

Richard Liew

List of Publications by Year in descending order

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188
papers

6,320
citations

47006

47
h-index

88630

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191
all docs

191
docs citations

191
times ranked

1959
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial performance of short concrete filled steel tubes with high- and ultra-high- strength materials. <i>Engineering Structures</i> , 2017, 136, 494-510.	5.3	283
2	Design of Concrete Filled Tubular Beam-columns with High Strength Steel and Concrete. <i>Structures</i> , 2016, 8, 213-226.	3.6	159
3	Impact tests on steel-concrete-steel sandwich beams with lightweight concrete core. <i>Engineering Structures</i> , 2009, 31, 2045-2059.	5.3	155
4	Lightweight steel-concrete-steel sandwich system with J-hook connectors. <i>Engineering Structures</i> , 2009, 31, 1166-1178.	5.3	148
5	Second-Order Refined Plastic-Hinge Analysis for Frame Design. Part I. <i>Journal of Structural Engineering</i> , 1993, 119, 3196-3216.	3.4	141
6	Steel concrete composite systems for modular construction of high-rise buildings. <i>Structures</i> , 2019, 21, 135-149.	3.6	137
7	Mechanical properties of normal strength mild steel and high strength steel S690 in low temperature relevant to Arctic environment. <i>Materials & Design</i> , 2014, 61, 150-159.	5.1	119
8	Behaviour of steel tubular members infilled with ultra high strength concrete. <i>Journal of Constructional Steel Research</i> , 2017, 138, 168-183.	3.9	117
9	Ultra-High Strength Concrete Filled Composite Columns for Multi-Storey Building Construction. <i>Advances in Structural Engineering</i> , 2012, 15, 1487-1503.	2.4	116
10	Transverse impact resistance of hollow and concrete filled stainless steel columns. <i>Journal of Constructional Steel Research</i> , 2013, 82, 177-189.	3.9	109
11	Experimental and analytical study on ultimate strength behavior of steel-concrete-steel sandwich composite beam structures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 1523-1544.	3.1	95
12	Mechanical behaviour of ultra-high strength concrete at elevated temperatures and fire resistance of ultra-high strength concrete filled steel tubes. <i>Materials and Design</i> , 2016, 104, 414-427.	7.0	95
13	Behavior of steel-concrete-steel sandwich slabs subject to impact load. <i>Journal of Constructional Steel Research</i> , 2014, 100, 163-175.	3.9	89
14	Structural behaviour of steel-concrete-steel sandwich composite wall subjected to compression and end moment. <i>Thin-Walled Structures</i> , 2016, 98, 592-606.	5.3	87
15	Nonlinear analysis of concrete-filled thin-walled steel box columns with local buckling effects. <i>Journal of Constructional Steel Research</i> , 2006, 62, 581-591.	3.9	86
16	Behavior of Steel-Concrete-Steel sandwich structures with lightweight cement composite and novel shear connectors. <i>Composite Structures</i> , 2012, 94, 3500-3509.	5.8	85
17	Flexural performance of concrete filled tubes with high tensile steel and ultra-high strength concrete. <i>Journal of Constructional Steel Research</i> , 2017, 132, 191-202.	3.9	85
18	Steel-Concrete-Steel sandwich slabs with lightweight core - Static performance. <i>Engineering Structures</i> , 2011, 33, 981-992.	5.3	84

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19	Novel Steel-Concrete-Steel Sandwich Composite Plates Subject to Impact and Blast Load. <i>Advances in Structural Engineering</i> , 2011, 14, 673-687.	2.4	81
20	Experimental behavior of cement filled pipe-in-pipe composite structures under transverse impact. <i>International Journal of Impact Engineering</i> , 2014, 72, 1-16.	5.0	81
21	Impact behaviour of pre-compressed hollow and concrete filled mild and stainless steel columns. <i>Journal of Constructional Steel Research</i> , 2014, 96, 54-68.	3.9	80
22	Evaluation of compressive behavior of ultra-lightweight cement composite after elevated temperature exposure. <i>Construction and Building Materials</i> , 2017, 148, 579-589.	7.2	78
23	Survivability of steel frame structures subject to blast and fire. <i>Journal of Constructional Steel Research</i> , 2008, 64, 854-866.	3.9	77
24	Local buckling of steel plates in concrete-filled thin-walled steel tubular beam-column. <i>Journal of Constructional Steel Research</i> , 2007, 63, 396-405.	3.9	76
25	Effect of preload on the axial capacity of concrete-filled composite columns. <i>Journal of Constructional Steel Research</i> , 2009, 65, 709-722.	3.9	76
26	Mechanical properties and microstructure of ultra-lightweight cement composites with fly ash cenospheres after exposure to high temperatures. <i>Construction and Building Materials</i> , 2018, 164, 760-774.	7.2	76
27	Explosion and Fire Analysis of Steel Frames Using Fiber Element Approach. <i>Journal of Structural Engineering</i> , 2004, 130, 991-1000.	3.4	75
28	Mechanical properties of heat-treated high tensile structural steel at elevated temperatures. <i>Thin-Walled Structures</i> , 2016, 98, 169-176.	5.3	75
29	Steel-concrete-steel sandwich composite structures-recent innovations. <i>Journal of Constructional Steel Research</i> , 2017, 130, 202-221.	3.9	73
30	Modelling of connections and lateral behavior of high-rise modular steel buildings. <i>Journal of Constructional Steel Research</i> , 2020, 166, 105901.	3.9	70
31	Steel-concrete-steel sandwich system in Arctic offshore structure: Materials, experiments, and design. <i>Materials and Design</i> , 2016, 91, 111-121.	7.0	68
32	Flexural fatigue behavior of ultra-lightweight cement composite and high strength lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2018, 173, 90-100.	7.2	67
33	Inelastic Analysis of Steel Frames with Composite Beams. <i>Journal of Structural Engineering</i> , 2001, 127, 194-202.	3.4	66
34	Experimental study on high strength concrete encased steel composite short columns. <i>Construction and Building Materials</i> , 2019, 228, 116640.	7.2	62
35	Nonlinear finite element modelling and parametric study of curved steel-concrete-steel double skin composite panels infilled with ultra-lightweight cement composite. <i>Construction and Building Materials</i> , 2015, 95, 922-938.	7.2	60
36	Compressive resistance of steel-concrete-steel sandwich composite walls with J-hook connectors. <i>Journal of Constructional Steel Research</i> , 2016, 124, 142-162.	3.9	58

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37	Spalling behavior and residual resistance of fibre reinforced Ultra-High performance concrete after exposure to high temperatures. <i>Materiales De Construccion</i> , 2015, 65, e071.	0.7	58
38	Stability of buckling-restrained steel plate shear walls with inclined-slots: Theoretical analysis and design recommendations. <i>Journal of Constructional Steel Research</i> , 2016, 117, 13-23.	3.9	57
39	Behavior of high strength concrete encased steel composite stub columns with C130 concrete and S690 steel. <i>Engineering Structures</i> , 2019, 200, 109743.	5.3	56
40	Buckling behaviour of high strength concrete encased steel composite columns. <i>Journal of Constructional Steel Research</i> , 2019, 154, 27-42.	3.9	56
41	Nonlinear analysis of steel-concrete composite beams curved in plan. <i>Finite Elements in Analysis and Design</i> , 1999, 32, 125-139.	3.2	55
42	Push-out tests on J-hook connectors in steel-concrete-steel sandwich structure. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1693-1714.	3.1	54
43	Numerical modelling of lightweight Steel-Concrete-Steel sandwich composite beams subjected to impact. <i>Thin-Walled Structures</i> , 2015, 94, 135-146.	5.3	54
44	Impact of cement composite filled steel tubes: An experimental, numerical and theoretical treatise. <i>Thin-Walled Structures</i> , 2015, 87, 76-88.	5.3	54
45	Fatigue performance of lightweight steel-concrete-steel sandwich systems. <i>Journal of Constructional Steel Research</i> , 2010, 66, 256-276.	3.9	53
46	Theoretical models for axially restrained steel-concrete-steel sandwich panels under blast loading. <i>International Journal of Impact Engineering</i> , 2015, 76, 221-231.	5.0	49
47	Damage plasticity based numerical analysis on steel-concrete-steel sandwich shells used in the Arctic offshore structure. <i>Engineering Structures</i> , 2016, 117, 542-559.	5.3	48
48	Mechanical properties of high tensile steel cables at elevated temperatures. <i>Construction and Building Materials</i> , 2018, 182, 52-65.	7.2	48
49	Mechanical properties of ultra-lightweight cement composite at low temperatures of 0 to 60°C. <i>Cement and Concrete Composites</i> , 2016, 73, 289-298.	10.7	47
50	Second-Order Refined Plastic Hinge Analysis for Frame Design. Part II. <i>Journal of Structural Engineering</i> , 1993, 119, 3217-3236.	3.4	45
51	Lightweight steel-concrete-steel sandwich composite shell subject to punching shear. <i>Ocean Engineering</i> , 2015, 102, 146-161.	4.3	44
52	Design and behavior of steel-concrete-steel sandwich plates subject to concentrated loads. <i>Composite Structures</i> , 2016, 150, 139-152.	5.8	44
53	Experimental study to differentiate mechanical behaviours of TMCP and QT high strength steel at elevated temperatures. <i>Construction and Building Materials</i> , 2020, 242, 118105.	7.2	42
54	Tensile resistance of J-hook connectors used in Steel-Concrete-Steel sandwich structure. <i>Journal of Constructional Steel Research</i> , 2014, 100, 146-162.	3.9	41

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55	Structural behaviour of double skin composite system using ultra-lightweight cement composite. <i>Construction and Building Materials</i> , 2015, 86, 51-63.	7.2	41
56	Assessment of high-strength concrete encased steel composite columns subject to axial compression. <i>Journal of Constructional Steel Research</i> , 2020, 164, 105765.	3.9	41
57	Limit states design of semi-rigid frames using advanced analysis: Part 1: Connection modeling and classification. <i>Journal of Constructional Steel Research</i> , 1993, 26, 1-27.	3.9	40
58	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.	3.9	40
59	Notional Load Plastic Hinge Method for Frame Design. <i>Journal of Structural Engineering</i> , 1994, 120, 1434-1454.	3.4	39
60	Ultimate strength behavior of steel-concrete-steel sandwich beams with ultra-lightweight cement composite, Part 1: Experimental and analytical study. <i>Steel and Composite Structures</i> , 2014, 17, 907-927.	1.3	38
61	Punching shear resistance of steel-concrete-steel sandwich composite shell structure. <i>Engineering Structures</i> , 2016, 117, 470-485.	5.3	36
62	Experimental and numerical investigation of novel partially connected steel plate shear walls. <i>Journal of Constructional Steel Research</i> , 2017, 132, 1-15.	3.9	36
63	Seismic behavior of novel partially connected buckling-restrained steel plate shear walls. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 103, 64-75.	3.8	36
64	Hysteresis model of a novel partially connected buckling-restrained steel plate shear wall. <i>Journal of Constructional Steel Research</i> , 2016, 125, 74-87.	3.9	35
65	Beam-column design in steel frameworks insights on current methods and trends. <i>Journal of Constructional Steel Research</i> , 1991, 18, 269-308.	3.9	34
66	Deployable tension-strut structures: from concept to implementation. <i>Journal of Constructional Steel Research</i> , 2006, 62, 195-209.	3.9	34
67	Punching shear behavior of steel-concrete-steel sandwich composite plate under patch loads. <i>Journal of Constructional Steel Research</i> , 2016, 121, 50-64.	3.9	34
68	Structural Performance of Steel-Concrete-Steel Sandwich Composite Structures. <i>Advances in Structural Engineering</i> , 2010, 13, 453-470.	2.4	33
69	Ultimate strength behaviour of steel-concrete-steel sandwich plate under concentrated loads. <i>Ocean Engineering</i> , 2016, 118, 41-57.	4.3	33
70	Constitutive model for confined ultra-high strength concrete in steel tube. <i>Construction and Building Materials</i> , 2016, 126, 812-822.	7.2	33
71	Investigation on axial load-shortening behaviour of high strength concrete encased steel composite section. <i>Engineering Structures</i> , 2021, 227, 111401.	5.3	33
72	Advanced analysis and design of spatial structures. <i>Journal of Constructional Steel Research</i> , 1997, 42, 21-48.	3.9	32

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73	Steel-concrete-steel sandwich composite structures subjected to extreme loads. <i>International Journal of Steel Structures</i> , 2016, 16, 1009-1028.	1.3	32
74	Experimental study on the spalling behaviour of ultra-high strength concrete in fire. <i>Construction and Building Materials</i> , 2020, 258, 120334.	7.2	32
75	Axial load resistance of grouted sleeve connection for modular construction. <i>Thin-Walled Structures</i> , 2020, 154, 106883.	5.3	32
76	Limit states design of semi-rigid frames using advanced analysis: Part 2: Analysis and design. <i>Journal of Constructional Steel Research</i> , 1993, 26, 29-57.	3.9	31
77	Experimental and numerical studies of non-composite Steel-Concrete-Steel sandwich panels under impulsive loading. <i>Materials & Design</i> , 2015, 81, 104-112.	5.1	31
78	Effects of coarse aggregates on physical and mechanical properties of C170/185 ultra-high strength concrete and compressive behaviour of CFST columns. <i>Construction and Building Materials</i> , 2020, 240, 117967.	7.2	31
79	Crushing of a novel energy absorption connector with curved plate and aluminum foam as energy absorber. <i>Thin-Walled Structures</i> , 2017, 111, 145-154.	5.3	28
80	A unified approach to evaluate axial force-moment interaction curves of concrete encased steel composite columns. <i>Engineering Structures</i> , 2019, 201, 109841.	5.3	28
81	Behaviour and design of horizontally curved steel beams. <i>Journal of Constructional Steel Research</i> , 1995, 32, 37-67.	3.9	27
82	Ultimate strength of steel-concrete-steel sandwich panels under lateral pressure loading. <i>Engineering Structures</i> , 2016, 115, 96-106.	5.3	27
83	Panel action of novel partially connected buckling-restrained steel plate shear walls. <i>Journal of Constructional Steel Research</i> , 2017, 128, 483-497.	3.9	27
84	Advanced Analysis for Performance-based Design of Steel Structures Exposed to Fires. <i>Journal of Structural Engineering</i> , 2002, 128, 1584-1593.	3.4	26
85	A load-indentation formulation for cement composite filled pipe-in-pipe structures. <i>Engineering Structures</i> , 2015, 92, 84-100.	5.3	26
86	Ultimate strength behavior of curved steel-concrete-steel sandwich composite beams. <i>Journal of Constructional Steel Research</i> , 2015, 115, 316-328.	3.9	26
87	Buckling behavior of circular steel tubes infilled with C170/185 ultra-high-strength concrete under fire. <i>Engineering Structures</i> , 2020, 212, 110523.	5.3	25
88	Prediction of fire resistance of concrete encased steel composite columns using artificial neural network. <i>Engineering Structures</i> , 2021, 245, 112877.	5.3	25
89	Experimental investigation of low-velocity impact characteristics of steel-concrete-steel sandwich beams. <i>Steel and Composite Structures</i> , 2003, 3, 289-306.	1.3	25
90	Blast performance of water tank with energy absorbing support. <i>Thin-Walled Structures</i> , 2015, 96, 1-10.	5.3	23

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91	Characteristics of foam sol clay for controlling coal dust. Powder Technology, 2018, 335, 401-408.	4.2	23
92	Experimental study of grouted sleeve connections under bending for steel modular buildings. Engineering Structures, 2021, 243, 112614.	5.3	23
93	Thin-Walled Steel Box Columns under Biaxial Loading. Journal of Structural Engineering, 1989, 115, 2706-2726.	3.4	22
94	Nonlinear Plastic Hinge Analysis of Three-Dimensional Steel Frames in Fire. Journal of Structural Engineering, 2004, 130, 981-990.	3.4	22
95	Progressive collapse mitigation approaches for steel-concrete composite buildings. International Journal of Steel Structures, 2015, 15, 175-191.	1.3	22
96	Behavior of Thin-Walled Steel Box Columns Under Biaxial Loading. Journal of Structural Engineering, 1989, 115, 3076-3094.	3.4	21
97	Axial-moment interaction of high strength concrete encased steel composite columns: Design recommendation. Journal of Constructional Steel Research, 2020, 170, 106136.	3.9	21
98	Reinforced ultra-lightweight cement composite flat slabs: Experiments and analysis. Materials and Design, 2016, 95, 148-158.	7.0	20
99	Robustness analysis of 3D Composite buildings with semi-rigid joints and floor slab. Structures, 2016, 6, 20-29.	3.6	19
100	Experimental and analytical studies of a novel aluminum foam filled energy absorption connector under quasi-static compression loading. Engineering Structures, 2017, 131, 136-147.	5.3	19
101	Design and testing of concrete encased steel composite beam-columns with C90 concrete and S690 steel section. Engineering Structures, 2020, 220, 110995.	5.3	19
102	Analysis and Design of Steel Frames Considering Panel Joint Deformations. Journal of Structural Engineering, 1995, 121, 1531-1540.	3.4	18
103	Experimental investigation on fire resistance of high-strength concrete encased steel composite columns. Fire Safety Journal, 2021, 121, 103273.	3.1	18
104	Analysis of Steel-Concrete Composite Buildings for Blast Induced Progressive Collapse. International Journal of Protective Structures, 2015, 6, 457-485.	2.3	17
105	Advanced analysis of 3D steel framework exposed to compartment fire. Fire and Materials, 2004, 28, 253-267.	2.0	16
106	Structural performance of water tank under static and dynamic pressure loading. International Journal of Impact Engineering, 2015, 85, 110-123.	5.0	16
107	Mechanical properties of 1670MPa parallel wire strands at elevated temperatures. Construction and Building Materials, 2020, 263, 120582.	7.2	16
108	Fire resistance of high-strength steel tubes infilled with ultra-high-strength concrete under compression. Journal of Constructional Steel Research, 2021, 176, 106410.	3.9	16

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109	Considering Catenary Action in Designing End-Restrained Steel Beams in Fire. <i>Advances in Structural Engineering</i> , 2005, 8, 309-324.	2.4	15
110	Experimental and analytical studies of curved steel-concrete-steel sandwich panels under patch loads. <i>Materials and Design</i> , 2016, 93, 104-117.	7.0	15
111	Limit-State Analysis and Design of Cable-Tensioned Structures. <i>International Journal of Space Structures</i> , 2001, 16, 95-110.	1.0	14
112	Axial-moment interaction of high strength concrete encased steel composite columns: Experimental investigation. <i>Journal of Constructional Steel Research</i> , 2020, 175, 106370.	3.9	14
113	Evaluation on thermal behavior of concrete-filled steel tubular columns based on modified finite difference method. <i>Advances in Structural Engineering</i> , 2016, 19, 746-761.	2.4	13
114	Thermo-mechanical behaviour of ultra-high strength concrete encased steel columns in standard fires. <i>Engineering Structures</i> , 2021, 231, 111757.	5.3	13
115	Unified equations to predict residual flexural tensile strength of lightweight steel fiber-reinforced concrete. <i>Structural Concrete</i> , 2021, 22, 2202-2222.	3.1	13
116	Buckling resistance of steel fibre-reinforced concrete encased steel composite columns. <i>Journal of Constructional Steel Research</i> , 2022, 190, 107140.	3.9	13
117	Local buckling of thin-walled steel box columns. <i>Thin-Walled Structures</i> , 1989, 8, 119-145.	5.3	12
118	Welded steel box-columns under biaxial loading. <i>Journal of Constructional Steel Research</i> , 1989, 12, 119-139.	3.9	12
119	Compression-Bending Strength Model for Corrugated Steel Tube Confined Reinforced Concrete Section. <i>Journal of Structural Engineering</i> , 2021, 147, .	3.4	12
120	Enhancing the Robustness of Steel-Concrete Composite Buildings under Column Loss Scenarios. <i>International Journal of Protective Structures</i> , 2015, 6, 529-550.	2.3	11
121	Experimental and Data-Driven analysis on compressive strength of steel fibre reinforced high strength concrete and mortar at elevated temperature. <i>Construction and Building Materials</i> , 2022, 341, 127845.	7.2	11
122	Direct analysis for performance-based design of steel and composite structures. <i>Structural Control and Health Monitoring</i> , 2004, 6, 213-228.	0.7	10
123	Analysis and design of steel-concrete composite sandwich systems subjected to extreme loads. <i>Frontiers of Architecture and Civil Engineering in China</i> , 2011, 5, 278-293.	0.4	10
124	Development of SCS Sandwich Composite Shell for Arctic Caissons. , 2012, , .		10
125	A novel multi-functional water façade system for energy saving and blast resisting. <i>Materials and Design</i> , 2016, 106, 98-111.	7.0	10
126	Fire performance of composite columns made of high strength steel and concrete. <i>Journal of Constructional Steel Research</i> , 2021, 181, 106640.	3.9	10

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127	Ultimate strength behavior of steel-concrete-steel sandwich beams with ultra-lightweight cement composite, Part 2: Finite element analysis. <i>Steel and Composite Structures</i> , 2015, 18, 1001-1021.	1.3	10
128	Numerical studies of steel-concrete-steel sandwich walls with J-hook connectors subjected to axial loads. <i>Steel and Composite Structures</i> , 2016, 21, 461-477.	1.3	10
129	Nonlinear Analysis of Self-Erecting Framework by Cable-Tensioning Technique. <i>Journal of Structural Engineering</i> , 2000, 126, 361-370.	3.4	9
130	Tapered Box Columns under Biaxial Loading. <i>Journal of Structural Engineering</i> , 1989, 115, 1697-1710.	3.4	8
131	Experimental Study of Ultra-High-Strength Concrete under Triaxial Compression. <i>ACI Materials Journal</i> , 2016, 113, .	0.2	8
132	Robustness of inter-module connections and steel modular buildings under column loss scenarios. <i>Journal of Building Engineering</i> , 2022, 47, 103888.	3.4	8
133	Experimental and Analytical Study on Progressive Collapse of 3D Composite Floor System under Corner Column Loss. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	8
134	Bond Enhancement for Sandwich Shell Ice Wall. , 2010, , .		8
135	Design of thin-plated steel box columns under biaxial loading. <i>Journal of Constructional Steel Research</i> , 1990, 16, 39-70.	3.9	7
136	Performance Based Fire Safety Design of Structures – A Multi-Dimensional Integration. <i>Advances in Structural Engineering</i> , 2004, 7, 311-333.	2.4	7
137	Practical design guidelines for semi-continuous composite braced frames. <i>Steel and Composite Structures</i> , 2001, 1, 213-230.	1.3	7
138	Deployable Tension-Strut Structures: Structural Morphology Study and Alternative Form Creations. <i>International Journal of Space Structures</i> , 2006, 21, 149-164.	1.0	6
139	Blast and Ballistic Resistance of Ultra-High Strength Steel. <i>International Journal of Protective Structures</i> , 2013, 4, 379-413.	2.3	6
140	Experimental study on the dynamic behaviour of expanded-shale lightweight concrete at high strain rate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, 1.	3.1	6
141	Experimental study on reciprocal prism (RP) grid for space structures. <i>Journal of Constructional Steel Research</i> , 2003, 59, 1363-1384.	3.9	5
142	Recent Development of Deployable Tension-Strut Structures. <i>Advances in Structural Engineering</i> , 2008, 11, 599-614.	2.4	5
143	An experimental investigation on shear bond strength between steel and fresh cast concrete using epoxy. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2009, 2, 107-115.	0.4	5
144	Experimental studies on composite haunch beams. <i>Journal of Constructional Steel Research</i> , 2012, 75, 160-168.	3.9	5

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145	Vulnerability of simple braced steel building under extreme load. IES Journal Part A: Civil and Structural Engineering, 2015, 8, 219-231.	0.4	5
146	Shear resistance of buckling-restrained steel plate shear walls. International Journal of Steel Structures, 2017, 17, 1233-1248.	1.3	5
147	State-of-the-art of advanced inelastic analysis of steel and composite structures. Steel and Composite Structures, 2001, 1, 341-354.	1.3	5
148	Experimental behaviour of very high-strength concrete-encased steel composite column subjected to axial compression and end moment. , 0, , .		5
149	Numerical and analytical investigation on a multilayer water façade system subjected to blast loading. Composite Structures, 2016, 158, 175-186.	5.8	4
150	Discussion on the applicability of the M-N interaction curve for the fire resistance design of CFT members. Thin-Walled Structures, 2018, 125, 172-186.	5.3	4
151	Nonlinear Finite Element Modeling of Novel Partially Connected Buckling-Restrained Steel Plate Shear Walls. International Journal of Steel Structures, 2019, 19, 28-43.	1.3	4
152	Moment curvature method for fire safety design of steel beams. Steel and Composite Structures, 2004, 4, 227-246.	1.3	4
153	OPTIMUM DESIGN OF THIN-PLATED STEEL BOX COLUMNS. Engineering Optimization, 1990, 16, 291-311.	2.6	3
154	Flexural torsional behaviour of steel I-beams curved in plan. Journal of Constructional Steel Research, 1998, 46, 79-80.	3.9	3
155	Modified Critical Temperatures for Steel Design Based on Simple Calculation Models in Eurocode 3. Fire Technology, 2017, 53, 227-248.	3.0	3
156	Shear bond behavior of composite slabs with ultra-lightweight cementitious composite. Journal of Building Engineering, 2021, 44, 103284.	3.4	3
157	Stability Functions for Second-Order Inelastic Analysis of Space Frames. , 1999, , 19-26.		3
158	Heat Transfer Analysis of Water Storage Façade System. , 2013, , .		3
159	Ultra-High Strength Concrete Filled Columns for Highrise Buildings. , 2010, , .		3
160	EXPLOSION AND FIRE ANALYSIS OF STEEL FRAMES. , 2002, , .		2
161	Finite Element Analysis of Curved Steel-Concrete-Steel Sandwich Beams. , 2013, , .		2
162	STABILITY OF STEEL FRAMES IN NATURAL FIRE. , 2002, , .		1

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163	Plastic hinge analysis of composite frames under column loss scenario. International Journal of Steel Structures, 2016, 16, 975-985.	1.3	1
164	Progressive Collapse Analysis of Steel-Concrete Composite Frames with Floor Slab Actions. , 2016, , .		1
165	Fiberâ€reinforced mortar for secondary roofing slabs. Structural Concrete, 2021, 22, 1873-1887.	3.1	1
166	Response Behaviour of Highâ€Rise Modular Building under Wind and Seismic Loads. Ce/Papers, 2021, 4, 1747-1756.	0.3	1
167	Experimental Investigation on Mechanical Properties of High Strength Steel at Elevated Temperatures. , 2012, , .		1
168	Experimental Investigation of the Behaviour of End-Plate Connections. , 1996, , 347-352.		0
169	Closure to â€œAnalysis and Design of Steel Frames Considering Panel Joint Deformationsâ€•by J. Y. Richard Liew and W. F. Chen. Journal of Structural Engineering, 1997, 123, 382-383.	3.4	0
170	Guest Editorial. Advances in Structural Engineering, 2005, 8, 183-183.	2.4	0
171	Integrated Blast & Fire Analysis of Steel Structures. , 2005, , 17.		0
172	Buckling Resistance of Axially Restrained Chord Members of Grid Structure at Elevated Temperatures. Applications of Structural Fire Engineering, 2016, , .	0.3	0
173	Modelling of Semi-Rigid Joints in Steel-Concrete Composite Frames. , 2016, , .		0
174	08.05: Design of high strength concrete filled tubular columns. Ce/Papers, 2017, 1, 1869-1878.	0.3	0
175	10.38: Effects of heatâ€treatment methods on mechanical performance of highâ€tensile strength steel subject to elevated temperatures. Ce/Papers, 2017, 1, 2840-2846.	0.3	0
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