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	Elastic Lateral-Torsional Buckling Capacity of Wide Flange Beams with End Warping Restraints. Lecture Notes in Civil Engineering, 2023, , 557-568.	0.4	1
2	Shell finite element formulation for geometrically nonlinear analysis of curved thin-walled pipes. Thin-Walled Structures, 2022, 173, 108971.	5.3	4
3	Finite element formulation for the dynamic analysis of shear deformable thin-walled beams. Thin-Walled Structures, 2022, 173, 108989.	5.3	4
4	Elastic compressive buckling resistance for back-to-back double angle assemblies. Engineering Structures, 2022, 258, 114120.	5.3	2
5	Finite element formulation for distortional lateral buckling of I-beams. Engineering Structures, 2022, 262, 114265.	5.3	4
6	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
7	Numerical Assessment of Elbow Element Response Under Internal Pressure. Journal of Pressure Vessel Technology, Transactions of the ASME, 2021, 143, .	0.6	3
8	Mechanical response of buried and covered pipes under water hammer. International Journal of Pressure Vessels and Piping, 2021, 190, 104310.	2.6	3
9	Partitioned water hammer modeling using the block Gaussâ€“Seidel algorithm. Journal of Fluids and Structures, 2021, 103, 103260.	3.4	6
10	Numerical and analytical investigation for ultimate capacity of steel beams strengthened with GFRP plates. Engineering Structures, 2021, 243, 112668.	5.3	7
11	Design Considerations for Distortional Lateral Buckling. Journal of Structural Engineering, 2021, 147, .	3.4	5
12	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
13	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
14	Finite element for the dynamic analysis of pipes subjected to water hammer. Journal of Fluids and Structures, 2020, 93, 102845.	3.4	22
15	Effect of Boundary on Water Hammer Wave Attenuation and Shape. Journal of Hydraulic Engineering, 2020, 146, .	1.5	12
16	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
17	Generalization of the Vlasov theory for lateral torsional buckling analysis of built-up monosymmetric assemblies. Engineering Structures, 2020, 221, 111055.	5.3	11
18	Effect of beam-deck connection flexibility on lateral torsional buckling strength of wooden twin-beams. Engineering Structures, 2020, 207, 110226.	5.3	2

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19	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
20	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
21	Distortional Lateral Torsional Buckling Analysis of Beams with Overhangs. Journal of Structural Engineering, 2019, 145, 04018266.	3.4	5
22	Lateral torsional buckling analysis of moment resisting plane frames. Thin-Walled Structures, 2019, 134, 233-254.	5.3	7
23	Sway Model for the Lateral Torsional Buckling Analysis of Wooden Twin-beam-deck Systems. Structures, 2019, 19, 19-29.	3.6	4
24	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
25	Effect of UOE Forming Process on the Buckling Strains of Steel Pipes. , 2018, , .		2
26	Distortional lateral torsional buckling of beam-columns including pre-buckling deformation effects. Computers and Structures, 2018, 209, 93-116.	4.4	15
27	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
28	Lateral torsional buckling of STEEL beams strengthened with GFRP plate. Thin-Walled Structures, 2018, 131, 55-75.	5.3	10
29	Simplified expressions for elastic lateral torsional buckling of wooden beams. Engineering Structures, 2018, 174, 229-241.	5.3	13
30	Elastic Analysis of Steel Beams Strengthened with GFRP Plates Including Preexisting Loading Effects. Journal of Structural Engineering, 2017, 143, .	3.4	8
31	Lateral Torsional Buckling of Wooden Beams with Midspan Lateral Bracing Offset from Section Midheight. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	7
32	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
33	Buckling finite element formulation for sandwich pipes under external pressure. International Journal of Pressure Vessels and Piping, 2016, 147, 41-54.	2.6	16
34	Nonsway Model for Lateral Torsional Buckling of Wooden Beams under Wind Uplift. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	10
35	Finite difference model for the buckling analysis of sandwich pipes under external pressure. Ocean Engineering, 2016, 122, 172-185.	4.3	22
36	Upper and lower bound solutions for lateral-torsional buckling of doubly symmetric members. Thin-Walled Structures, 2016, 102, 180-196.	5.3	11

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37	Finite-Element Formulations for the Distortional Analysis of Wide Flange Steel Beams. Journal of Engineering Mechanics - ASCE, 2016, 142, 04015071.	2.9	2
38	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
39	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
40	Nonshear Deformable Theory for Analysis of Steel Beams Reinforced with GFRP Plate Closed-Form Solution. Journal of Structural Engineering, 2015, 141, .	3.4	7
41	Distortional lateral torsional buckling for simply supported beams with web cleats. Canadian Journal of Civil Engineering, 2015, 42, 1091-1103.	1.3	11
42	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
43	Distortional theory for the analysis of wide flange steel beams. Engineering Structures, 2014, 75, 181-196.	5.3	8
44	A shear deformable theory for the analysis of steel beams reinforced with GFRP plates. Thin-Walled Structures, 2014, 85, 165-182.	5.3	15
45	Torsional flexural steady state response of monosymmetric thin-walled beams under harmonic loads. Structural Engineering and Mechanics, 2014, 52, 787-813.	1.0	2
46	Finite-Element Formulation for the Lateral Torsional Buckling of Plane Frames. Journal of Engineering Mechanics - ASCE, 2013, 139, 512-524.	2.9	10
47	Finite element for cylindrical thin shells under harmonic forces. Finite Elements in Analysis and Design, 2012, 52, 83-92.	3.2	14
48	Finite element formulation for shear deformable thin-walled beams. Canadian Journal of Civil Engineering, 2011, 38, 383-392.	1.3	9
49	Column curves for elliptical hollow section members. Journal of Constructional Steel Research, 2011, 67, 1525-1536.	3.9	9
50	Buckling of shear deformable thin-walled membersâ€"I. Variational principle and analyticalsolutions. Thin-Walled Structures, 2011, 49, 197-207.	5.3	21
51	Buckling formulation for shear deformable thin-walled membersâ€"II. Finite element formulation. Thin-Walled Structures, 2011, 49, 208-222.	5.3	21
52	Analysis of circular cylindrical shells under harmonic forces. Thin-Walled Structures, 2010, 48, 528-539.	5.3	20
53	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
54	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

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55	Plastic interaction relations for semi-elliptical hollow sections. Thin-Walled Structures, 2010, 48, 42-54.	5.3	7
56	Upper Bound Plastic Interaction Relations for Elliptical Hollow Sections. Journal of Engineering Mechanics - ASCE, 2010, 136, 1015-1027.	2.9	1
57	Testing and Analysis of Steel Pipes under Bending, Tension, and Internal Pressure. Journal of Structural Engineering, 2009, 135, 187-197.	3.4	12
58	Complementary Energy Based Formulation for Torsional Buckling of Columns. Journal of Engineering Mechanics - ASCE, 2009, 135, 1420-1426.	2.9	6
59	Plastic interaction relations for elliptical hollow sections. Thin-Walled Structures, 2009, 47, 681-691.	5.3	14
60	Moment resistance of steel pipes subjected to combined loads. International Journal of Pressure Vessels and Piping, 2009, 86, 252-264.	2.6	15
61	Buckling analysis of thin-walled open membersâ€"A complementary energy variational principle. Thin-Walled Structures, 2008, 46, 602-617.	5.3	26
62	Buckling analysis of thin-walled open membersâ€"A finite element formulation. Thin-Walled Structures, 2008, 46, 618-636.	5.3	40
63	Prediction of the pipe buckling by using broadening factor with distributed Brillouin fiber sensors. Optical Fiber Technology, 2008, 14, 109-113.	2.7	17
64	Predict the pipeline buckling using the broadening factor of Brillouin spectrum width. , 2007, , .		0
65	Nonorthogonal solution for thin-walled members â€“ a finite element formulation. Canadian Journal of Civil Engineering, 2006, 33, 421-439.	1.3	6
66	Torsion analysis of thin-walled beams including shear deformation effects. Thin-Walled Structures, 2006, 44, 1096-1108.	5.3	36
67	Nonorthogonal solution for thin-walled members â€“ applications and modelling considerations. Canadian Journal of Civil Engineering, 2006, 33, 440-450.	1.3	5
68	Experimental Setup for Full-Scale Testing of Pipes Under Combined Loads. , 2006, , .		0
69	Planar Bending of Sandwich Beams with Transverse Loads off the Centroidal Axis. Journal of Engineering Mechanics - ASCE, 2005, 131, 385-396.	2.9	5
70	Plastic Interaction Relationships for Square Hollow Structural Sections: Lower Bound Solution. Journal of Structural Engineering, 2004, 130, 1381-1391.	3.4	3
71	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
72	An elasto-plastic finite element for steel pipelines. International Journal of Pressure Vessels and Piping, 2004, 81, 919-930.	2.6	8

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73	Exact Finite Element for Nonuniform Torsion of Open Sections. Journal of Structural Engineering, 2003, 129, 215-223.	3.4	17
74	Plastic Resistance of Pipe Sections: Upper Bound Solution. Journal of Structural Engineering, 2003, 129, 41-48.	3.4	12
75	Testing of Steel Pipes Under Bending, Twist, and Shear. Journal of Structural Engineering, 2003, 129, 1350-1357.	3.4	10
76	Plastic Interaction Relations for Pipe Sections. Journal of Engineering Mechanics - ASCE, 2002, 128, 112-120.	2.9	18
77	Exact yield hyper-surface for thin pipes. International Journal of Pressure Vessels and Piping, 2001, 78, 507-514.	2.6	6
78	Testing and Analysis of Steel Pipe Segments. Journal of Transportation Engineering, 2001, 127, 408-417.	0.9	28
79	Elastic critical moment for monosymmetric beams under linear moment gradients. Canadian Journal of Civil Engineering, 0, , .	1.3	1