Brian Uy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4586876/publications.pdf

Version: 2024-02-01

217 papers	8,989 citations	41627 51 h-index	60403 85 g-index
219 all docs	219 docs citations	219 times ranked	3111 citing authors

#	Article	IF	Citations
1	Behaviour and design of eccentrically loaded CFST columns with high strength materials and slender sections. Journal of Constructional Steel Research, 2022, 188, 107004.	1.7	9
2	An analytical model for flexural vibration of composite beams with shear slip based on third order deformation kinematics. Structures, 2022, 38, 1483-1501.	1.7	5
3	System reliability-based design of steel-concrete composite frames with CFST columns and composite beams. Journal of Constructional Steel Research, 2022, 194, 107298.	1.7	4
4	A systematic review on CFST members under impulsive loading. Thin-Walled Structures, 2022, 179, 109503.	2.7	13
5	Tests of circular geopolymer concrete-filled steel columns under ambient and fire conditions. Journal of Constructional Steel Research, 2022, 196, 107393.	1.7	11
6	Reliability considerations of modern design codes for CFST columns. Journal of Constructional Steel Research, 2021, 177, 106482.	1.7	27
7	Corrosion monitoring in steel bars using Laser ultrasonic guided waves and advanced signal processing. Mechanical Systems and Signal Processing, 2021, 149, 107176.	4.4	34
8	Nonlinear inelastic simulation of highâ€rise buildings with innovative composite coupling shear walls and CFST columns. Structural Design of Tall and Special Buildings, 2021, 30, e1883.	0.9	8
9	A review of the behaviour and design of steelâ€“concrete composite shear walls. Structures, 2021, 31, 1230-1253.	1.7	39
10	Simplified Nonlinear Simulation of Rectangular Concrete-Filled Steel Tubular Columns. Journal of Structural Engineering, 2021, 147, .	1.7	18
11	Behaviour and design of high strength CFST columns with slender sections. Journal of Constructional Steel Research, 2021, 182, 106645.	1.7	35
12	Design resistance of helical seam pipe columns with limited tensile test data. Journal of Constructional Steel Research, 2021, 183, 106724.	1.7	0
13	Compact and slender box concrete-filled stainless steel tubes under compression, bending, and combined loading. Journal of Constructional Steel Research, 2021, 184, 106813.	1.7	7
14	Behaviour and design of stainless steel-concrete composite beam-to-column joints. Journal of Constructional Steel Research, 2021, 184, 106800.	1.7	11
15	Behaviour and design of stainless steel-concrete composite beams. Journal of Constructional Steel Research, 2021, 185, 106863.	1.7	11
16	Residual stress measurements of lean duplex stainless steel welded sections. Journal of Constructional Steel Research, 2021, 186, 106883.	1.7	9
17	Stainless steel top-seat angle beam-to-column connection: Full-scale test and analytical modelling. Structures, 2021, 34, 4322-4338.	1.7	5
18	Behaviour and design of welded stainless steel beams with compact sections under flexure and shear. Journal of Constructional Steel Research, 2021, 187, 106996.	1.7	3

#	Article	IF	Citations
19	Residual stresses of box and I-shaped columns fabricated from S960 ultra-high-strength steel. Journal of Constructional Steel Research, 2020, 166, 105904.	1.7	16
20	Experimental behaviour and fracture prediction of austenitic stainless steel bolts under combined tension and shear. Journal of Constructional Steel Research, 2020, 166, 105916.	1.7	38
21	Effect of concrete infill on local buckling capacity of circular tubes. Journal of Constructional Steel Research, 2020, 165, 105899.	1.7	13
22	Fatigue behaviour of stainless steel bolts in tension and shear under constant-amplitude loading. International Journal of Fatigue, 2020, 133, 105401.	2.8	27
23	Axial slenderness limits for austenitic stainless steel-concrete composite columns. Journal of Constructional Steel Research, 2020, 166, 105856.	1.7	19
24	Behaviour and design of high-strength Grade 12.9 bolts under combined tension and shear. Journal of Constructional Steel Research, 2020, 174, 106305.	1.7	17
25	A review on modular construction for high-rise buildings. Structures, 2020, 28, 1265-1290.	1.7	161
26	Load sharing mechanism between shear studs and profiled steel sheeting in push tests. Journal of Constructional Steel Research, 2020, 174, 106279.	1.7	13
27	Behaviour and design of ultra-high-strength CFST members subjected to compression and bending. Journal of Constructional Steel Research, 2020, 175, 106351.	1.7	33
28	Stainless steel bolts subjected to combined tension and shear: Behaviour and design. Journal of Constructional Steel Research, 2020, 170, 106122.	1.7	10
29	Axial slenderness limits for duplex and lean duplex stainless steel-concrete composite columns. Journal of Constructional Steel Research, 2020, 172, 106175.	1.7	13
30	Approximating a far-field blast environment in an advanced blast simulator for explosion resistance testing. International Journal of Protective Structures, 2020, 11, 468-493.	1.4	20
31	Corrosion detection in steel bar: A time-frequency approach. NDT and E International, 2019, 107, 102150.	1.7	33
32	Material properties and stress-strain curves for titanium-clad bimetallic steels. Journal of Constructional Steel Research, 2019, 162, 105756.	1.7	25
33	Behaviour and design of concrete-filled mild-steel spiral welded tube long columns under eccentric axial compression loading. Journal of Constructional Steel Research, 2019, 159, 341-363.	1.7	11
34	Ultrasonic monitoring of corroding bolted joints. Engineering Failure Analysis, 2019, 102, 7-19.	1.8	17
35	Slenderness limits for fabricated S960 ultra-high-strength steel and composite columns. Journal of Constructional Steel Research, 2019, 159, 109-121.	1.7	63
36	Concrete-filled steel tubular columns: Test database, design and calibration. Journal of Constructional Steel Research, 2019, 157, 161-181.	1.7	91

#	Article	IF	Citations
37	Review of strength behaviour of circular concrete filled steel tubes under monotonic pure bending. Journal of Constructional Steel Research, 2019, 158, 460-474.	1.7	25
38	Local and post-local buckling of fabricated high-strength steel and composite columns. Journal of Constructional Steel Research, 2019, 154, 235-249.	1.7	52
39	Establishing new brittle fracture provisions for the Australasian steel structures standards. Journal of Constructional Steel Research, 2019, 155, 20-32.	1.7	1
40	Experimental and numerical behaviour of blind bolted flush endplate composite connections. Journal of Constructional Steel Research, 2019, 153, 179-195.	1.7	23
41	Behaviour and design of spiral-welded stainless steel tubes subjected to axial compression. Journal of Constructional Steel Research, 2019, 154, 67-83.	1.7	23
42	Geometrically nonlinear inelastic analysis of steelâ€“concrete composite beams with partial interaction using a higher-order beam theory. International Journal of Non-Linear Mechanics, 2018, 100, 34-47.	1.4	14
43	Behaviour and design of demountable beam-to-column composite bolted joints with extended end-plates. Journal of Constructional Steel Research, 2018, 144, 221-235.	1.7	28
44	Analytical model for flexural response of two-layered composite beams with interfacial shear slip using a higher order beam theory. Composite Structures, 2018, 184, 789-799.	3.1	15
45	Behaviour and design of demountable CFST column-column connections subjected to compression. Journal of Constructional Steel Research, 2018, 141, 262-274.	1.7	31
46	Design resistance evaluation for steel and steel-concrete composite members. Journal of Constructional Steel Research, 2018, 147, 523-548.	1.7	12
47	Large deformation analysis of two layered composite beams with partial shear interaction using a higher order beam theory. International Journal of Mechanical Sciences, 2017, 122, 331-340.	3.6	18
48	Behaviour of bolted endplate composite joints to square and circular CFST columns. Journal of Constructional Steel Research, 2017, 131, 68-82.	1.7	51
49	Strength, stiffness and ductility of concrete-filled steel columns under axial compression. Engineering Structures, 2017, 135, 209-221.	2.6	196
50	A higher order model for inelastic response of composite beams with interfacial slip using a dissipation based arc-length method. Engineering Structures, 2017, 139, 120-134.	2.6	17
51	Reprint of: Experimental investigation and simplified modeling of response of steel plates subjected to close-in blast loading from spherical liquid explosive charges. International Journal of Impact Engineering, 2017, 105, 1-12.	2.4	12
52	Moment-rotation behaviour of top-seat angle bolted connections produced from austenitic stainless steel. Journal of Constructional Steel Research, 2017, 136, 149-161.	1.7	37
53	Behaviour and design of demountable CFST column-column connections under tension. Journal of Constructional Steel Research, 2017, 138, 761-773.	1.7	26
54	01.07: Numerical investigation on the semiâ€rigid behaviour of austenitic stainless steel connections. Ce/Papers, 2017, 1, 215-224.	0.1	1

#	Article	IF	Citations
55	03.32: Analytical prediction of momentâ€rotation behaviour of austenitic stainless steel bolted connections. Ce/Papers, 2017, 1, 766-775.	0.1	1
56	Bond Behavior of Concrete-Filled Steel Tubes at Elevated Temperatures. Journal of Structural Engineering, 2017, 143, .	1.7	37
57	Behaviour and design of short high-strength steel welded box and concrete-filled tube (CFT) sections. Engineering Structures, 2017, 147, 458-472.	2.6	59
58	Dynamic behaviour of steel-concrete composite beams retrofitted with various bolted shear connectors. Engineering Structures, 2017, 131, 115-135.	2.6	17
59	Concentrically loaded slender square hollow and composite columns incorporating high strength properties. Engineering Structures, 2017, 131, 69-89.	2.6	45
60	Behaviour and Design of Connections for Demountable Steel and Composite Structures. Structures, 2017, 9, 1-12.	1.7	35
61	Behaviour and design of hollow and concrete-filled spiral welded steel tube columns subjected to axial compression. Journal of Constructional Steel Research, 2017, 128, 261-288.	1.7	32
62	Experimental investigation and simplified modeling of response of steel plates subjected to close-in blast loading from spherical liquid explosive charges. International Journal of Impact Engineering, 2017, 101, 78-89.	2.4	50
63	Analysis and design of demountable embedded steel column base connections. Steel and Composite Structures, 2017, 23, 303-315.	1.3	9
64	ASSESSING THE BEHAVIOR OF COLUMN-SPLICE CONNECTIONS BETWEEN CFSTS IN AXIAL TENSION. Proceedings of International Structural Engineering and Construction, 2017, 4, .	0.1	0
65	A Push Test Study on the Behavior of Post-Tensioned Composite Steel-Concrete Slabs. , 2016, , .		0
66	Transfer of Australasian bridge design to fatigue verification system of Eurocode 3. Journal of Constructional Steel Research, 2016, 122, 532-542.	1.7	9
67	Bolted and welded connectors for the rehabilitation of composite beams. Journal of Constructional Steel Research, 2016, 125, 61-73.	1.7	28
68	The Effect of Carbon Nanotubes on the Headed Stud Shear Connectors for Composite Steel-Concrete Beams under Elevated Temperatures. , 2016, , .		0
69	Rotational stiffness and moment resistance of bolted endplate joints with hollow or CFST columns. Journal of Constructional Steel Research, 2016, 126, 139-152.	1.7	32
70	Compressive stress-strain model for low-calcium fly ash-based geopolymer and heat-cured Portland cement concrete. Cement and Concrete Composites, 2016, 73, 136-146.	4.6	157
71	Reliability analysis for load factors in steel bulk material handling structures with respect to AS4324.1. Australian Journal of Structural Engineering, 2016, 17, 99-108.	0.4	4
72	System reliability evaluation of steel frames with semi-rigid connections. Journal of Constructional Steel Research, 2016, 121, 29-39.	1.7	38

#	Article	IF	Citations
73	Bond behavior in concrete-filled steel tubes. Journal of Constructional Steel Research, 2016, 120, 81-93.	1.7	171
74	Available rotation capacity of composite beams with high-strength materials under sagging moment. Journal of Constructional Steel Research, 2016, 118, 156-168.	1.7	14
75	Residual stresses in high strength steel welded box sections. Journal of Constructional Steel Research, 2016, 116, 55-64.	1.7	43
76	Flexural behaviour of composite steelâ€“concrete beams utilising blind bolt shear connectors. Engineering Structures, 2016, 114, 181-194.	2.6	84
77	Statistical calibration of safety factors for flexural stiffness of composite columns. Steel and Composite Structures, 2016, 20, 127-145.	1.3	5
78	Behaviour and design of demountable steel column-column connections. Steel and Composite Structures, 2016, 22, 429-448.	1.3	13
79	Confined concrete model of circular, elliptical and octagonal CFST short columns. Steel and Composite Structures, 2016, 22, 497-520.	1.3	34
80	Analysis and design of demountable steel column-baseplate connections. Steel and Composite Structures, 2016, 22, 753-775.	1.3	12
81	Confinement models for high strength short square and rectangular concrete-filled steel tubular columns. Steel and Composite Structures, 2016, 22, 937-974.	1.3	26
82	The ABC and D of steel and composite structures: Australian experiences. Journal of Civil & Environmental Engineering, 2016, 06, .	0.1	0
83	Barriers to global adoption of Eurocode 3 and 4. IABSE Symposium Report, 2015, , .	0.0	0
84	A modified stress-strain model accounting for the local buckling of thin-walled stub columns under axial compression. Journal of Constructional Steel Research, 2015, 111, 57-69.	1.7	27
85	Explosive Breaching of Walls with Contact Charges: Theory and Applications. International Journal of Protective Structures, 2015, 6, 629-647.	1.4	22
86	Behaviour and design of composite columns incorporating compact high-strength steel plates. Journal of Constructional Steel Research, 2015, 107, 94-110.	1.7	113
87	Momentâ€“shearâ€“axial force interaction in composite beams. Journal of Constructional Steel Research, 2015, 114, 66-76.	1.7	11
88	Strength of multi-span composite beams subjected to combined flexure and torsion. Journal of Constructional Steel Research, 2015, 113, 1-12.	1.7	7
89	A state space augmented generalised RKPM for three-dimensional analysis of thick and laminated composite plates. Computers and Structures, 2015, 158, 225-239.	2.4	9
90	Finite element modelling of blind bolted composite joints. Journal of Constructional Steel Research, 2015, 112, 339-353.	1.7	43

#	Article	IF	Citations
91	Behaviour and design of composite beams subjected to sagging bending and axial compression. Journal of Constructional Steel Research, 2015, 110, 29-39.	1.7	24
92	Dynamic behaviour of steelâ€“concrete composite beams with different types of shear connectors. Part II: Modelling and comparison. Engineering Structures, 2015, 103, 308-317.	2.6	15
93	Experimental and numerical study of the bondâ€“slip relationship for post-tensioned composite slabs. Journal of Constructional Steel Research, 2015, 114, 362-379.	1.7	6
94	Experimental and numerical study of end anchorage in composite slabs. Journal of Constructional Steel Research, 2015, 115, 372-386.	1.7	16
95	Dynamic behaviour of steelâ€“concrete composite beams with different types of shear connectors. Part I: Experimental study. Engineering Structures, 2015, 103, 298-307.	2.6	26
96	Time-dependent behaviour of composite beams with blind bolts under sustained loads. Journal of Constructional Steel Research, 2015, 112, 196-207.	1.7	40
97	Strengthening of existing composite steel-concrete beams utilising bolted shear connectors and welded studs. Journal of Constructional Steel Research, 2015, 114, 417-430.	1.7	36
98	Numerical simulations of response of tubular steel beams to close-range explosions. Journal of Constructional Steel Research, 2015, 105, 151-163.	1.7	45
99	Non-uniform shrinkage in simply-supported composite steel-concrete slabs. Steel and Composite Structures, 2015, 18, 375-394.	1.3	23
100	Behaviour and design of composite beams subjected to flexure and axial load. Steel and Composite Structures, 2015, 19, 615-633.	1.3	12
101	Predicting the axial load capacity of high-strength concrete filled steel tubular columns. Steel and Composite Structures, 2015, 19, 967-993.	1.3	34
102	Concrete-filled VHS-to-steel fabricated section stub columns subjected to axial compression. Journal of Constructional Steel Research, 2014, 95, 141-161.	1.7	13
103	Impact behaviour of pre-compressed hollow and concrete filled mild and stainless steel columns. Journal of Constructional Steel Research, 2014, 96, 54-68.	1.7	80
104	Explosive testing and modelling of square tubular steel columns for near-field detonations. Journal of Constructional Steel Research, 2014, 101, 290-303.	1.7	49
105	Shear Strength and Moment-Shear Interaction in Steel-Concrete Composite Beams. Journal of Structural Engineering, 2014, 140, .	1.7	34
106	Numerical modelling of concrete-filled steel box columns incorporating high strength materials. Journal of Constructional Steel Research, 2014, 102, 256-265.	1.7	113
107	Design Rules, Experimental Evaluation, and Fracture Models for High-Strength and Stainless-Steel Hourglass Shape Energy Dissipation Devices. Journal of Structural Engineering, 2014, 140, .	1.7	44
108	The New Joint Australian and New Zealand Bridge Design Standard AS/NZS 5100 - Part 6: Steel and Composite Construction. , 2014, , .		1

#	Article	IF	Citations
109	Design and Experimental Investigations of a Vibration Based Wireless Measurement System for Bridge Cable Tension Monitoring. Advances in Structural Engineering, 2014, 17, 1657-1668.	1.2	15
110	The response of axially restrained non-composite steelâ€“concreteâ€“steel sandwich panels due to large impact loading. Engineering Structures, 2013, 49, 806-818.	2.6	67
111	Long-term behaviour of simply-supported post-tensioned composite slabs. Journal of Constructional Steel Research, 2013, 88, 172-180.	1.7	36
112	Fire performance of concrete filled stainless steel tubular columns. Engineering Structures, 2013, 56, 165-181.	2.6	97
113	Transverse impact resistance of hollow and concrete filled stainless steel columns. Journal of Constructional Steel Research, 2013, 82, 177-189.	1.7	109
114	An Experimental Investigation of the Performance of Non-Composite Steel-Concrete-Steel Protective Panels under Large Impact Loading. Advances in Structural Engineering, 2013, 16, 1163-1174.	1.2	6
115	Stress-Strain Curves of Structural and Reinforcing Steels after Exposure to Elevated Temperatures. Journal of Materials in Civil Engineering, 2013, 25, 1306-1316.	1.3	223
116	An experimental study on the ultimate behaviour of simply-supported post-tensioned composite slabs. Journal of Constructional Steel Research, 2013, 89, 293-306.	1.7	10
117	Large-Scale Experimental Validation of Steel Posttensioned Connections with Web Hourglass Pins. Journal of Structural Engineering, 2013, 139, 1033-1042.	1.7	83
118	Finite element models and cyclic behavior of self-centering steel post-tensioned connections with web hourglass pins. Engineering Structures, 2013, 52, 1-16.	2.6	80
119	Seismic design, modelling and assessment of self-centering steel frames using post-tensioned connections with web hourglass shape pins. Bulletin of Earthquake Engineering, 2013, 11, 1797-1816.	2.3	69
120	Levy solution for buckling analysis of functionally graded plates based on a refined plate theory. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 2649-2664.	1.1	15
121	Concentrically Loaded Short High Strength Composite Columns. , 2013, , .		4
122	Advancements and Achievements in Structural Steel in Australia. , 2013, , .		0
123	A Finite Element Study on the Behaviour of Post-Tensioned Composite Steel-Concrete Slabs. , 2013, , .		0
124	Applications, Behaviour and Design of Composite Steel-Concrete Structures. Advances in Structural Engineering, 2012, 15, 1559-1571.	1.2	9
125	Dynamic Assessment of Shear Connection Conditions in Slab-Girder Bridges by Kullback-Leibler Distance. Advances in Structural Engineering, 2012, 15, 771-780.	1.2	8
126	An experimental study on the service and ultimate behaviour of post-tensioned composite slabs. , 2012, , .		2

#	Article	IF	Citations
127	Behaviour and design of composite beams subjected to negative bending and compression. Journal of Constructional Steel Research, 2012, 79, 34-47.	1.7	45
128	Accurate measurement of translational shifts by adaptively masking phase correlation. Electronics Letters, 2012, 48, 20.	0.5	5
129	The effects of axial tension on the hogging-moment regions of composite beams. Journal of Constructional Steel Research, 2012, 68, 20-33.	1.7	33
130	The effects of axial tension on the sagging-moment regions of composite beams. Journal of Constructional Steel Research, 2012, 72, 240-253.	1.7	27
131	Heat Transfer Analysis of Concrete-Filled Stainless Steel Columns Exposed to Fire. , 2012, , .		1
132	Stress-Strain Curves of Structural Steel after Exposure to Elevated Temperatures. , 2012, , .		1
133	Long-term Experiments of Post-tensioned Composite Slabs. , 2012, , .		6
134	Behaviour and Design of Composite Beams Subjected to Negative Bending and Axial Compression. , 2012, , .		0
135	Experimental Investigation on the Moment - Shear Interaction in Steel-Concrete Composite Beams. , 2012, , .		0
136	A Class of Finite Elements for Nonlinear Analysis of Composite Beams. , 2011, , .		1
137	Advanced design for trusses of steel and concrete-filled tubular sections. Engineering Structures, 2011, 33, 3162-3171.	2.6	23
138	Behaviour of composite beamâ€“column flush end-plate connections subjected to low-probability, high-consequence loading. Engineering Structures, 2011, 33, 647-662.	2.6	78
139	Behavior of high-strength circular concrete-filled steel tubular (CFST) column under eccentric loading. Journal of Constructional Steel Research, 2011, 67, 1-13.	1.7	119
140	Post-fire bond between the steel tube and concrete in concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2011, 67, 484-496.	1.7	91
141	Behaviour of short and slender concrete-filled stainless steel tubular columns. Journal of Constructional Steel Research, 2011, 67, 360-378.	1.7	332
142	Nonlinear analysis of composite beams subjected to combined flexure and torsion. Journal of Constructional Steel Research, 2011, 67, 790-799.	1.7	16
143	Nonlinear analysis of concrete-filled square stainless steel stub columns under axial compression. Journal of Constructional Steel Research, 2011, 67, 1719-1732.	1.7	194
144	Ductility of Composite Beams with Trapezoidal Composite Slabs. , 2011, , .		1

#	Article	IF	Citations
145	Response of Foam- and Concrete-Filled Square Steel Tubes under Low-Velocity Impact Loading. Journal of Performance of Constructed Facilities, 2011, 25, 373-381.	1.0	85
146	Fire performance of concrete-filled steel tubular columns strengthened by CFRP. Steel and Composite Structures, 2011, 11, 307-324.	1.3	18
147	Performance of CFST column to steel beam joints subjected to simulated fire including the cooling phase. Journal of Constructional Steel Research, 2010, 66, 591-604.	1.7	42
148	Time-dependent analysis of composite beams with continuous shear connection based on a space-exact stiffness matrix. Engineering Structures, 2010, 32, 2902-2911.	2.6	37
149	Effects of the combination of axial and shear loading on the behaviour of headed stud steel anchors. Engineering Structures, 2010, 32, 93-105.	2.6	85
150	An improved ASIFT algorithm for matching repeated patterns. , 2010, , .		7
151	Experimental Behaviour of Pre-Compressed Concrete-Filled Stainless Steel Tubular Columns Subjected to Transverse Impact Loads. , 2010, , .		1
152	Behavior of Circular Concrete Filled Steel Tubular(CFST) Column using High Strength Steel and Concrete under Eccentric Loading. , 2010, , .		1
153	Analysis and design of concrete-filled stiffened thin-walled steel tubular columns under axial compression. Thin-Walled Structures, 2009, 47, 1544-1556.	2.7	240
154	Analysis of composite beams in the hogging moment regions using a mixed finite element formulation. Journal of Constructional Steel Research, 2009, 65, 737-748.	1.7	32
155	Behaviour of flush end plate joints to concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2009, 65, 925-939.	1.7	109
156	Hysteretic behaviour of flush end plate joints to concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2009, 65, 1644-1663.	1.7	73
157	Behaviour of headed stud shear connectors for composite steelâ€“concrete beams at elevated temperatures. Journal of Constructional Steel Research, 2009, 65, 662-674.	1.7	71
158	Experimental study on straight composite beams subjected to combined flexure and torsion. Journal of Constructional Steel Research, 2009, 65, 784-793.	1.7	26
159	Full-scale tests on composite steelâ€“concrete beams with steel trapezoidal decking. Journal of Constructional Steel Research, 2009, 65, 1490-1506.	1.7	38
160	Experimental study on curved composite beams subjected to combined flexure and torsion. Journal of Constructional Steel Research, 2009, 65, 1855-1863.	1.7	33
161	Modelling of Concrete-Filled Stainless Steel Columns in Fire. , 2009, , .		1
162	Experimental behaviour of steel reduced beam section to concrete-filled circular hollow section column connections. Journal of Constructional Steel Research, 2008, 64, 493-504.	1.7	60

#	Article	IF	Citations
163	Stability and ductility of high performance steel sections with concrete infill. Journal of Constructional Steel Research, 2008, 64, 748-754.	1.7	42
164	Closure to â€œStrength Analysis of Steel-Concrete Composite Beams in Combined Bending and Shearâ€•by Qing Quan Liang, Brian Uy, Mark A. Bradford, and Hamid R. Ronagh. Journal of Structural Engineering, 2007, 133, 309-310.	1.7	0
165	A rational elasto-plastic spatially curved thin-walled beam element. International Journal for Numerical Methods in Engineering, 2007, 70, 253-290.	1.5	21
166	Local buckling of steel plates in concrete-filled thin-walled steel tubular beamâ€“columns. Journal of Constructional Steel Research, 2007, 63, 396-405.	1.7	76
167	Analytical Solutions for the Viscoelastic Response of Composite Beams Including Partial Interaction. Advances in Structural Engineering, 2006, 9, 11-18.	1.2	4
168	The effects of partial shear connection in composite flush end plate joints Part IIâ€”Analytical study and design appraisal. Journal of Constructional Steel Research, 2006, 62, 391-412.	1.7	28
169	The effects of partial shear connection in composite flush end plate joints Part I â€” experimental study. Journal of Constructional Steel Research, 2006, 62, 378-390.	1.7	82
170	Nonlinear analysis of concrete-filled thin-walled steel box columns with local buckling effects. Journal of Constructional Steel Research, 2006, 62, 581-591.	1.7	86
171	Second Order Nonlinear Inelastic Analysis of Composite Steelâ€“Concrete Members. II: Applications. Journal of Structural Engineering, 2006, 132, 762-771.	1.7	24
172	Behavior of High Strength Structural Steel at Elevated Temperatures. Journal of Structural Engineering, 2006, 132, 1948-1954.	1.7	269
173	The Effects of Partial Shear Connection in Hogging Moment Regions of Composite Beams and Joints. , 2006, , 336.		0
174	Second Order Nonlinear Inelastic Analysis of Composite Steelâ€“Concrete Members. I: Theory. Journal of Structural Engineering, 2006, 132, 751-761.	1.7	48
175	Nonlinear analysis of members curved in space with warping and Wagner effects. International Journal of Solids and Structures, 2005, 42, 3147-3169.	1.3	17
176	A spatially curved-beam element with warping and Wagner effects. International Journal for Numerical Methods in Engineering, 2005, 63, 1342-1369.	1.5	56
177	Strength Analysis of Steelâ€“Concrete Composite Beams in Combined Bending and Shear. Journal of Structural Engineering, 2005, 131, 1593-1600.	1.7	92
178	Local Buckling of Steel Plates in Double Skin Composite Panels under Biaxial Compression and Shear. Journal of Structural Engineering, 2004, 130, 443-451.	1.7	61
179	A direct stiffness analysis of a composite beam with partial interaction. International Journal for Numerical Methods in Engineering, 2004, 61, 657-672.	1.5	110
180	The effects of partial shear connection in the hogging moment regions of composite beams. Journal of Constructional Steel Research, 2004, 60, 897-919.	1.7	65

#	Article	IF	Citations
181	The effects of partial shear connection in the hogging moment regions of composite beams Part IIâ€"Analytical study. Journal of Constructional Steel Research, 2004, 60, 921-962.	1.7	56
182	Ultimate strength of continuous composite beams in combined bending and shear. Journal of Constructional Steel Research, 2004, 60, 1109-1128.	1.7	60
183	Strength of slender concrete filled high strength steel box columns. Journal of Constructional Steel Research, 2004, 60, 1825-1848.	1.7	102
184	High Strength Steel-Concrete Composite Box Columns. , 2004, , 438.		0
185	Static Flexural Behaviour of Externally Post-Tensioned Steel-Concrete Composite Beams. Advances in Structural Engineering, 2004, 7, 1-20.	1.2	28
186	Strength of Concrete Filled Steel Box Columns Incorporating Interaction Buckling. Journal of Structural Engineering, 2003, 129, 626-639.	1.7	92
187	Local Buckling of Concrete-Filled Circular Steel Tubes. , 2002, , 563.		2
188	Non-Dimensional Cross-Section Strength of Concrete Filled Steel Box Columns. , 2002, , 596.		0
189	Mixed Analysis Approach for Semi-Continuous Steel-Concrete Composite Beams under Uniform Loading. , 2002, , 225.		0
190	Performance-Based Optimization for Strut-Tie Modeling of Structural Concrete. Journal of Structural Engineering, 2002, 128, 815-823.	1.7	49
191	Buckling of the steel component of a composite member caused by shrinkage and creep of the concrete component. Structural Control and Health Monitoring, 2002, 4, 186-192.	0.7	4
192	An analytical model for thin-walled steel box columns with concrete in-fill. Engineering Structures, 2002, 24, 825-838.	2.6	61
193	Slenderness limits for filled circular steel tubes. Journal of Constructional Steel Research, 2002, 58, 243-252.	1.7	119
194	Strength of slender concrete-filled steel box columns incorporating local buckling. Journal of Constructional Steel Research, 2002, 58, 275-300.	1.7	47
195	In-plane stability of arches. International Journal of Solids and Structures, 2002, 39, 105-125.	1.3	194
196	Composite Steelâ€šÃ„Ã¬Concrete Structures. New Directions in Civil Engineering, 2002, , .	0.1	4
197	Local and Postlocal Buckling of Fabricated Steel and Composite Cross Sections. Journal of Structural Engineering, 2001, 127, 666-677.	1.7	83
198	Behaviour of unpropped composite girders curved in plan under construction loading. Engineering Structures, 2001, 23, 779-789.	2.6	22

#	Article	IF	Citations
199	Strength of short concrete filled high strength steel box columns. Journal of Constructional Steel Research, 2001, 57, 113-134.	1.7	292
200	Practical design guidlines for semi-continuous composite braced frames. Steel and Composite Structures, 2001, 1, 213-230.	1.3	7
201	Theoretical study on the post-local buckling of steel plates in concrete-filled box columns. Computers and Structures, 2000, 75, 479-490.	2.4	73
202	Strength of Concrete Filled Steel Box Columns Incorporating Local Buckling. Journal of Structural Engineering, 2000, 126, 341-352.	1.7	234
203	Ductility, strength and stability of concrete-filled fabricated steel box columns for tall buildings. Structural Design of Tall Buildings, 1998, 7, 113-133.	0.3	15
204	Concrete-filled fabricated steel box columns for multistorey buildings: behaviour and design. Structural Control and Health Monitoring, 1998, 1, 150-158.	0.7	52
205	Time dependent service load behaviour of prestressed composite tee beams. Structural Engineering and Mechanics, 1997, 5, 307-327.	1.0	1
206	Concrete filled high strength steel box columns for tall buildings: Behaviour and design. Structural Design of Tall Buildings, 1996, 5, 75-94.	0.3	26
207	Elastic local buckling of steel plates in composite steel-concrete members. Engineering Structures, 1996, 18, 193-200.	2.6	162
208	Wet concrete loading of profiled trough girders. Thin-Walled Structures, 1996, 25, 81-108.	2.7	4
209	Local buckling of cold formed steel in composite structural elements at elevated temperatures. Journal of Constructional Steel Research, 1995, 34, 53-73.	1.7	21
210	Local buckling behaviour of trough girders composed of an assemblage of profiled steel sheets. Thin-Walled Structures, 1995, 22, 97-120.	2.7	3
211	Ductility of Profiled Composite Beams. Part II: Analytical Study. Journal of Structural Engineering, 1995, 121, 883-889.	1.7	38
212	Ductility of Profiled Composite Beams. Part I: Experimental Study. Journal of Structural Engineering, 1995, 121, 876-882.	1.7	37
213	Numerical Investigation of the Response of Protective Barrier under Blast Loading. Applied Mechanics and Materials, 0, 567, 440-445.	0.2	0
214	Residual Stresses Distribution Measured by Neutron Diffraction in Fabricated Square High Strength Steel Tubes. Materials Science Forum, 0, 777, 249-254.	0.3	2
215	Steel-Concrete Composite Structures in Australia: Past, Present and Future. , 0, , .		1
216	Applications, behaviour and construction of high performance steels in steel-concrete composite structures. , 0, , .		1

#	Article	IF	Citations
217	Numerical analysis of concrete-filled spiral welded stainless steel tubes subjected to compression. , 0, , .		1