Magdi Mohareb

List of Publications by Year
in descending order

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79	754	567281 15	713466 21
papers	citations	h-index	g-index

80	80	80	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Buckling analysis of thin-walled open membersâ€"A finite element formulation. Thin-Walled Structures, 2008, 46, 618-636.	5.3	40
2	Torsion analysis of thin-walled beams including shear deformation effects. Thin-Walled Structures, 2006, 44, 1096-1108.	5.3	36
3	Testing and Analysis of Steel Pipe Segments. Journal of Transportation Engineering, 2001, 127, 408-417.	0.9	28
4	Buckling analysis of thin-walled open membersâ€"A complementary energy variational principle. Thin-Walled Structures, 2008, 46, 602-617.	5.3	26
5	Finite element formulation for lateral torsional buckling analysis of shear deformable mono-symmetric thin-walled members. Thin-Walled Structures, 2015, 89, 212-226.	5.3	24
6	Finite difference model for the buckling analysis of sandwich pipes under external pressure. Ocean Engineering, 2016, 122, 172-185.	4.3	22
7	Finite element for the dynamic analysis of pipes subjected to water hammer. Journal of Fluids and Structures, 2020, 93, 102845.	3.4	22
8	Buckling of shear deformable thin-walled membersâ€"I. Variational principle and analyticalsolutions. Thin-Walled Structures, 2011, 49, 197-207.	5.3	21
9	Buckling formulation for shear deformable thin-walled membersâ€"II. Finite element formulation. Thin-Walled Structures, 2011, 49, 208-222.	5.3	21
10	Analysis of circular cylindrical shells under harmonic forces. Thin-Walled Structures, 2010, 48, 528-539.	5.3	20
11	Plastic Interaction Relations for Pipe Sections. Journal of Engineering Mechanics - ASCE, 2002, 128, 112-120.	2.9	18
12	Exact Finite Element for Nonuniform Torsion of Open Sections. Journal of Structural Engineering, 2003, 129, 215-223.	3.4	17
13	Prediction of the pipe buckling by using broadening factor with distributed Brillouin fiber sensors. Optical Fiber Technology, 2008, 14, 109-113.	2.7	17
14	Buckling finite element formulation for sandwich pipes under external pressure. International Journal of Pressure Vessels and Piping, 2016, 147, 41-54.	2.6	16
15	Moment resistance of steel pipes subjected to combined loads. International Journal of Pressure Vessels and Piping, 2009, 86, 252-264.	2.6	15
16	A shear deformable theory for the analysis of steel beams reinforced with GFRP plates. Thin-Walled Structures, 2014, 85, 165-182.	5.3	15
17	Distortional lateral torsional buckling of beam-columns including pre-buckling deformation effects. Computers and Structures, 2018, 209, 93-116.	4.4	15
18	Plastic interaction relations for elliptical hollow sections. Thin-Walled Structures, 2009, 47, 681-691.	5.3	14

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19	Finite element for cylindrical thin shells under harmonic forces. Finite Elements in Analysis and Design, 2012, 52, 83-92.	3.2	14
20	Simplified expressions for elastic lateral torsional buckling of wooden beams. Engineering Structures, 2018, 174, 229-241.	5.3	13
21	Plastic Resistance of Pipe Sections: Upper Bound Solution. Journal of Structural Engineering, 2003, 129, 41-48.	3.4	12
22	Testing and Analysis of Steel Pipes under Bending, Tension, and Internal Pressure. Journal of Structural Engineering, 2009, 135, 187-197.	3.4	12
23	Effect of Boundary on Water Hammer Wave Attenuation and Shape. Journal of Hydraulic Engineering, 2020, 146, .	1.5	12
24	Distortional lateral torsional buckling for simply supported beams with web cleats. Canadian Journal of Civil Engineering, 2015, 42, 1091-1103.	1.3	11
25	Upper and lower bound solutions for lateral-torsional buckling of doubly symmetric members. Thin-Walled Structures, 2016, 102, 180-196.	5.3	11
26	Generalization of the Vlasov theory for lateral torsional buckling analysis of built-up monosymmetric assemblies. Engineering Structures, 2020, 221, 111055.	5.3	11
27	Testing of Steel Pipes Under Bending, Twist, and Shear. Journal of Structural Engineering, 2003, 129, 1350-1357.	3.4	10
28	Shell analysis of thin-walled pipes. Part II â€“ Finite element formulation. International Journal of Pressure Vessels and Piping, 2010, 87, 414-423.	2.6	10
29	Finite-Element Formulation for the Lateral Torsional Buckling of Plane Frames. Journal of Engineering Mechanics - ASCE, 2013, 139, 512-524.	2.9	10
30	Nonsway Model for Lateral Torsional Buckling of Wooden Beams under Wind Uplift. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	10
31	Finite element formulation for the analysis of multilayered beams based on the principle of stationary complementary strain energy. Engineering Structures, 2018, 167, 287-307.	5.3	10
32	Lateral torsional buckling of STEEL beams strengthened with GFRP plate. Thin-Walled Structures, 2018, 131, 55-75.	5.3	10
33	Finite element formulation for shear deformable thin-walled beams. Canadian Journal of Civil Engineering, 2011, 38, 383-392.	1.3	9
34	Column curves for elliptical hollow section members. Journal of Constructional Steel Research, 2011, 67, 1525-1536.	3.9	9
35	Finite-Element Formulations for the Spatial Static Response of Steel Beams Bonded to a GFRP Plate. Journal of Engineering Mechanics - ASCE, 2015, 141, 04014143.	2.9	9
36	Analysis and design of laterally unsupported portal frames for out-of-plane stability. Canadian Journal of Civil Engineering, 2004, 31, 440-452.	1.3	8

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37	An elasto-plastic finite element for steel pipelines. International Journal of Pressure Vessels and Piping, 2004, 81, 919-930.	2.6	8
38	Distortional theory for the analysis of wide flange steel beams. Engineering Structures, 2014, 75, 181-196.	5.3	8
39	Elastic Analysis of Steel Beams Strengthened with GFRP Plates Including Preexisting Loading Effects. Journal of Structural Engineering, 2017, 143, .	3.4	8
40	Shell analysis of thin-walled pipes. Part I â€“ Field equations and solution. International Journal of Pressure Vessels and Piping, 2010, 87, 402-413.	2.6	7
41	Plastic interaction relations for semi-elliptical hollow sections. Thin-Walled Structures, 2010, 48, 42-54.	5.3	7
42	Nonshear Deformable Theory for Analysis of Steel Beams Reinforced with GFRP Plate Closed-Form Solution. Journal of Structural Engineering, 2015, 141, .	3.4	7
43	Lateral Torsional Buckling of Wooden Beams with Midspan Lateral Bracing Offset from Section Midheight. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	7
44	Effect of Eccentric Lateral Bracing Stiffness on Lateral Torsional Buckling Resistance of Wooden Beams. International Journal of Structural Stability and Dynamics, 2018, 18, 1850027.	2.4	7
45	Lateral torsional buckling analysis of moment resisting plane frames. Thin-Walled Structures, 2019, 134, 233-254.	5.3	7
46	Numerical and analytical investigation for ultimate capacity of steel beams strengthened with GFRP plates. Engineering Structures, 2021, 243, 112668.	5.3	7
47	Exact yield hyper-surface for thin pipes. International Journal of Pressure Vessels and Piping, 2001, 78, 507-514.	2.6	6
48	Nonorthogonal solution for thin-walled members â€“ a finite element formulation. Canadian Journal of Civil Engineering, 2006, 33, 421-439.	1.3	6
49	Complementary Energy Based Formulation for Torsional Buckling of Columns. Journal of Engineering Mechanics - ASCE, 2009, 135, 1420-1426.	2.9	6
50	Closed form solutions for shear deformable thin-walled beams including global and through-thickness warping effects. Thin-Walled Structures, 2021, 158, 107190.	5.3	6
51	Partitioned water hammer modeling using the block Gaussâ€“Seidel algorithm. Journal of Fluids and Structures, 2021, 103, 103260.	3.4	6
52	Planar Bending of Sandwich Beams with Transverse Loads off the Centroidal Axis. Journal of Engineering Mechanics - ASCE, 2005, 131, 385-396.	2.9	5
53	Nonorthogonal solution for thin-walled members â€“ applications and modelling considerations. Canadian Journal of Civil Engineering, 2006, 33, 440-450.	1.3	5
54	Finite-Element Formulation for the Linear Steady-State Response of Asymmetric Thin-Walled Members under Harmonic Forces. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	5

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55	Distortional Lateral Torsional Buckling Analysis of Beams with Overhangs. Journal of Structural Engineering, 2019, 145, 04018266.	3.4	5
56	Design Considerations for Distortional Lateral Buckling. Journal of Structural Engineering, 2021, 147, .	3.4	5
57	Sway Model for the Lateral Torsional Buckling Analysis of Wooden Twin-beam-deck Systems. Structures, 2019, 19, 19-29.	3.6	4
58	Shell finite element formulation for geometrically nonlinear analysis of curved thin-walled pipes. Thin-Walled Structures, 2022, 173, 108971.	5.3	4
59	Finite element formulation for the dynamic analysis of shear deformable thin-walled beams. Thin-Walled Structures, 2022, 173, 108989.	5.3	4
60	Finite element formulation for distortional lateral buckling of I-beams. Engineering Structures, 2022, 262, 114265.	5.3	4
61	Plastic Interaction Relationships for Square Hollow Structural Sections: Lower Bound Solution. Journal of Structural Engineering, 2004, 130, 1381-1391.	3.4	3
62	Generalized theory for the dynamic analysis of thin shells with application to circular cylindrical geometries. Thin-Walled Structures, 2019, 139, 347-361.	5.3	3
63	Numerical Assessment of Elbow Element Response Under Internal Pressure. Journal of Pressure Vessel Technology, Transactions of the ASME, 2021, 143, .	0.6	3
64	Mechanical response of buried and covered pipes under water hammer. International Journal of Pressure Vessels and Piping, 2021, 190, 104310.	2.6	3
65	Shell finite element formulation for geometrically nonlinear analysis of straight thin-walled pipes. International Journal of Non-Linear Mechanics, 2021, 137, 103829.	2.6	3
66	Finite-Element Formulations for the Distortional Analysis of Wide Flange Steel Beams. Journal of Engineering Mechanics - ASCE, 2016, 142, 04015071.	2.9	2
67	Effect of UOE Forming Process on the Buckling Strains of Steel Pipes. , 2018, , .		2
68	Shear deformable super-convergent finite element for steel beams strengthened with glass-fiber reinforced polymer (GFRP) plate. Canadian Journal of Civil Engineering, 2019, 46, 338-351.	1.3	2
69	Torsional flexural steady state response of monosymmetric thin-walled beams under harmonic loads. Structural Engineering and Mechanics, 2014, 52, 787-813.	1.0	2
70	Effect of beam-deck connection flexibility on lateral torsional buckling strength of wooden twin-beams. Engineering Structures, 2020, 207, 110226.	5.3	2
71	Elastic compressive buckling resistance for back-to-back double angle assemblies. Engineering Structures, 2022, 258, 114120.	5.3	2
72	Upper Bound Plastic Interaction Relations for Elliptical Hollow Sections. Journal of Engineering Mechanics - ASCE, 2010, 136, 1015-1027.	2.9	1

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73	Multi-Scale Overlapping Domain Decomposition to Consider Elasto-Plastic Local Buckling Effects in the Analysis of Pipes. International Journal of Structural Stability and Dynamics, 2017, 17, 1750015.	2.4	1
74	Elastic buckling strength for steel plates symmetrically strengthened with glass fiber reinforced polymer plates. Canadian Journal of Civil Engineering, 2020, 47, 337-353.	1.3	1
75	Elastic critical moment for monosymmetric beams under linear moment gradients. Canadian Journal of Civil Engineering, 0, , .	1.3	1
76	Elastic Lateral-Torsional Buckling Capacity of Wide Flange Beams with End Warping Restraints. Lecture Notes in Civil Engineering, 2023, , 557-568.	0.4	1
77	Predict the pipeline buckling using the broadening factor of Brillouin spectrum width. , 2007, , .		0
78	Stationary complementary energy high-order theory for the static analysis of beams. Annals of Solid and Structural Mechanics, 2020, 12, 199-220.	0.5	0
79	Experimental Setup for Full-Scale Testing of Pipes Under Combined Loads. , 2006, , .		0