

Qing Quan Liang

List of Publications by Year in descending order

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81
papers

2,911
citations

145106

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198040

52
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docs citations

90
times ranked

1120
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavior and design of thin-walled double-skin concrete-filled rectangular steel tubular short and slender columns with external stainless-steel tube incorporating local buckling effects. <i>Thin-Walled Structures</i> , 2022, 170, 108552.	2.7	8
2	Numerical investigations of circular double-skin steel tubular slender beam-columns filled with ultra-high-strength concrete. <i>Engineering Structures</i> , 2022, 254, 113814.	2.6	6
3	Fiber element modeling of circular double-skin concrete-filled stainless-carbon steel tubular columns under axial load and bending. <i>Advances in Structural Engineering</i> , 2022, 25, 1114-1135.	1.2	9
4	Experimental and numerical studies of axially loaded square concrete-encased concrete-filled large-diameter steel tubular short columns. <i>Structural Concrete</i> , 2022, 23, 2748-2769.	1.5	10
5	Numerical analysis of square concrete-filled double-skin tubular columns with outer stainless-steel tube. <i>Structural Concrete</i> , 2022, 23, 2968-2985.	1.5	8
6	Experimental and numerical investigations into the behavior of circular concrete-filled double steel tubular slender columns. <i>Engineering Structures</i> , 2022, 267, 114644.	2.6	12
7	Numerical modeling of octagonal concrete-filled steel tubular short columns accounting for confinement effects. <i>Engineering Structures</i> , 2021, 226, 111405.	2.6	15
8	Axisymmetric simulation of circular concrete-filled double-skin steel tubular short columns incorporating outer stainless-steel tube. <i>Engineering Structures</i> , 2021, 227, 111416.	2.6	16
9	Simulation of uniaxially compressed square ultra-high-strength concrete-filled steel tubular slender beam-columns. <i>Engineering Structures</i> , 2021, 232, 111795.	2.6	22
10	Numerical modeling of rectangular concrete-filled double-skin steel tubular columns with outer stainless-steel skin. <i>Journal of Constructional Steel Research</i> , 2021, 179, 106504.	1.7	10
11	Numerical analysis of concentrically loaded hexagonal concrete-filled steel tubular short columns incorporating concrete confinement. <i>Advances in Structural Engineering</i> , 2021, 24, 3472-3487.	1.2	2
12	Numerical analysis of rectangular double-skin concrete-filled steel tubular slender columns incorporating interaction buckling. <i>Engineering Structures</i> , 2021, 245, 112960.	2.6	8
13	Fiber-based computational modeling of rectangular double-skin concrete-filled steel tubular short columns including local buckling. <i>Engineering Structures</i> , 2021, 248, 113268.	2.6	9
14	Numerical simulations of circular high strength concrete-filled aluminum tubular short columns incorporating new concrete confinement model. <i>Thin-Walled Structures</i> , 2020, 147, 106492.	2.7	25
15	Numerical analysis of thin-walled round-ended concrete-filled steel tubular short columns including local buckling effects. <i>Structures</i> , 2020, 28, 181-196.	1.7	20
16	Computational simulation of elliptical concrete-filled steel tubular short columns including new confinement model. <i>Journal of Constructional Steel Research</i> , 2020, 174, 106294.	1.7	22
17	Behavior of circular concrete-filled double steel tubular slender beam-columns including preload effects. <i>Engineering Structures</i> , 2020, 220, 111010.	2.6	14
18	Numerical analysis of circular double-skin concrete-filled stainless steel tubular short columns under axial loading. <i>Structures</i> , 2020, 24, 754-765.	1.7	26

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19	Experimental and numerical investigations of eccentrically loaded rectangular concrete-filled double steel tubular columns. <i>Journal of Constructional Steel Research</i> , 2020, 167, 105949.	1.7	23
20	Computational simulation of eccentrically loaded circular thin-walled concrete-filled double steel tubular slender columns. <i>Engineering Structures</i> , 2020, 213, 110571.	2.6	23
21	Nonlinear analysis of square concrete-filled double steel tubular slender columns incorporating preload effects. <i>Engineering Structures</i> , 2020, 207, 110272.	2.6	19
22	Experimental and numerical studies of square concrete-filled double steel tubular short columns under eccentric loading. <i>Engineering Structures</i> , 2019, 197, 109419.	2.6	38
23	Numerical study of circular double-skin concrete-filled aluminum tubular stub columns. <i>Engineering Structures</i> , 2019, 197, 109418.	2.6	16
24	Fiber element simulation of interaction behavior of local and global buckling in axially loaded rectangular concrete-filled steel tubular slender columns under fire exposure. <i>Thin-Walled Structures</i> , 2019, 145, 106403.	2.7	8
25	Behavior of eccentrically loaded double circular steel tubular short columns filled with concrete. <i>Engineering Structures</i> , 2019, 201, 109790.	2.6	39
26	Nonlinear post-fire simulation of concentrically loaded rectangular thin-walled concrete-filled steel tubular short columns accounting for progressive local buckling. <i>Thin-Walled Structures</i> , 2019, 145, 106423.	2.7	3
27	Fire-Resistance of Eccentrically Loaded Rectangular Concrete-Filled Steel Tubular Slender Columns Incorporating Interaction of Local and Global Buckling. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950085.	1.5	6
28	Local-global interaction buckling of square high strength concrete-filled double steel tubular slender beam-columns. <i>Thin-Walled Structures</i> , 2019, 143, 106244.	2.7	32
29	Numerical analysis of axially loaded circular high strength concrete-filled double steel tubular short columns. <i>Thin-Walled Structures</i> , 2019, 138, 105-116.	2.7	68
30	Numerical analysis of axially loaded rectangular concrete-filled steel tubular short columns at elevated temperatures. <i>Engineering Structures</i> , 2019, 180, 89-102.	2.6	20
31	Local buckling of steel plates in concrete-filled steel tubular columns at elevated temperatures. <i>Engineering Structures</i> , 2018, 168, 108-118.	2.6	20
32	Numerical simulation of high strength circular double-skin concrete-filled steel tubular slender columns. <i>Engineering Structures</i> , 2018, 168, 205-217.	2.6	47
33	Nonlinear analysis of rectangular concrete-filled double steel tubular short columns incorporating local buckling. <i>Engineering Structures</i> , 2018, 175, 13-26.	2.6	85
34	Nonlinear analysis of rectangular CFSST slender columns. , 2018, , 95-124.		0
35	Nonlinear analysis of CFSST short columns. , 2018, , 13-59.		0
36	Nonlinear analysis of circular CFSST slender columns. , 2018, , 61-93.		0

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37	Nonlinear analysis of biaxially loaded rectangular concrete-filled stainless steel tubular slender beam-columns. <i>Engineering Structures</i> , 2017, 140, 120-133.	2.6	41
38	Nonlinear analysis of circular double-skin concrete-filled steel tubular columns under axial compression. <i>Engineering Structures</i> , 2017, 131, 639-650.	2.6	107
39	Nonlinear analysis of circular high strength concrete-filled stainless steel tubular slender beam-columns. <i>Engineering Structures</i> , 2017, 130, 1-13.	2.6	25
40	Biaxially loaded high-strength concrete-filled steel tubular slender beam-columns, part II: Parametric study. <i>Journal of Constructional Steel Research</i> , 2015, 110, 200-207.	1.7	13
41	Numerical analysis of high-strength concrete-filled steel tubular slender beam-columns under cyclic loading. <i>Journal of Constructional Steel Research</i> , 2014, 92, 183-194.	1.7	45
42	Behavior of biaxially-loaded rectangular concrete-filled steel tubular slender beam-columns with preload effects. <i>Thin-Walled Structures</i> , 2014, 79, 166-177.	2.7	15
43	Nonlinear analysis of axially loaded circular concrete-filled stainless steel tubular short columns. <i>Journal of Constructional Steel Research</i> , 2014, 101, 9-18.	1.7	84
44	NUMERICAL ANALYSIS OF CIRCULAR CONCRETE-FILLED STEEL TUBULAR SLENDER BEAM-COLUMNS WITH PRELOAD EFFECTS. <i>International Journal of Structural Stability and Dynamics</i> , 2013, 13, 1250065.	1.5	17
45	Behaviour of circular concrete-filled lean duplex stainless steel-carbon steel tubular short columns. <i>Engineering Structures</i> , 2013, 56, 83-94.	2.6	70
46	Behaviour of circular concrete-filled lean duplex stainless steel tubular short columns. <i>Thin-Walled Structures</i> , 2013, 68, 113-123.	2.7	35
47	Circular concrete-filled double skin tubular short columns with external stainless steel tubes under axial compression. <i>Thin-Walled Structures</i> , 2013, 73, 252-263.	2.7	90
48	High strength thin-walled rectangular concrete-filled steel tubular slender beam-columns, Part I: Modeling. <i>Journal of Constructional Steel Research</i> , 2012, 70, 377-384.	1.7	45
49	High strength thin-walled rectangular concrete-filled steel tubular slender beam-columns, Part II: Behavior. <i>Journal of Constructional Steel Research</i> , 2012, 70, 368-376.	1.7	34
50	Biaxially loaded high-strength concrete-filled steel tubular slender beam-columns, Part I: Multiscale simulation. <i>Journal of Constructional Steel Research</i> , 2012, 75, 64-71.	1.7	42
51	Inelastic stability analysis of high strength rectangular concrete-filled steel tubular slender beam-columns. <i>Interaction and Multiscale Mechanics</i> , 2012, 5, 91-104.	0.4	9
52	Nonlinear Analysis of Biaxially Loaded High Strength Rectangular Concrete-Filled Steel Tubular Slender Beam-Columns, Part 1: Theory. , 2012, , .		0
53	Nonlinear Inelastic Behavior of Circular Concrete-Filled Steel Tubular Slender Beam-Columns with Preload Effects. , 2012, , .		0
54	High strength circular concrete-filled steel tubular slender beam-columns, Part I: Numerical analysis. <i>Journal of Constructional Steel Research</i> , 2011, 67, 164-171.	1.7	79

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55	High strength circular concrete-filled steel tubular slender beamâ€™columns, Part II: Fundamental behavior. Journal of Constructional Steel Research, 2011, 67, 172-180.	1.7	33
56	Performance-based shape optimization of continuum structures. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012194.	0.3	0
57	Nonlinear analysis of circular concrete-filled steel tubular short columns under eccentric loading. Journal of Constructional Steel Research, 2010, 66, 159-169.	1.7	53
58	Strength and ductility of high strength concrete-filled steel tubular beamâ€™columns. Journal of Constructional Steel Research, 2009, 65, 687-698.	1.7	35
59	Nonlinear analysis of circular concrete-filled steel tubular short columns under axial loading. Journal of Constructional Steel Research, 2009, 65, 2186-2196.	1.7	211
60	Performance-based analysis of concrete-filled steel tubular beamâ€™columns, Part II: Verification and applications. Journal of Constructional Steel Research, 2009, 65, 351-362.	1.7	48
61	Performance-based analysis of concrete-filled steel tubular beamâ€™columns, Part I: Theory and algorithms. Journal of Constructional Steel Research, 2009, 65, 363-372.	1.7	165
62	Nonlinear analysis of short concrete-filled steel tubular beamâ€™columns under axial load and biaxial bending. Journal of Constructional Steel Research, 2008, 64, 295-304.	1.7	25
63	A level set method for topology optimization of continuum structures with bounded design domains. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 1447-1465.	3.4	45
64	A Topological Optimization Method Considering Stress Constraints. , 2008, , .		1
65	Closure to â€™Strength 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
66	Strength of Concrete-Filled Steel Box Columns with Buckling Effects. Australian Journal of Structural Engineering, 2007, 7, 145-155.	0.4	4
67	Performance-Based Optimization: A Review. Advances in Structural Engineering, 2007, 10, 739-753.	1.2	22
68	Structural Design Optimization. Advances in Structural Engineering, 2007, 10, i-ii.	1.2	0
69	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
70	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
71	Strength Analysis of Steelâ€™Concrete Composite Beams in Combined Bending and Shear. Journal of Structural Engineering, 2005, 131, 1593-1600.	1.7	92
72	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

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73	Ultimate strength of continuous composite beams in combined bending and shear. Journal of Constructional Steel Research, 2004, 60, 1109-1128.	1.7	60
74	Performance-Based Optimization for Strut-Tie Modeling of Structural Concrete. Journal of Structural Engineering, 2002, 128, 815-823.	1.7	49
75	A performance-based optimization method for topology design of continuum structures with mean compliance constraints. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 1471-1489.	3.4	63
76	TOPOLOGY OPTIMIZATION OF STRUCTURES UNDER DYNAMIC RESPONSE CONSTRAINTS. Journal of Sound and Vibration, 2000, 234, 177-189.	2.1	87
77	Optimal topology selection of continuum structures with displacement constraints. Computers and Structures, 2000, 77, 635-644.	2.4	44
78	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
79	Optimal Topology Design of Bracing Systems for Multistory Steel Frames. Journal of Structural Engineering, 2000, 126, 823-829.	1.7	76
80	Parametric Study on the Structural Behaviour of Steel Plates in Concrete-Filled Fabricated Thin-Walled Box Columns. Advances in Structural Engineering, 1998, 2, 57-71.	1.2	24
81	Analysis and Design of Steel and Composite Structures. , 0, , .		5