

Man-Tai Chen

List of Publications by Year in descending order

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34
papers

1,800
citations

236833

25
h-index

377752

34
g-index

34
all docs

34
docs citations

34
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress concentrations and fatigue behavior of bird-beak SHS overlap K-joints subjected to brace in-plane force. Thin-Walled Structures, 2021, 161, 107446.	2.7	3
2	Experimental investigation on cold-formed steel lipped channel beams affected by local-distortional interaction under non-uniform bending. Thin-Walled Structures, 2021, 161, 107494.	2.7	63
3	Beam-column design of cold-formed steel semi-oval hollow non-slender sections. Thin-Walled Structures, 2021, 162, 107376.	2.7	60
4	Stress concentration factors of brace in-plane loaded bird-beak SHS gap K-joints. Journal of Constructional Steel Research, 2021, 181, 106592.	1.7	1
5	Post-fire residual material properties of cold-formed steel elliptical hollow sections. Journal of Constructional Steel Research, 2021, 183, 106723.	1.7	45
6	Numerical analysis and design of cold-formed steel elliptical hollow sections under combined compression and bending. Engineering Structures, 2021, 241, 112417.	2.6	52
7	Mode Interaction in Cold-Formed Steel Members: State-of-Art Report. Ce/Papers, 2021, 4, 34-64.	0.1	3
8	Mechanical properties of cold-formed steel semi-oval hollow sections after exposure to ISO-834 fire. Thin-Walled Structures, 2021, 167, 108202.	2.7	46
9	Fatigue Performance of Bird-Beak SHS Gap K-Joints under Brace In-Plane Force. Journal of Structural Engineering, 2021, 147, .	1.7	26
10	A stress-path dependent stress-strain model for FRP-confined concrete. Engineering Structures, 2020, 203, 109824.	2.6	206
11	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 186-207.	0.4	12
12	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 165-185.	0.4	12
13	Tests of cold-formed normal and high strength steel tubes under tension. Thin-Walled Structures, 2020, 153, 106844.	2.7	52
14	Tensile Tests of Cold-Formed Stainless Steel Tubes. Journal of Structural Engineering, 2020, 146, .	1.7	46
15	Beam-column tests of cold-formed steel elliptical hollow sections. Engineering Structures, 2020, 210, 109911.	2.6	68
16	A path dependent constitutive model for CFFT column. Engineering Structures, 2020, 210, 110367.	2.6	158
17	Experimental investigation on cold-formed steel stiffened lipped channel columns undergoing local-distortional interaction. Thin-Walled Structures, 2020, 150, 106682.	2.7	76
18	Tests of Cold-Formed Steel Semi-Oval Hollow Section Members under Eccentric Axial Load. Journal of Structural Engineering, 2020, 146, .	1.7	60

#	ARTICLE	IF	CITATIONS
19	Uniformly bent CFS lipped channel beams experiencing local-distortional interaction: Experimental investigation. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106098.	1.7	44
20	A path dependent stress-strain model for concrete-filled-steel-tube column. <i>Engineering Structures</i> , 2020, 211, 110312.	2.6	179
21	Experimental investigation on hollow-steel-tube columns with external confinements. <i>Journal of Constructional Steel Research</i> , 2020, 166, 105865.	1.7	60
22	Uni-axial behaviour of externally confined UHSCFST columns. <i>Thin-Walled Structures</i> , 2019, 142, 19-36.	2.7	105
23	Mechanical properties and cross-sectional behavior of additively manufactured high strength steel tubular sections. <i>Thin-Walled Structures</i> , 2019, 144, 106158.	2.7	53
24	Engineering modular integrated construction for high-rise building: a case study in Hong Kong. <i>Proceedings of the Institution of Civil Engineers: Civil Engineering</i> , 2019, 172, 51-57.	0.3	14
25	Behavior of cold-formed steel elliptical hollow sections subjected to bending. <i>Journal of Constructional Steel Research</i> , 2019, 158, 317-330.	1.7	48
26	Behavior and design of cold-formed and hot-finished steel elliptical tubular stub columns. <i>Journal of Constructional Steel Research</i> , 2019, 156, 252-265.	1.7	33
27	Structural behavior of cold-formed steel semi-oval hollow section beams. <i>Engineering Structures</i> , 2019, 185, 400-411.	2.6	40
28	Compression Tests of Cold-Formed Steel C- and Z-Sections with Different Stiffeners. <i>Journal of Structural Engineering</i> , 2019, 145, .	1.7	23
29	Structural performance of cold-formed steel elliptical hollow section pin-ended columns. <i>Thin-Walled Structures</i> , 2019, 136, 267-279.	2.7	42
30	Material properties and structural behavior of cold-formed steel elliptical hollow section stub columns. <i>Thin-Walled Structures</i> , 2019, 134, 111-126.	2.7	69
31	Cross-sectional behavior of cold-formed steel semi-oval hollow sections. <i>Engineering Structures</i> , 2018, 177, 318-330.	2.6	53
32	Experimental and numerical investigation on cold-formed steel semi-oval hollow section compression members. <i>Journal of Constructional Steel Research</i> , 2018, 151, 174-184.	1.7	44
33	Concurrent flexural strength and ductility design of RC beams via strain-gradient-dependent concrete stress-strain curve. <i>Structural Design of Tall and Special Buildings</i> , 2015, 24, 629-652.	0.9	3
34	Combined strain gradient and concrete strength effects on flexural strength and ductility design of RC columns. <i>Computers and Concrete</i> , 2015, 15, 607-642.	0.7	1