

Yan-Bo Wang

List of Publications by Year in descending order

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71
papers

1,512
citations

279487

23
h-index

329751

37
g-index

71
all docs

71
docs citations

71
times ranked

552
citing authors

#	ARTICLE	IF	CITATIONS
1	Bending behavior of splice connection for corner-supported steel modular buildings. <i>Engineering Structures</i> , 2022, 250, 113460.	2.6	19
2	Local buckling and hysteretic behavior of thin-walled Q690 high-strength steel H-section beam-columns. <i>Engineering Structures</i> , 2022, 252, 113729.	2.6	3
3	Experimental and numerical study of beam-through energy-dissipative rocking columns for mitigating seismic responses. <i>Journal of Constructional Steel Research</i> , 2022, 189, 107097.	1.7	11
4	Application of seismic resilient energy-dissipative rocking columns with HSS tension braces in steel frames. <i>Engineering Structures</i> , 2022, 253, 113812.	2.6	19
5	Buckling analysis and experimental study of simply-supported single-corrugation steel plates subjected to compression. <i>Thin-Walled Structures</i> , 2022, 172, 108850.	2.7	2
6	Experimental study on demountable steel ultra-high performance concrete composite slabs under hogging moment. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, .	1.9	2
7	Application of self-centring hybrid rocking columns in steel frames. <i>Journal of Constructional Steel Research</i> , 2022, 195, 107349.	1.7	2
8	Experimental and numerical study on strength of high-strength steel double-V butt-welded joint. <i>Journal of Constructional Steel Research</i> , 2022, 196, 107397.	1.7	5
9	Constitutive model for cyclic behavior of mild steel under various strain amplitudes. <i>Journal of Constructional Steel Research</i> , 2022, 196, 107396.	1.7	8
10	Mechanical behaviour of longitudinal lap-welded joints of high strength steel: Experimental and numerical analysis. <i>Thin-Walled Structures</i> , 2021, 159, 107286.	2.7	10
11	Hysteretic behavior of high strength steels under cyclic loading. , 2021, , 63-92.		0
12	Bolted connections. , 2021, , 493-564.		0
13	Uniform material model for constructional steel. , 2021, , 93-151.		0
14	Hysteretic behavior of high-strength steel columns. , 2021, , 357-412.		0
15	Welded connections. , 2021, , 565-612.		0
16	Analysis of fracture behavior of high-strength steels in tension after fire exposure. <i>Engineering Structures</i> , 2021, 231, 111750.	2.6	10
17	A fast calibration approach of modified Chaboche hardening rule for low yield point steel, mild steel and high strength steels. <i>Journal of Building Engineering</i> , 2021, 38, 102168.	1.6	7
18	Simplified method to identify full von Mises stress-strain curve of structural metals. <i>Journal of Constructional Steel Research</i> , 2021, 181, 106624.	1.7	20

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19	A new constitutive model for high strength structural steels. Journal of Constructional Steel Research, 2021, 182, 106646.	1.7	15
20	Effect of bolt pre-tension on the bearing behavior of high strength steel connections. Engineering Structures, 2021, 241, 112491.	2.6	7
21	Experimental Research on Fatigue Performance of Corroded Q690 High-Strength Steel. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	7
22	Experimental study on the strength and fracture behaviour of fillet welded joints made of high strength steel under multiple loading angles. Thin-Walled Structures, 2021, 169, 108295.	2.7	1
23	Behavior and design of high-strength steel members under bending moment. , 2021, , 271-304.		1
24	Behavior and design of high-strength steel members under compression. , 2021, , 207-270.		0
25	Experimental study on seismic performance of ultrahigh-strength steel frames with buckling-restrained braces. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	2
26	A reexamination of high strength steel yield criterion. Construction and Building Materials, 2020, 230, 116945.	3.2	24
27	Mechanical properties of mismatched high strength steel butt joints with three softened/hardened strength distribution patterns. Thin-Walled Structures, 2020, 146, 106456.	2.7	11
28	Effects of coarse aggregates on physical and mechanical properties of C170/185 ultra-high strength concrete and compressive behaviour of CFST columns. Construction and Building Materials, 2020, 240, 117967.	3.2	31
29	Numerical investigation on cyclic behavior of Q690 high strength steel beam-columns. Journal of Constructional Steel Research, 2020, 167, 105814.	1.7	10
30	Experimental and numerical investigation on flexural-torsional buckling of Q460 steel beams. Journal of Constructional Steel Research, 2020, 174, 106276.	1.7	9
31	Fracture behavior of high-strength steels at elevated temperatures. Journal of Constructional Steel Research, 2020, 175, 106385.	1.7	10
32	Experimental study on ultra-high performance concrete under triaxial compression. Construction and Building Materials, 2020, 263, 120225.	3.2	45
33	State-of-the-art on resistance of bearing-type bolted connections in high strength steel. Frontiers of Structural and Civil Engineering, 2020, 14, 569-585.	1.2	5
34	Hysteretic model of Q690 high-strength steel beam-columns considering cyclic deterioration. Journal of Constructional Steel Research, 2020, 172, 106158.	1.7	5
35	Slip factor between shot blasted mild steel and high strength steel surfaces. Journal of Constructional Steel Research, 2020, 168, 105969.	1.7	8
36	Ductile fracture of high strength steel under multi-axial loading. Engineering Structures, 2020, 210, 110401.	2.6	35

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37	Slip factor of high strength steel with inorganic zinc-rich coating. Thin-Walled Structures, 2020, 148, 106595.	2.7	7
38	Behavior-Based Resistance Model for Bearing-Type Connection in High-Strength Steels. Journal of Structural Engineering, 2020, 146, .	1.7	10
39	Bearing behavior of multi-bolt high strength steel connections. Engineering Structures, 2020, 212, 110510.	2.6	34
40	Mechanical behavior of transverse fillet welded joints of high strength steel using digital image correlation techniques. Journal of Constructional Steel Research, 2019, 162, 105710.	1.7	13
41	Seismic performance improvement of tension-only-braced frames with Energy-Dissipative Rocking Columns. Engineering Structures, 2019, 196, 109286.	2.6	11
42	Bearing-strength of high strength steel plates in two-bolt connections. Journal of Constructional Steel Research, 2019, 155, 205-218.	1.7	25
43	Use of energy-dissipative rocking columns to enhance seismic performance of buckling-restrained braced frames. Journal of Constructional Steel Research, 2019, 159, 548-559.	1.7	17
44	Experimental study on seismic performance of RC frames with Energy-Dissipative Rocking Column system. Engineering Structures, 2019, 194, 406-419.	2.6	8
45	Moment resistance of blind-bolted SHS column splice joint subjected to eccentric compression. Thin-Walled Structures, 2019, 141, 184-193.	2.7	10
46	Slip factors of high strength steels with shot blasted surface. Journal of Constructional Steel Research, 2019, 157, 10-18.	1.7	15
47	Experimental investigation on cyclic behavior of Q690D high strength steel H-section beam-columns about strong axis. Engineering Structures, 2019, 189, 157-173.	2.6	33
48	Experimental investigation on mechanical behaviours of TMCP high strength steel. Construction and Building Materials, 2019, 200, 664-680.	3.2	35
49	Experimental study on the behavior of mismatched butt welded joints of high strength steel. Journal of Constructional Steel Research, 2019, 153, 196-208.	1.7	35
50	Numerical analysis on the ultimate bearing resistance of single-bolt connection with high strength steels. Journal of Constructional Steel Research, 2019, 153, 118-129.	1.7	28
51	Q460C welded box-section columns under eccentric compression. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2018, 171, 611-624.	0.4	5
52	Theoretical investigations on load-bearing capacity of RC flat-plate framed structures subject to middle column loss. Structural Design of Tall and Special Buildings, 2018, 27, e1458.	0.9	2
53	Strength model for mismatched butt welded joints of high strength steel. Journal of Constructional Steel Research, 2018, 150, 514-527.	1.7	12
54	Experimental cyclic behavior and constitutive modeling of high strength structural steels. Construction and Building Materials, 2018, 189, 1264-1285.	3.2	59

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55	Ultimate resistance behavior of rectangular concrete-filled tubular beam-columns made of high-strength steel. <i>Journal of Constructional Steel Research</i> , 2017, 133, 418-433.	1.7	40
56	08.05: Design of high strength concrete filled tubular columns. <i>Ce/Papers</i> , 2017, 1, 1869-1878.	0.1	0
57	01.08: Bolted bearing connection with high strength steel and grade 12.9 bolt. <i>Ce/Papers</i> , 2017, 1, 225-233.	0.1	0
58	Behavior of single bolt bearing on high strength steel plate. <i>Journal of Constructional Steel Research</i> , 2017, 137, 19-30.	1.7	60
59	Evaluation and prediction of cyclic response of Q690D steel. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2017, 170, 788-803.	0.4	18
60	Constitutive model for confined ultra-high strength concrete in steel tube. <i>Construction and Building Materials</i> , 2016, 126, 812-822.	3.2	33
61	Behavior of Q690 high-strength steel columns: Part 2: Parametric study and design recommendations. <i>Journal of Constructional Steel Research</i> , 2016, 122, 379-394.	1.7	36
62	Experimental and numerical investigations of Q690D H-section columns under lateral cyclic loading. <i>Journal of Constructional Steel Research</i> , 2016, 121, 268-281.	1.7	23
63	Behavior of Q690 high-strength steel columns: Part 1: Experimental investigation. <i>Journal of Constructional Steel Research</i> , 2016, 123, 18-30.	1.7	73
64	Experimental Study of Ultra-High-Strength Concrete under Triaxial Compression. <i>ACI Materials Journal</i> , 2016, 113, .	0.3	8
65	Residual stress tests of welded Q690 high-strength steel box- and H-sections. <i>Journal of Constructional Steel Research</i> , 2015, 115, 283-289.	1.7	68
66	Experimental investigation and modeling of cyclic behavior of high strength steel. <i>Journal of Constructional Steel Research</i> , 2015, 104, 37-48.	1.7	62
67	Experimental and numerical study on the behavior of axially compressed high strength steel box-columns. <i>Engineering Structures</i> , 2014, 58, 79-91.	2.6	104
68	Seismic behavior of high strength steel welded beam-column members. <i>Journal of Constructional Steel Research</i> , 2014, 102, 245-255.	1.7	50
69	The assessment of residual stresses in welded high strength steel box sections. <i>Journal of Constructional Steel Research</i> , 2012, 76, 93-99.	1.7	84
70	Experimental and numerical study on the behavior of axially compressed high strength steel columns with H-section. <i>Engineering Structures</i> , 2012, 43, 149-159.	2.6	83
71	Residual stresses in welded flame-cut high strength steel H-sections. <i>Journal of Constructional Steel Research</i> , 2012, 79, 159-165.	1.7	67