam-to-column connection system for pultruded GFRP tubular profiles. Composite Structures, 2017, 171, 263-276.	3.1	45
40	Post-buckling analysis of thin-walled steel frames using generalised beam theory (GBT). Thin-Walled Structures, 2013, 62, 229-242.	2.7	44
41	Experimental assessment of the flexural behaviour of circular rubberized concrete-filled steel tubes. Journal of Constructional Steel Research, 2016, 122, 557-570.	1.7	43
42	GBT FORMULATION TO ANALYZE THE BUCKLING BEHAVIOR OF THIN-WALLED MEMBERS SUBJECTED TO NON-UNIFORM BENDING. International Journal of Structural Stability and Dynamics, 2007, 07, 23-54.	1.5	41
43	Mechanical characterization of rubberized concrete using an image-processing/XFEM coupled procedure. Composites Part B: Engineering, 2015, 78, 214-226.	5.9	41
44	Computational modelling of flange crushing in cold-formed steel sections. Thin-Walled Structures, 2014, 84, 393-405.	2.7	40
45	Local buckling and ultimate strength of slender elliptical hollow sections in compression. Engineering Structures, 2016, 111, 104-118.	2.6	40
46	Distortional buckling formulae for cold-formed steel C- and Z-section members. Thin-Walled Structures, 2004, 42, 1599-1629.	2.7	39
47	Buckling Behavior and Failure of Hybrid Fiber-Reinforced Polymer Pultruded Short Columns. Journal of Composites for Construction, 2013, 17, 463-475.	1.7	39
48	Shear Deformable Generalized Beam Theory for the Analysis of Thin-Walled Composite Members. Journal of Engineering Mechanics - ASCE, 2013, 139, 1010-1024.	1.6	39
49	Web-crippling of GFRP pultruded profiles. Part 1: Experimental study. Composite Structures, 2015, 120, 565-577.	3.1	39
50	Strength and failure mechanisms of cnt-reinforced copper nanocomposite. Composites Part B: Engineering, 2018, 145, 108-120.	5.9	39
51	Modulational Instability and Its Consequences for the Beat-Wave Accelerator. Physical Review Letters, 1988, 61, 1611-1614.	2.9	38
52	Creep behavior of pultruded GFRP elements â€“ Part 2: Analytical study. Composite Structures, 2011, 93, 2409-2418.	3.1	38
53	Elastic local post-buckling of elliptical tubes. Journal of Constructional Steel Research, 2011, 67, 281-292.	1.7	38
54	Structural behaviour of hybrid FRP pultruded columns. Part 2: Numerical study. Composite Structures, 2016, 139, 304-319.	3.1	38

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55	Length dependence of critical measures in single-walled carbon nanotubes. International Journal of Solids and Structures, 2008, 45, 4902-4920.	1.3	37
56	GBT formulation to analyse the buckling behaviour of FRP composite open-section thin-walled columns. Composite Structures, 2010, 93, 79-92.	3.1	37
57	Web-crippling of GFRP pultruded profiles. Part 2: Numerical analysis and design. Composite Structures, 2015, 120, 578-590.	3.1	36
58	Torsion warping transmission at thin-walled frame joints: Kinematics, modelling and structural response. Journal of Constructional Steel Research, 2012, 69, 39-53.	1.7	35
59	Finite Element Modelling and Mechanical Characterization of Graphyne. Journal of Nanomaterials, 2016, 2016, 1-15.	1.5	35
60	Web crippling of beams under ITF loading: A novel DSM-based design approach. Journal of Constructional Steel Research, 2017, 128, 812-824.	1.7	35
61	First-order, buckling and post-buckling behaviour of GFRP pultruded beams. Part 2: Numerical simulation. Computers and Structures, 2011, 89, 2065-2078.	2.4	34
62	A new slenderness-based approach for the web crippling design of plain channel steel beams. International Journal of Steel Structures, 2013, 13, 421-434.	0.6	34
63	Experimental study on the fire resistance of GFRP pultruded tubular beams. Composites Part B: Engineering, 2018, 139, 106-116.	5.9	34
64	A neural network based closed-form solution for the distortional buckling of elliptical tubes. Engineering Structures, 2011, 33, 2015-2024.	2.6	33
65	EXAMINATION OF CYLINDRICAL SHELL THEORIES FOR BUCKLING OF CARBON NANOTUBES. International Journal of Structural Stability and Dynamics, 2011, 11, 1035-1058.	1.5	33
66	Physically non-linear GBT analysis of thin-walled members. Computers and Structures, 2013, 129, 148-165.	2.4	33
67	Structural behaviour of hybrid FRP pultruded columns. Part 1: Experimental study. Composite Structures, 2016, 139, 291-303.	3.1	33
68	GBT-based local, distortional and global buckling analysis of thin-walled steel frames. Thin-Walled Structures, 2009, 47, 1246-1264.	2.7	32
69	Localized web buckling analysis of beams subjected to concentrated loads using GBT. Thin-Walled Structures, 2012, 61, 27-41.	2.7	32
70	Lateralâ€“distortional buckling of hollow tubular flange plate girders with slender unstiffened webs. Engineering Structures, 2013, 56, 572-584.	2.6	31
71	Dynamic analysis of thin-walled members using Generalised Beam Theory (GBT). Thin-Walled Structures, 2013, 72, 188-205.	2.7	31
72	Flexural behavior of lean duplex stainless steel girders with slender unstiffened webs. Journal of Constructional Steel Research, 2013, 85, 12-23.	1.7	30

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73	On the mechanics of distortion in thin-walled open sections. Thin-Walled Structures, 2010, 48, 469-481.	2.7	29
74	Non-linear GBT formulation for open-section thin-walled members with arbitrary support conditions. Computers and Structures, 2011, 89, 1906-1919.	2.4	29
75	A molecular dynamics study on the thickness and post-critical strength of carbon nanotubes. Composite Structures, 2012, 94, 1352-1358.	3.1	29
76	Numerical study of the compressive mechanical behaviour of rubberized concrete using the eXtended Finite Element Method (XFEM). Composite Structures, 2017, 179, 132-145.	3.1	28
77	Numerical Analysis of Thin-Walled Structures using Generalised Beam Theory: Recent and Future Developments. Computational Technology Reviews, 2010, 1, 315-354.	0.6	26
78	Asymptotic-Numerical Method to Analyze the Postbuckling Behavior, Imperfection-Sensitivity, and Mode Interaction in Frames. Journal of Engineering Mechanics - ASCE, 2005, 131, 617-632.	1.6	25
79	Monotonic and cyclic flexural behaviour of square/rectangular rubberized concrete-filled steel tubes. Journal of Constructional Steel Research, 2017, 139, 385-396.	1.7	25
80	Multiobjective optimization of cold-formed steel columns. Thin-Walled Structures, 2015, 96, 29-38.	2.7	24
81	Modulational instability in the beat-wave generation. Laser and Particle Beams, 1988, 6, 199-210.	0.4	23
82	A new modal theory for wrinkling analysis of stretched membranes. International Journal of Mechanical Sciences, 2020, 175, 105519.	3.6	23
83	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.	1.5	22
84	Flexural creep response of pultruded GFRP deck panels: Proposal for obtaining full-section viscoelastic moduli and creep coefficients. Composites Part B: Engineering, 2016, 98, 213-224.	5.9	22
85	Characterization of transverse fracture properties of pultruded GFRP material in tension. Composites Part B: Engineering, 2019, 175, 107095.	5.9	22
86	Strength and fracture of graphyne and graphdiyne nanotubes. Computational Materials Science, 2020, 171, 109233.	1.4	22
87	CNT-reinforced iron and titanium nanocomposites: Strength and deformation mechanisms. Composites Part B: Engineering, 2020, 187, 107836.	5.9	22
88	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.	1.5	21
89	Tensionâ€“twisting dependent kinematics of chiral CNTs. Composites Science and Technology, 2013, 74, 211-220.	3.8	21
90	Lateral-torsional buckling behaviour of long-span laminated glass beams: Analytical, experimental and numerical study. Materials and Design, 2016, 102, 264-275.	3.3	21

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91	Wrinkling of stretched thin sheets: Is restrained Poissonâ€™s effect the sole cause?. Engineering Structures, 2016, 106, 195-208.	2.6	21
92	Induced anisotropy of chiral carbon nanotubes under combined tension-twisting. Mechanics of Materials, 2013, 58, 97-109.	1.7	20
93	ON THE INFLUENCE OF MATERIAL COUPLINGS ON THE LINEAR AND BUCKLING BEHAVIOR OF I-SECTION COMPOSITE COLUMNS. International Journal of Structural Stability and Dynamics, 2007, 07, 243-272.	1.5	19
94	GBT-based elasticâ€“plastic post-buckling analysis of stainless steel thin-walled members. Thin-Walled Structures, 2014, 83, 85-102.	2.7	19
95	Modeling of the structural behavior of multilayer laminated glass beams: Flexural and torsional stiffness and lateral-torsional buckling. Engineering Structures, 2016, 128, 265-282.	2.6	19
96	Dynamic behaviour of a GFRP-steel hybrid pedestrian bridge in serviceability conditions. Part 1: Experimental study. Thin-Walled Structures, 2017, 117, 332-342.	2.7	19
97	Compressive transverse fracture behaviour of pultruded GFRP materials: Experimental study and numerical calibration. Composite Structures, 2020, 247, 112453.	3.1	19
98	Vibration behaviour of axially compressed cold-formed steel members. Steel and Composite Structures, 2006, 6, 221-236.	1.3	19
99	Fracture toughness-based models for damage simulation of pultruded GFRP materials. Composites Part B: Engineering, 2020, 186, 107818.	5.9	18
100	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.	2.7	17
101	Interaction diagrams for carbon nanotubes under combined shorteningâ€“twisting. Composites Science and Technology, 2011, 71, 1811-1818.	3.8	17
102	Seismic performance of composite moment-resisting frames achieved with sustainable CFST members. Frontiers of Structural and Civil Engineering, 2016, 10, 312-332.	1.2	17
103	Nonlinear mechanical behaviour of Î³-graphyne through an atomistic finite element model. Computational Materials Science, 2017, 134, 171-183.	1.4	17
104	Progressive Damage Analysis of Web Crippling of GFRP Pultruded I-Sections. Journal of Composites for Construction, 2017, 21, .	1.7	17
105	Mechanical behaviour of carbon nanotubes under combined twistingâ€“bending. Mechanics Research Communications, 2016, 73, 19-24.	1.0	16
106	Dynamic analysis of high-speed railway bridge decks using generalised beam theory. Thin-Walled Structures, 2017, 114, 22-31.	2.7	16
107	GBT-based Structural Analysis of Thin-walled members: Overview, Recent Progress and Future Developments. , 2006, , 187-204.		16
108	Modal decomposition of thin-walled member collapse mechanisms. Thin-Walled Structures, 2014, 74, 269-291.	2.7	15

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109	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.	1.5	15
110	Impact response of pedestrian bridge multicellular pultruded GFRP deck panels. Composite Structures, 2017, 171, 473-485.	3.1	15
111	Shear Behavior of GFRP Composite Materials at Elevated Temperature. Journal of Composites for Construction, 2018, 22, .	1.7	15
112	Effect of fibre layup and bearing length on the web-crippling behaviour of pultruded GFRP profiles. Composite Structures, 2021, 267, 113884.	3.1	15
113	On the sustainability of rubberized concrete filled square steel tubular columns. Journal of Cleaner Production, 2018, 170, 510-521.	4.6	14
114	Numerical modelling of the thermal response of pultruded GFRP tubular profiles subjected to fire. Composites Part B: Engineering, 2018, 137, 202-216.	5.9	14
115	Assessment of mesh dependency in the numerical simulation of compact tension tests for orthotropic materials. Composites Part C: Open Access, 2020, 1, 100006.	1.5	14
116	Exterior beam-to-column bolted connections between GFRP I-shaped pultruded profiles using stainless steel cleats. Part 1: Experimental study. Thin-Walled Structures, 2021, 163, 107719.	2.7	14
117	Quasi-static indentation response of pedestrian bridge multicellular pultruded GFRP deck panels. Construction and Building Materials, 2016, 118, 307-318.	3.2	13
118	Distortional buckling formulae for cold-formed steel rack-section members. Steel and Composite Structures, 2004, 4, 49-75.	1.3	13
119	Dynamic behaviour of a GFRP-steel hybrid pedestrian bridge in serviceability conditions. Part 2: Numerical and analytical study. Thin-Walled Structures, 2017, 118, 113-123.	2.7	12
120	Simulation of fire resistance behaviour of pultruded GFRP beams â€“ Part I: Models description and kinematic issues. Composite Structures, 2018, 187, 269-280.	3.1	12
121	Identicalcis-Acting Elements and Relatedtrans-Acting Factors Control Activity of Nonviral Promoter inSchizosaccharomyces pombeand Mammalian Cells. DNA and Cell Biology, 1998, 17, 349-358.	0.9	11
122	Solvoplex: A New Type of Synthetic Vector for Intrapulmonary Gene Delivery. Human Gene Therapy, 1999, 10, 2891-2905.	1.4	11
123	Elastic buckling and second-order behaviour of pitched-roof steel frames. Journal of Constructional Steel Research, 2007, 63, 804-818.	1.7	11
124	Non-classical effects in FRP composite tubes. Composites Part B: Engineering, 2009, 40, 681-697.	5.9	11
125	GBT-based buckling analysis of steel cylindrical shells under combinations of compression and external pressure. Thin-Walled Structures, 2019, 144, 106274.	2.7	11
126	Experimental and numerical analysis of GFRP frame structures. Part 2: Monotonic and cyclic sway behaviour of plane frames. Composite Structures, 2019, 220, 194-208.	3.1	11

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127	Experimental and numerical analysis of GFRP frame structures. Part 1: Cyclic behaviour at the connection level. Composite Structures, 2019, 220, 304-317.	3.1	11
128	Energy-based analytical model to predict the elastic critical behaviour of curved panels. Journal of Constructional Steel Research, 2016, 127, 165-175.	1.7	10
129	Transverse Fracture Behavior of Pultruded GFRP Materials in Tension: Effect of Fiber Layup. Journal of Composites for Construction, 2020, 24, .	1.7	10
130	Exterior beam-to-column bolted connections between GFRP I-shaped pultruded profiles using stainless steel cleats, Part 2: Prediction of initial stiffness and strength. Thin-Walled Structures, 2021, 164, 107762.	2.7	10
131	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.	1.5	9
132	Simulation of fire resistance behaviour of pultruded GFRP beams â€“ Part II: Stress analysis and failure criteria. Composite Structures, 2018, 188, 519-530.	3.1	9
133	Towards the development of nanosprings from confined carbyne chains. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113831.	1.3	9
134	Numerical analysis of semi-elliptical hollow section columns. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2013, 166, 424-433.	0.4	8
135	Monotonic and hysteretic in-plane behaviour of graphene through an atomistic FE model. Composites Part B: Engineering, 2019, 156, 310-318.	5.9	8
136	Computational modelling of the cyclic behaviour of short rubberized concrete-filled steel tubes. Engineering Structures, 2021, 248, 113188.	2.6	8
137	Melted and recrystallized holey-graphene-reinforced aluminum composites: Structure, elasticity and strength. Composite Structures, 2022, 292, 115679.	3.1	8
138	Generalized Beam Theory to Analyze the Vibration of Open-Section Thin-Walled Composite Members. Journal of Engineering Mechanics - ASCE, 2013, 139, 992-1009.	1.6	7
139	GBT-based first-order analysis of elastic-plastic thin-walled steel members exhibiting strain-hardening. IES Journal Part A: Civil and Structural Engineering, 2013, 6, 119-134.	0.4	7
140	Simulation of fire resistance behaviour of pultruded GFRP columns. Thin-Walled Structures, 2019, 135, 521-536.	2.7	7
141	Computational simulation of Î³-graphynes under monotonic and hysteretic loading. Mechanics of Advanced Materials and Structures, 2021, 28, 495-505.	1.5	7
142	Novel progressive failure model for quasi-orthotropic pultruded FRP structures: Formulation and calibration of parameters (Part I). Composite Structures, 2021, 255, 112974.	3.1	7
143	Structural safety of pultruded FRP profiles for global buckling. Part 2: Reliability-based evaluation of safety formats and partial factor calibration. Composite Structures, 2021, 257, 113147.	3.1	7
144	Fracture toughness-based models for web-crippling of pultruded GFRP profiles. Composites Part B: Engineering, 2022, 230, 109541.	5.9	7

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145	Non-linear curling of wide single-flange steel panels. Journal of Constructional Steel Research, 2009, 65, 509-522.	1.7	6
146	Aluminum composites reinforced by Î³-graphynes: The effect of nanofillers porosity and shape on crystal growth and composite strengthening. Computational Materials Science, 2020, 176, 109538.	1.4	6
147	Numerical study of the influence of the stringers cross-section geometry on the mechanical behavior of compressed curved stiffened composite panels. Mechanics of Advanced Materials and Structures, 2021, 28, 516-529.	1.5	6
148	Novel progressive failure model for quasi-orthotropic pultruded FRP structures: Application to compact tension and web-crippling case studies (Part II). Composite Structures, 2021, 255, 112973.	3.1	6
149	Damage Detection in Lightweight Structures Using Artificial Intelligence Techniques. Experimental Techniques, 2021, 45, 389-410.	0.9	6
150	Graphdiyne nanotubes in ionic liquids: Characterization of interfacial interactions by molecular dynamics. Journal of Molecular Liquids, 2021, 342, 116966.	2.3	6
151	GBT AND cFSM: TWO MODAL APPROACHES TO THE BUCKLING ANALYSIS OF UNBRANCHED THIN-WALLED MEMBERS. , 2009, , 195-223.		6
152	Influence of the deformation mode nature on the 1st order post-yielding strength of thin-walled beams. Thin-Walled Structures, 2018, 128, 71-79.	2.7	5
153	GBT Buckling Analysis of Cylindrical Panels Under Compression. Structures, 2019, 17, 34-42.	1.7	5
154	Transverse bending and in-plane shear behaviours of multicellular pultruded GFRP deck panels with snap-fit connections. Thin-Walled Structures, 2020, 154, 106854.	2.7	5
155	Structural safety of pultruded FRP profiles for global buckling. Part 1: Approach to material uncertainty, resistance models, and model uncertainties.. Composite Structures, 2021, 257, 113304.	3.1	5
156	Monotonic and cyclic behaviour of cuff beam-to-column connection system for tubular pultruded GFRP profiles. Engineering Structures, 2021, 247, 113165.	2.6	5
157	On the design and safety checking of unbraced pitched-roof steel frames. Journal of Constructional Steel Research, 1998, 46, 328-330.	1.7	4
158	GBT-based local and global vibration analysis of thin-walled members. , 2007, , 36-76.		4
159	Analytical model to study the curling phenomena in wide flange trapezoidal panels. Engineering Structures, 2007, 29, 3443-3454.	2.6	4
160	Distortional mechanics of restrained steel sections. Journal of Constructional Steel Research, 2010, 66, 873-884.	1.7	4
161	Modal analysis of the post-buckling behaviour of cylindrical steel panels under compression: Imperfection sensitivity and local2 interaction. Thin-Walled Structures, 2019, 144, 106345.	2.7	4
162	C13 â€“ a new empirical force field to characterize the mechanical behavior of carbyne chains. Physical Chemistry Chemical Physics, 2020, 22, 758-771.	1.3	4

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163	Modal analysis and imperfection sensitivity of the post-buckling behaviour of cylindrical steel panels under in-plane bending. Engineering Structures, 2020, 207, 110127.	2.6	4
164	Direct Strength Method for Web-Crippling Design of Pultruded GFRP Beams. Journal of Composites for Construction, 2021, 25, .	1.7	4
165	A comprehensive, numerical model of electro-thermal propulsion. IEEE Transactions on Magnetics, 1993, 29, 603-608.	1.2	3
166	Characterization of upstream activating sequences involved in activation and regulation of pho4 expression in Schizosaccharomyces pombe. Molecular Genetics and Genomics, 1997, 253, 428-438.	2.4	3
167	Flexural Behavior of Pultruded GFRP Deck Panels with Snap-Fit Connections. International Journal of Structural Stability and Dynamics, 2018, 18, 1850019.	1.5	3
168	On the Use of the Buckling Length Concept in the Design or Safety Checking of Steel Plane Frames. , 1999, , 61-68.		3
169	Multilevel approach for the local nanobuckling analysis of CNT-based composites. Coupled Systems Mechanics, 2012, 1, 269-283.	0.4	3
170	DIRECT STRENGTH PREDICTION OF LIPPED CHANNEL COLUMNS EXPERIENCING LOCAL-PLATE/DISTORTIONAL INTERACTION. , 2009, , 49-71.		3
171	Monotonic and cyclic behaviour of a stainless steel cuff system for beam-to-column connections between pultruded I-section GFRP profiles. Engineering Structures, 2021, 249, 113294.	2.6	3
172	ET-guns with working media of low molecular weight: a numerical study. IEEE Transactions on Magnetics, 1995, 31, 414-418.	1.2	2
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