

Ben Mou

List of Publications by Year in descending order

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45
papers

1,364
citations

471509

17
h-index

345221

36
g-index

45
all docs

45
docs citations

45
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of the effects of building dimensional variation on wind pressure distribution. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2017, 11, 293-309.	3.1	169
2	Social problems of green buildings: From the humanistic needs to social acceptance. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1594-1609.	16.4	155
3	Experimental investigation on shear behavior of steel beam-to-CFST column connections with irregular panel zone. <i>Engineering Structures</i> , 2018, 168, 487-504.	5.3	122
4	Mechanical and interface bonding properties of epoxy resin reinforced Portland cement repairing mortar. <i>Construction and Building Materials</i> , 2020, 264, 120715.	7.2	88
5	Shear Behavior of Panel Zones in Steel Beam-to-Column Connections with Unequal Depth of Outer Annular Stiffener. <i>Journal of Structural Engineering</i> , 2019, 145, .	3.4	84
6	Flexural behavior of beam to column joints with or without an overlying concrete slab. <i>Engineering Structures</i> , 2019, 199, 109616.	5.3	80
7	Overview of rural building energy efficiency in China. <i>Energy Policy</i> , 2014, 69, 385-396.	8.8	75
8	Seismic behaviour of the corner joints of a frame under biaxial cyclic loading. <i>Engineering Structures</i> , 2019, 196, 109316.	5.3	66
9	Structure-controlled three-dimensional BiOI/MoS ₂ microspheres for boosting visible-light photocatalytic degradation of tetracycline. <i>Journal of Alloys and Compounds</i> , 2021, 852, 157026.	5.5	65
10	Seismic behavior of exposed concrete filled steel tube column bases with embedded reinforcing bars: Experimental investigation. <i>Thin-Walled Structures</i> , 2019, 136, 367-381.	5.3	56
11	Post-local buckling failure of slender and over-design circular CFT columns with high-strength materials. <i>Engineering Structures</i> , 2020, 210, 110197.	5.3	49
12	Bi-directional seismic behavior of steel beam-column connections with outer annular stiffener. <i>Engineering Structures</i> , 2021, 227, 111443.	5.3	32
13	Effect of reinforced concrete slab on the flexural behavior of composite beam to column joints: Parameter study and evaluation formulae. <i>Journal of Constructional Steel Research</i> , 2021, 176, 106425.	3.9	27
14	Numerical evaluation on shear behavior of irregular steel beam-to-CFST column connections. <i>Journal of Constructional Steel Research</i> , 2018, 148, 422-435.	3.9	26
15	Residual Strength of Steel-Reinforced Concrete-Filled Square Steel Tubular (SRCFST) Stub Columns After Exposure to ISO-834 Standard Fire. <i>International Journal of Steel Structures</i> , 2019, 19, 850-866.	1.3	25
16	The combination of digital technology and architectural design to develop a process for enhancing energy-saving: The case of Maanshan China. <i>Technology in Society</i> , 2014, 39, 77-87.	9.4	21
17	Experimental study on axial compressive behavior of CFRP confined square timber filled steel tube stub columns. <i>Structures</i> , 2020, 24, 823-834.	3.6	18
18	Experimental investigation of unequal-depth-beam-to-column joints with t-shape connector. <i>Engineering Structures</i> , 2018, 174, 663-674.	5.3	17

#	ARTICLE	IF	CITATIONS
19	Seismic behavior of a novel beam to reinforced concrete-filled steel tube column joint. Journal of Constructional Steel Research, 2021, 187, 106931.	3.9	16
20	Numerical modeling on post-local buckling behavior of circular and square concrete-filled steel tubular beam columns. International Journal of Steel Structures, 2016, 16, 531-546.	1.3	15
21	Column base joint made with ultrahigh-strength steel bars and steel tubular: An experimental study. Engineering Structures, 2021, 228, 111483.	5.3	14
22	Connection behavior of CFST column-to-beam joint implanted by steel rebars under cyclic loading. Engineering Structures, 2021, 246, 113036.	5.3	14
23	Finite element simulations of unequal-depth panel zones in steel beam-to-tubular column joints. Journal of Constructional Steel Research, 2019, 162, 105702.	3.9	12
24	Flexural behavior of a novel high-strength RCFST column-to-column connection. Thin-Walled Structures, 2021, 159, 107274.	5.3	12
25	Numerical investigation and design method of bolted beam-column joint panel with eccentricity in beam depths. Journal of Constructional Steel Research, 2021, 180, 106568.	3.9	12
26	Tunnel millisecond-delay controlled blasting based on the delay time calculation method and digital electronic detonators to reduce structure vibration effects. PLoS ONE, 2019, 14, e0212745.	2.5	10
27	Seismic collapse analysis of high-rise reinforced concrete frames under long-period ground motions. Structural Design of Tall and Special Buildings, 2019, 28, e1566.	1.9	10
28	Seismic performance of beam-column connections with welded upper flange and bolted lower flange. Journal of Constructional Steel Research, 2021, 182, 106697.	3.9	10
29	Mechanical properties of modular prefabricated steel-concrete composite internal joints under cyclic loading. Journal of Constructional Steel Research, 2021, 178, 106463.	3.9	8
30	The assessment of building energy efficiency in China rural society: Developing a new theoretical construct. Technology in Society, 2014, 38, 130-138.	9.4	7
31	Restoring force model for modular prefabricated steel-reinforced concrete column to H-shaped steel beam composite joints. Journal of Building Engineering, 2021, 42, 102845.	3.4	7
32	Axial compressive behavior of reinforced concrete-filled stainless steel tube (RCFSST) stub columns: Experimental research. Journal of Building Engineering, 2021, 44, 103431.	3.4	5
33	Unequal depth beam-column joints with H-shaped damper: Parametric study and design method. Engineering Structures, 2022, 252, 113550.	5.3	5
34	Seismic performance of CFST column to steel beam joint with outer annular stiffener. Journal of Building Engineering, 2022, 54, 104679.	3.4	5
35	Cyclic testing on prefabricated joints for steel beam to concrete-filled steel tubular column. Journal of Constructional Steel Research, 2022, 194, 107345.	3.9	5
36	Stress Response and Damage Characteristics of Local Members of a Structure due to Tunnel Blasting Vibrations Based on the High-Order Local Modal Analysis. Shock and Vibration, 2019, 2019, 1-18.	0.6	4

#	ARTICLE	IF	CITATIONS
37	Experimental and numerical study on the seismic performance of an L-shaped double-steel plate composite shear wall. <i>Journal of Building Engineering</i> , 2022, 49, 104015.	3.4	4
38	Fiber Bragg Grating Sensors for Pile Jacking Monitoring in Clay Soil. <i>Sensors</i> , 2020, 20, 5239.	3.8	3
39	Experimental and finite element analysis of modular prefabricated composite beam-column interior joints. <i>Journal of Building Engineering</i> , 2021, 43, 102853.	3.4	3
40	Compressive behavior of bolted built-up H-section column using high-strength steel. <i>Thin-Walled Structures</i> , 2022, 171, 108818.	5.3	3
41	HSS steel corner column to H-beam joints under cyclic bidirectional loadings: Experiment, numerical modeling, and calculation. <i>Journal of Constructional Steel Research</i> , 2022, 192, 107239.	3.9	2
42	Flexure behavior of composite beam to CFST column connection: Numerical investigation and theoretical design formulae. <i>Journal of Building Engineering</i> , 2022, 51, 104210.	3.4	2
43	The Influence of Column-to-Beam Strength Ratio on Seismic Performance of Concrete Filled Tube Moment-Resistant Frames. <i>Advanced Materials Research</i> , 0, 255-260, 2335-2340.	0.3	1
44	Compressive behavior of bolted built-up steel columns fabricated using angle section columns. <i>Journal of Building Engineering</i> , 2021, 44, 103260.	3.4	0
45	Shear behavior of panel zone with an eccentricity between beam depths: Parameter study and design methodology. <i>Journal of Building Engineering</i> , 2022, 46, 103690.	3.4	0