

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	A stress-path dependent stress-strain model for FRP-confined concrete. Engineering Structures, 2020, 203, 109824.	2.6	206
2	A path dependent stress-strain model for concrete-filled-steel-tube column. Engineering Structures, 2020, 211, 110312.	2.6	179
3	A path dependent constitutive model for CFFT column. Engineering Structures, 2020, 210, 110367.	2.6	158
4	Uni-axial behaviour of externally confined UHSCFST columns. Thin-Walled Structures, 2019, 142, 19-36.	2.7	105
5	Experimental investigation on cold-formed steel stiffened lipped channel columns undergoing local-distortional interaction. Thin-Walled Structures, 2020, 150, 106682.	2.7	76
6	Material properties and structural behavior of cold-formed steel elliptical hollow section stub columns. Thin-Walled Structures, 2019, 134, 111-126.	2.7	69
7	Beam-column tests of cold-formed steel elliptical hollow sections. Engineering Structures, 2020, 210, 109911.	2.6	68
8	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
9	Tests of Cold-Formed Steel Semi-Oval Hollow Section Members under Eccentric Axial Load. Journal of Structural Engineering, 2020, 146, .	1.7	60
10	Beam-column design of cold-formed steel semi-oval hollow non-slender sections. Thin-Walled Structures, 2021, 162, 107376.	2.7	60
11	Experimental investigation on hollow-steel-tube columns with external confinements. Journal of Constructional Steel Research, 2020, 166, 105865.	1.7	60
12	Cross-sectional behavior of cold-formed steel semi-oval hollow sections. Engineering Structures, 2018, 177, 318-330.	2.6	53
13	Mechanical properties and cross-sectional behavior of additively manufactured high strength steel tubular sections. Thin-Walled Structures, 2019, 144, 106158.	2.7	53
14	Tests of cold-formed normal and high strength steel tubes under tension. Thin-Walled Structures, 2020, 153, 106844.	2.7	52
15	Numerical analysis and design of cold-formed steel elliptical hollow sections under combined compression and bending. Engineering Structures, 2021, 241, 112417.	2.6	52
16	Behavior of cold-formed steel elliptical hollow sections subjected to bending. Journal of Constructional Steel Research, 2019, 158, 317-330.	1.7	48
17	Tensile Tests of Cold-Formed Stainless Steel Tubes. Journal of Structural Engineering, 2020, 146, .	1.7	46
18	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

#	ARTICLE	IF	CITATIONS
19	Post-fire residual material properties of cold-formed steel elliptical hollow sections. Journal of Constructional Steel Research, 2021, 183, 106723.	1.7	45
20	Experimental and numerical investigation on cold-formed steel semi-oval hollow section compression members. Journal of Constructional Steel Research, 2018, 151, 174-184.	1.7	44
21	Uniformly bent CFS lipped channel beams experiencing local-distortional interaction: Experimental investigation. Journal of Constructional Steel Research, 2020, 170, 106098.	1.7	44
22	Structural performance of cold-formed steel elliptical hollow section pin-ended columns. Thin-Walled Structures, 2019, 136, 267-279.	2.7	42
23	Structural behavior of cold-formed steel semi-oval hollow section beams. Engineering Structures, 2019, 185, 400-411.	2.6	40
24	Behavior and design of cold-formed and hot-finished steel elliptical tubular stub columns. Journal of Constructional Steel Research, 2019, 156, 252-265.	1.7	33
25	Fatigue Performance of Bird-Beak SHS Gap K-Joints under Brace In-Plane Force. Journal of Structural Engineering, 2021, 147, .	1.7	26
26	Compression Tests of Cold-Formed Steel C- and Z-Sections with Different Stiffeners. Journal of Structural Engineering, 2019, 145, .	1.7	23
27	Engineering modular integrated construction for high-rise building: a case study in Hong Kong. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2019, 172, 51-57.	0.3	14
28	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 186-207.	0.4	12
29	Mode interaction in cold-formed steel members: state-of-art report. Steel Construction, 2020, 13, 165-185.	0.4	12
30	Concurrent flexural strength and ductility design of RC beams via strain-gradient-dependent concrete stress-strain curve. Structural Design of Tall and Special Buildings, 2015, 24, 629-652.	0.9	3
31	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
32	Mode Interaction in Cold-Formed Steel Members: State-of-Art Report. Ce/Papers, 2021, 4, 34-64.	0.1	3
33	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
34	Combined strain gradient and concrete strength effects on flexural strength and ductility design of RC columns. Computers and Concrete, 2015, 15, 607-642.	0.7	1