Sandor Adany

List of Publications by Year
in descending order

40 papers	921 citations	516710 16 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	267 citing authors

#	ARTICLE	IF	CITATIONS
1	A full modal decomposition of thin-walled, single-branched open cross-section members via the constrained finite strip method. Journal of Constructional Steel Research, 2008, 64, 12-29.	3.9	125
2	Buckling mode decomposition of single-branched open cross-section members via finite strip method: Application and examples. Thin-Walled Structures, 2006, 44, 585-600.	5.3	113
3	Buckling mode decomposition of single-branched open cross-section members via finite strip method: Derivation. Thin-Walled Structures, 2006, 44, 563-584.	5.3	111
4	Review: Constrained finite strip method developments and applications in cold-formed steel design. Thin-Walled Structures, 2014, 81, 2-18.	5.3	60
5	Generalized constrained finite strip method for thin-walled members with arbitrary cross-section: Primary modes. Thin-Walled Structures, 2014, 84, 150-169.	5.3	57
6	Generalized constrained finite strip method for thin-walled members with arbitrary cross-section: Secondary modes, orthogonality, examples. Thin-Walled Structures, 2014, 84, 123-133.	5.3	50
7	Buckling mode identification of thin-walled members by using cFSM base functions. Thin-Walled Structures, 2010, 48, 806-817.	5.3	45
8	Impact of basis, orthogonalization, and normalization on the constrained Finite Strip Method for stability solutions of open thin-walled members. Thin-Walled Structures, 2011, 49, 1108-1122.	5.3	38
9	Constrained shell Finite Element Method, Part 2: application to linear buckling analysis of thin-walled members. Thin-Walled Structures, 2018, 128, 56-70.	5.3	34
10	Modal identification for shell finite element models of thin-walled members in nonlinear collapse analysis. Thin-Walled Structures, 2013, 67, 15-24.	5.3	29
11	Constrained shell Finite Element Method for thin-walled members, Part 1: constraints for a single band of finite elements. Thin-Walled Structures, 2018, 128, 43-55.	5.3	29
12	Global buckling of thin-walled simply supported columns: Numerical studies. Thin-Walled Structures, 2012, 54, 82-93.	5.3	25
13	Shell element for constrained finite element analysis of thin-walled structural members. Thin-Walled Structures, 2016, 105, 135-146.	5.3	23
14	Constrained shell finite element method for thin-walled members with holes. Thin-Walled Structures, 2017, 121, 41-56.	5.3	22
15	Global buckling of thin-walled simply supported columns: Analytical solutions based on shell model. Thin-Walled Structures, 2012, 55, 64-75.	5.3	19
16	Decomposition of in-plane shear in thin-walled members. Thin-Walled Structures, 2013, 73, 27-38.	5.3	19
17	Application of the constrained finite strip method for the buckling design of cold-formed steel columns and beams via the direct strength method. Computers and Structures, 2011, 89, 2020-2027.	4.4	18
18	Experimental study on the cyclic behaviour of bolted end-plate joints. Steel and Composite Structures, 2001, 1, 33-50.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Modal identification of thin-walled members by using the constrained finite element method. Thin-Walled Structures, 2019, 140, 31-42.	5.3	14
20	FEM-based approach for the stability design of thin-walled members by using cFSM base functions. Periodica Polytechnica: Civil Engineering, 2009, 53, 61.	0.6	13
21	Flexural buckling of simply-supported thin-walled columns with consideration of membrane shear deformations: Analytical solutions based on shell model. Thin-Walled Structures, 2014, 74, 36-48.	5.3	13
22	Flexural buckling of thin-walled lipped channel columns with slotted webs: Numerical and analytical studies. Engineering Structures, 2019, 197, 109399.	5.3	10
23	Finite element simulation of the cyclic behaviour of end-plate joints. Computers and Structures, 2004, 82, 2131-2143.	4.4	8
24	On the buckling of longitudinally stiffened plates, part 1: Modal analysis by the constrained finite element method. Thin-Walled Structures, 2019, 145, 106394.	5.3	7
25	Modal buckling analysis of thin-walled members with rounded corners by using the constrained finite strip method with elastic corner elements. Thin-Walled Structures, 2019, 142, 414-425.	5.3	7
26	Local stiffness matrices for the semi-analytical Finite Strip Method in case of various boundary conditions. Periodica Polytechnica: Civil Engineering, 2014, 58, 187-201.	0.6	4
27	Local Elastic and Geometric Stiffness Matrices for the Shell Element Applied in cFEM. Periodica Polytechnica: Civil Engineering, 2017, , .	0.6	3
28	Experimental Studies on Deep Trapezoidal Sheeting with Perforated Webs. Journal of Structural Engineering, 2013, 139, 729-739.	3.4	2
29	Constrained finite element method for thin-walled members with transverse stiffeners and end-plates. Thin-Walled Structures, 2021, 159, 107273.	5.3	2
30	New transverse extension modes for buckling analysis of thin-walled members by using the constrained finite strip method. Thin-Walled Structures, 2022, 179, 109634.	5.3	2
31	Uncertainties in the definition of buckling of thin-walled members. , 2006, , 46.		1
32	New Transverse Extension Modes for the Constrained Finite Strip Analysis of Thin-walled Members. SSRN Electronic Journal, 0, , .	0.4	1
33	Modal Decomposition For Thin-Walled Member Stability Using The Finite Strip Method. , 2006, , 411-422.		1
34	07.22: On the use of constrained finite element method in the design of cold-formed steel Z purlins. Ce/Papers, 2017, 1, 1687-1696.	0.3	0
35	Understanding the buckling behavior of cold‐formed steel members with slotted web by using cFEM. Ce/Papers, 2019, 3, 193-198.	0.3	0
36	Constrained Finite Strip Method with Rigid Corner Element for the Buckling Analysis of Thin-Walled Members with Rounded Corners. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	0

#	Article	IF	Citations
37	Torsional Buckling of Thin-Walled Columns with Transverse Stiffeners: Analytical Studies. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	0
38	Constrained finite element method with displacement mapping. Ce/Papers, 2021, 4, 465-472.	0.3	0
39	Analytical Solutions for the GNI Analysis for Lateral-torsional Buckling of Thin-walled Beams With Doubly-symmetric and Mono-symmetric Cross-sections. SSRN Electronic Journal, 0, , .	0.4	0
40	Moment-rotation model of steel-to-concrete end-plate connections. , 1996, , 269-277.		0