

# Mostafa Fahmi Hassanein

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

2,340  
citations

156536

32  
h-index

252626

46  
g-index

70  
all docs

70  
docs citations

70  
times ranked

795  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study on the compressive strengths of stiffened and unstiffened concrete-filled austenitic stainless steel tubular short columns. <i>Ocean Engineering</i> , 2022, 248, 110793.	1.9	10
2	Bending behaviour of reinforced concrete/engineered cementitious composite beams. <i>Magazine of Concrete Research</i> , 2021, 73, 810-818.	0.9	3
3	Numerical Study on the Mechanical Properties of the Novel Wide Box Girders Stiffened by Transverse Ribs. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 3448-3457.	0.9	2
4	Flexural behaviour of segmental prestressed composite beams with corrugated steel webs. <i>Magazine of Concrete Research</i> , 2020, 72, 578-594.	0.9	7
5	Analysis of microstructure characteristics and mechanical properties of beetle forewings, <i>Allomyrina dichotoma</i> . <i>Materials Science and Engineering C</i> , 2020, 107, 110317.	3.8	17
6	Parametric equation to predict the SIF of cracked tubular T/Y-joints. <i>Journal of Constructional Steel Research</i> , 2020, 164, 105773.	1.7	5
7	New Asynchronous-Pouring Rapid-Construction Method for Long-Span Prestressed Concrete Box Girder Bridges with Corrugated Steel Webs. <i>Journal of Construction Engineering and Management - ASCE</i> , 2020, 146, .	2.0	11
8	Static Strength of Square T-Joints Reinforced with Collar-Plates under Axial Compression or In-Plane Bending. <i>International Journal of Civil Engineering</i> , 2020, 18, 1009-1023.	0.9	3
9	Strength and behaviour of laterally-unrestrained S690 high-strength steel hybrid girders with corrugated webs. <i>Thin-Walled Structures</i> , 2020, 150, 106688.	2.7	24
10	Flexural buckling of circular concrete-filled stainless steel tubular columns. <i>Marine Structures</i> , 2020, 71, 102722.	1.6	16
11	Finite element simulation of circular short CFDST columns under axial compression. <i>Structures</i> , 2019, 20, 607-619.	1.7	33
12	The differences in the mechanical performance of prismatic and non-prismatic beams with corrugated steel webs: A comparative research. <i>Thin-Walled Structures</i> , 2019, 141, 402-410.	2.7	15
13	Shear buckling and design strength study of curved girders with corrugated steel webs. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2019, 172, 649-660.	0.4	2
14	Transverse analysis of full-scale precast segmental box girder segments with corrugated steel webs: Experimental tests and FE modelling. <i>Engineering Structures</i> , 2019, 187, 231-241.	2.6	15
15	Behaviour and design of rubberised concrete filled steel tubes under combined loading conditions. <i>Thin-Walled Structures</i> , 2019, 139, 24-38.	2.7	43
16	Ultra-high strength circular short CFST columns: Axisymmetric analysis, behaviour and design. <i>Engineering Structures</i> , 2019, 179, 268-283.	2.6	69
17	China's unique woven timber arch bridges. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2018, 171, 115-120.	0.3	6
18	Growth of prestressed concrete bridges with corrugated steel webs in China. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2018, 171, 77-84.	0.3	20

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19	Finite element analysis of large diameter high strength octagonal CFST short columns. <i>Thin-Walled Structures</i> , 2018, 123, 467-482.	2.7	45
20	The effect of using tubular flanges in bridge girders with corrugated steel webs on their shear behaviour – A numerical study. <i>Thin-Walled Structures</i> , 2018, 124, 121-135.	2.7	21
21	Behaviour of Concrete-filled Double-skin Short Columns Under Compression Through Finite Element Modelling: SHS Outer and SHS Inner Tubes. <i>Structures</i> , 2018, 14, 358-375.	1.7	55
22	Round-ended rectangular concrete-filled steel tubular short columns: FE investigation under axial compression. <i>Journal of Constructional Steel Research</i> , 2018, 140, 222-236.	1.7	57
23	Lateral-torsional buckling strength and behaviour of high-strength steel corrugated web girders for bridge construction. <i>Thin-Walled Structures</i> , 2018, 122, 112-123.	2.7	40
24	Study on Elastic Global Shear Buckling of Curved Girders with Corrugated Steel Webs: Theoretical Analysis and FE Modelling. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2457.	1.3	7
25	Finite element modelling of concrete-filled double-skin short compression members with CHS outer and SHS inner tubes. <i>Marine Structures</i> , 2018, 61, 85-99.	1.6	47
26	Experimental investigation of rubberised concrete-filled double skin square tubular columns under axial compression. <i>Engineering Structures</i> , 2018, 171, 730-746.	2.6	62
27	Analysis of stress-induced cracks in concrete and mortar under cyclic uniaxial compression. <i>Construction and Building Materials</i> , 2018, 187, 652-664.	3.2	11
28	Structural behaviour and design of elliptical high-strength concrete-filled steel tubular short compression members. <i>Engineering Structures</i> , 2018, 173, 495-511.	2.6	32
29	Experimental tests and design of rubberised concrete-filled double skin circular tubular short columns. <i>Structures</i> , 2018, 15, 196-210.	1.7	45
30	Numerical investigation on the nonlinear shear behaviour of high-strength steel tapered corrugated web bridge girders. <i>Engineering Structures</i> , 2017, 134, 358-375.	2.6	42
31	Experimental investigation of cementitious material-filled square thin-walled steel beams. <i>Thin-Walled Structures</i> , 2017, 114, 134-143.	2.7	10
32	Transverse Analysis of a Prestressed Concrete Wide Box Girder with Stiffened Ribs. <i>Journal of Bridge Engineering</i> , 2017, 22, .	1.4	9
33	Shear analysis and design of high-strength steel corrugated web girders for bridge design. <i>Engineering Structures</i> , 2017, 146, 18-33.	2.6	62
34	Failure analysis of high-strength bolts in steel truss bridges. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2017, 170, 175-179.	0.3	6
35	Overall buckling behaviour of circular concrete-filled dual steel tubular columns with stainless steel external tubes. <i>Thin-Walled Structures</i> , 2017, 115, 336-348.	2.7	46
36	Strengthening of mild steel struts using CFRP sheets subjected to uniform axial compression. <i>Thin-Walled Structures</i> , 2017, 116, 96-112.	2.7	13

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37	CFRP strengthening and rehabilitation of corroded steel pipelines under direct indentation. <i>Thin-Walled Structures</i> , 2017, 119, 510-521.	2.7	39
38	Behaviour of axially loaded circular concrete-filled bimetallic stainless-carbon steel tubular short columns. <i>Engineering Structures</i> , 2017, 147, 583-597.	2.6	24
39	Design of cold-formed CHS braces for steel roof structures. <i>Thin-Walled Structures</i> , 2017, 120, 249-259.	2.7	8
40	Behaviour and design of hexagonal concrete-filled steel tubular short columns under axial compression. <i>Engineering Structures</i> , 2017, 153, 732-748.	2.6	44
41	Plastic and yield slenderness limits for circular concrete filled tubes subjected to static pure bending. <i>Thin-Walled Structures</i> , 2016, 109, 50-64.	2.7	44
42	Tubular flange plate girders with corner square web openings in the panel of maximum shear: Strength and behaviour. <i>Thin-Walled Structures</i> , 2016, 99, 142-154.	2.7	11
43	Shear evaluation of tapered bridge girder panels with steel corrugated webs near the supports of continuous bridges. <i>Engineering Structures</i> , 2016, 113, 149-159.	2.6	44
44	Linearly tapered bridge girder panels with steel corrugated webs near intermediate supports of continuous bridges. <i>Thin-Walled Structures</i> , 2015, 88, 119-128.	2.7	27
45	Fundamental behaviour of concrete-filled pentagonal flange plate girders under shear. <i>Thin-Walled Structures</i> , 2015, 95, 221-230.	2.7	13
46	Behaviour and design of square concrete-filled double skin tubular columns with inner circular tubes. <i>Engineering Structures</i> , 2015, 100, 410-424.	2.6	70
47	Tubular flange girders with slender webs containing openings. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2014, 167, 486-494.	0.4	1
48	Shear strength of tubular flange plate girders with square web openings. <i>Engineering Structures</i> , 2014, 58, 92-104.	2.6	19
49	Compressive strength of circular concrete-filled double skin tubular short columns. <i>Thin-Walled Structures</i> , 2014, 77, 165-173.	2.7	85
50	Analysis of circular concrete-filled double skin tubular slender columns with external stainless steel tubes. <i>Thin-Walled Structures</i> , 2014, 79, 23-37.	2.7	88
51	Shear buckling behavior of tapered bridge girders with steel corrugated webs. <i>Engineering Structures</i> , 2014, 74, 157-169.	2.6	77
52	Lateral-torsional buckling of hollow tubular flange plate girders with slender stiffened webs. <i>Thin-Walled Structures</i> , 2013, 65, 49-61.	2.7	29
53	Flexural strength of hollow tubular flange plate girders with slender stiffened webs under mid-span concentrated loads. <i>Thin-Walled Structures</i> , 2013, 69, 18-28.	2.7	14
54	Lateral-distortional buckling of hollow tubular flange plate girders with slender unstiffened webs. <i>Engineering Structures</i> , 2013, 56, 572-584.	2.6	31

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55	Behaviour of circular concrete-filled lean duplex stainless steel carbon steel tubular short columns. <i>Engineering Structures</i> , 2013, 56, 83-94.	2.6	70
56	Behaviour of circular concrete-filled lean duplex stainless steel tubular short columns. <i>Thin-Walled Structures</i> , 2013, 68, 113-123.	2.7	35
57	Circular concrete-filled double skin tubular short columns with external stainless steel tubes under axial compression. <i>Thin-Walled Structures</i> , 2013, 73, 252-263.	2.7	90
58	Shear capacity of stiffened plate girders with compression tubular flanges and slender webs. <i>Thin-Walled Structures</i> , 2013, 70, 81-92.	2.7	9
59	Flexural behavior of lean duplex stainless steel girders with slender unstiffened webs. <i>Journal of Constructional Steel Research</i> , 2013, 85, 12-23.	1.7	30
60	Behavior of bridge girders with corrugated webs: (I) Real boundary condition at the juncture of the web and flanges. <i>Engineering Structures</i> , 2013, 57, 554-564.	2.6	80
61	Behavior of bridge girders with corrugated webs: (II) Shear strength and design. <i>Engineering Structures</i> , 2013, 57, 544-553.	2.6	86
62	An extended evaluation for the shear behavior of hollow tubular flange plate girders. <i>Thin-Walled Structures</i> , 2012, 56, 88-102.	2.7	20
63	Finite element investigation of shear failure of lean duplex stainless steel plate girders. <i>Thin-Walled Structures</i> , 2011, 49, 964-973.	2.7	33
64	Numerical modelling of concrete-filled lean duplex slender stainless steel tubular stub columns. <i>Journal of Constructional Steel Research</i> , 2010, 66, 1057-1068.	1.7	77
65	Imperfection analysis of austenitic stainless steel plate girders failing by shear. <i>Engineering Structures</i> , 2010, 32, 704-713.	2.6	37
66	Shear strength and behavior of transversely stiffened tubular flange plate girders. <i>Engineering Structures</i> , 2010, 32, 2617-2630.	2.6	33
67	A comparative experimental study between stiffened and unstiffened stainless steel hollow tubular stub columns. <i>Thin-Walled Structures</i> , 2009, 47, 73-81.	2.7	18
68	Confinement effect of stiffened and unstiffened concrete-filled stainless steel tubular stub columns. <i>Journal of Constructional Steel Research</i> , 2009, 65, 1846-1854.	1.7	71
69	Experimental investigation on concrete-filled stainless steel stiffened tubular stub columns. <i>Engineering Structures</i> , 2009, 31, 300-307.	2.6	72