

Yang Wei

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,040
citations

18
h-index

30
g-index

73
ext. papers

1,607
ext. citations

4.1
avg, IF

5.54
L-index

#	Paper	IF	Citations
70	General Stress-Strain Model for Steel- and FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014069	3.3	83
69	Flexural performance of bamboo scrimber beams strengthened with fiber-reinforced polymer. <i>Construction and Building Materials</i> , 2017 , 142, 66-82	6.7	71
68	A novel seawater and sea sand concrete filled FRP-carbon steel composite tube column: Concept and behaviour. <i>Composite Structures</i> , 2020 , 246, 112421	5.3	66
67	Performance of circular concrete-filled fiber-reinforced polymer-steel composite tube columns under axial compression. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 1911-1928	2.9	60
66	Stress-strain model of an FRP-confined concrete filled steel tube under axial compression. <i>Thin-Walled Structures</i> , 2019 , 142, 149-159	4.7	56
65	Compression behavior of concrete columns confined by high strength steel wire. <i>Construction and Building Materials</i> , 2014 , 54, 443-453	6.7	50
64	Experimental investigation of rectangular concrete-filled fiber reinforced polymer (FRP)-steel composite tube columns for various corner radii. <i>Composite Structures</i> , 2020 , 244, 112311	5.3	49
63	Stress-strain behavior and model of bamboo scrimber under cyclic axial compression. <i>Engineering Structures</i> , 2020 , 209, 110279	4.7	46
62	Behaviour of concrete confined by both steel spirals and fiber-reinforced polymer under axial load. <i>Composite Structures</i> , 2018 , 192, 577-591	5.3	45
61	Confinement effectiveness of circular concrete-filled steel tubular columns under axial compression. <i>Journal of Constructional Steel Research</i> , 2019 , 158, 15-27	3.8	41
60	Experimental Study on the Creep Behavior of Recombinant Bamboo. <i>Journal of Renewable Materials</i> , 2020 , 8, 251-273	2.4	38
59	Mechanical properties of discrete BFRP needles reinforced seawater sea-sand concrete-filled GFRP tubular stub columns. <i>Construction and Building Materials</i> , 2020 , 244, 118330	6.7	30
58	Experimental study on the flexural behavior of concrete beams reinforced with bundled hybrid steel/FRP bars. <i>Engineering Structures</i> , 2019 , 197, 109443	4.7	29
57	Compressive performance of high-strength seawater and sea sand concrete-filled circular FRP-steel composite tube columns. <i>Engineering Structures</i> , 2021 , 240, 112357	4.7	28
56	Experimental and theoretical investigation of steel-reinforced bamboo scrimber beams. <i>Engineering Structures</i> , 2020 , 223, 111179	4.7	26
55	Axial behavior of reinforced concrete column with ultra-high performance concrete stay-in-place formwork. <i>Engineering Structures</i> , 2020 , 210, 110403	4.7	22
54	Flexural behavior of bamboo-concrete composite beams with perforated steel plate connections. <i>Journal of Wood Science</i> , 2020 , 66,	2.4	20

53	Flexural behavior of seawater sea-sand coral concrete-UHPC composite beams reinforced with BFRP bars. <i>Construction and Building Materials</i> , 2020 , 265, 120279	6.7	20
52	Experimental investigation on axial compressive behavior of ultra-high performance concrete (UHPC) filled glass FRP tubes. <i>Construction and Building Materials</i> , 2019 , 225, 678-691	6.7	17
51	Flexural behaviour of glulam bamboo beams reinforced with near-surface mounted steel bars. <i>Materials Research Innovations</i> , 2015 , 19, S1-98-S1-103	1.9	16
50	Behavior and strength of rectangular bamboo scrimber columns with shape and slenderness effects. <i>Materials Today Communications</i> , 2020 , 25, 101392	2.5	16
49	Stress-strain relationship model of glulam bamboo under axial loading. <i>Advanced Composites Letters</i> , 2020 , 29, 2633366X2095872	1.2	14
48	Experimental investigation of timber beams strengthened by bamboo scrimber with anchorage structure. <i>Structures</i> , 2021 , 33, 1-11	3.4	13
47	Experimental investigations of concrete-filled steel tubular columns confined with high-strength steel wire. <i>Advances in Structural Engineering</i> , 2019 , 22, 2771-2784	1.9	12
46	Analytical model of concrete-filled FRP-steel composite tube columns under cyclic axial compression. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106414	3.5	12
45	Experimental investigation of the long-term behavior of reconstituted bamboo beams with various loading levels. <i>Journal of Building Engineering</i> , 2021 , 36, 102107	5.2	10
44	Characterizing engineering performance of bamboo-wood composite cross-laminated timber made from bamboo mat-curtain panel and hem-fir lumber. <i>Composite Structures</i> , 2021 , 266, 113785	5.3	10
43	Structural behavior of prefabricated bamboo-lightweight concrete composite beams with perforated steel plate connectors. <i>Archives of Civil and Mechanical Engineering</i> , 2021 , 21, 1	3.4	10
42	Flexural Performance of Glued Laminated Bamboo Beams. <i>Advanced Materials Research</i> , 2010 , 168-170, 1700-1703	0.5	9
41	Influence of slenderness ratio and sectional geometry on the axial compression behavior of original bamboo columns. <i>Journal of Wood Science</i> , 2021 , 67,	2.4	9
40	Flexural strengthening of RC beams using distributed prestressed high strength steel wire rope: theoretical analysis. <i>Structure and Infrastructure Engineering</i> , 2014 , 10, 160-174	2.9	8
39	Behavior of FRP-confined ultra-high performance concrete under eccentric compression. <i>Composite Structures</i> , 2021 , 256, 113040	5.3	8
38	Experimental and numerical investigation on the seismic performance of concrete-filled UHPC tubular columns. <i>Journal of Building Engineering</i> , 2021 , 43, 103118	5.2	8
37	Modeling for complete stress-strain curve of circular concrete columns confined with steel spiral and FRP. <i>Journal of Building Engineering</i> , 2021 , 44, 103294	5.2	8
36	Comparative Study on Mechanical Behavior of Bamboo-Concrete Connections and Wood-Concrete Connections. <i>Frontiers in Materials</i> , 2020 , 7,	4	6

35	Experimental investigation of bamboo-concrete composite beams with threaded reinforcement connections. <i>Journal of Sandwich Structures and Materials</i> ,109963622110235	2.1	6
34	Bond-slip behavior of bundled steel/FRP bars and its implementation in high-fidelity FE modeling of reinforced concrete beams. <i>Construction and Building Materials</i> , 2021 , 286, 122887	6.7	5
33	An investigation of the flexural performance of bamboo-concrete composite beams with precast light concrete slabs and dowel connectors. <i>Journal of Building Engineering</i> , 2021 , 41, 102759	5.2	5
32	A novel seawater and sea sand concrete-filled FRP-carbon steel composite tube column: Cyclic axial compression behaviour and modelling. <i>Engineering Structures</i> , 2021 , 252, 113531	4.7	4
31	Experimental investigation on the flexural behavior of laminated bamboo-timber I-beams. <i>Journal of Building Engineering</i> , 2021 , 103651	5.2	4
30	Experimental and analytical investigations on flexural behavior of bamboo beams strengthened with steel bars. <i>Advances in Structural Engineering</i> ,136943322110262	1.9	4
29	A general model for predicting the off-axis performance of fiber reinforced composite materials. <i>Structures</i> , 2021 , 34, 2087-2097	3.4	4
28	Flexural Behavior of Concrete-Filled FRP-Steel Composite Circular Tubes. <i>Advanced Materials Research</i> , 2011 , 243-249, 1316-1320	0.5	3
27	Compressive performance of concrete-filled steel tube columns with in-built seawater and sea sand concrete-filled FRP tubes. <i>Construction and Building Materials</i> , 2022 , 317, 125933	6.7	3
26	Compressive performance of bamboo sheet twining tube-confined recycled aggregate concrete columns. <i>Construction and Building Materials</i> , 2022 , 323, 126544	6.7	3
25	Experimental investigation of full-culm bamboo tubes strengthened by filled concrete and bamboo sheets under axial compression. <i>Journal of Building Engineering</i> , 2021 , 103548	5.2	3
24	Compressive Behavior of Bamboo Sheet Twining Tube-Confined Concrete Columns. <i>Polymers</i> , 2021 , 13,	4.5	3
23	A review of the research and application progress of new types of concrete-filled FRP tubular members. <i>Construction and Building Materials</i> , 2021 , 312, 125353	6.7	3
22	Off-axis compressive behavior of cross-laminated bamboo and timber wall elements. <i>Structures</i> , 2022 , 35, 452-468	3.4	2
21	Compressive behaviour of FRP-steel wire mesh composite tubes filled with seawater and sea sand concrete. <i>Construction and Building Materials</i> , 2022 , 314, 125608	6.7	2
20	Compressive behavior of rectangular concrete-filled fiber-reinforced polymer and steel composite tube columns with stress-release grooves. <i>Composite Structures</i> , 2021 , 114984	5.3	2
19	Preliminary Design and Experimental Study of a Steel-Batten Ribbed Cable Dome. <i>Symmetry</i> , 2021 , 13, 2136	2.7	2
18	Experimental Study on Timber-Lightweight Concrete Composite Beams with Ductile Bolt Connectors. <i>Materials</i> , 2021 , 14,	3.5	2

17	Bond and flexural performance of basalt fiber reinforced polymer bar reinforced seawater sea sand glass aggregate concrete beams. <i>Advances in Structural Engineering</i> , 136943322110262	1.9	2
16	Experimental Study on Cyclic Behavior of SFCBs with Different Slenderness Ratios. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04021204	3	2
15	Preliminary Research on Mechanical Properties of FRP-Reinforced Bamboo Beams. <i>Advanced Materials Research</i> , 2011, 243-249, 1237-1241	0.5	1
14	Bending and shear performance of cross-laminated timber and glued-laminated timber beams: A comparative investigation. <i>Journal of Building Engineering</i> , 2022, 45, 103477	5.2	1
13	Performance of Circular Concrete-Filled FRP-Grooved Steel Composite Tube Columns under Axial Compression. <i>Polymers</i> , 2021, 13,	4.5	1
12	Experimental Investigation of BFRP Tendons under Monotonic and Hysteretic Loadings. <i>Polymers</i> , 2021, 13,	4.5	1
11	Bond performance between SFCBs and grouted sleeves for precast concrete structures. <i>Advances in Structural Engineering</i> , 136943322110015	1.9	1
10	Accumulative traction-hoisting construction technology of a semi-rigid steel batten cable dome. <i>Structures</i> , 2021, 31, 159-171	3.4	1
9	Probabilistic Assessment Approach of the Aerostatic Instability of Long-Span Symmetry Cable-Stayed Bridges. <i>Symmetry</i> , 2021, 13, 2413	2.7	1
8	Seismic performance and resilience assessment of friction damped self-centering prestressed concrete frames. <i>Engineering Structures</i> , 2022, 263, 114346	4.7	1
7	Axial compressive behavior of ultra-high performance concrete confined by high-strength transverse reinforcements. <i>Construction and Building Materials</i> , 2022, 324, 126518	6.7	0
6	Axial compressive behavior of seawater sea-sand coral aggregate concrete-filled circular FRP-steel composite tube columns. <i>Construction and Building Materials</i> , 2021, 125737	6.7	0
5	An experimental and modeling study on apparent bending moduli of cross-laminated bamboo and timber (CLBT) in orthogonal strength directions. <i>Case Studies in Construction Materials</i> , 2022, 16, e00874	2.7	0
4	Mechanical behavior of bamboo composite tubes under axial compression. <i>Construction and Building Materials</i> , 2022, 339, 127681	6.7	0
3	Mechanical Behavior of Foam-Filled Bamboo Composite Tubes under Axial Compression. <i>Polymers</i> , 2022, 14, 2006	4.5	0
2	A New Approach to Symmetry Reliability: Combination of Forward and Inverse Reliability Principle and Its Application to Frame Structures and Bamboo Bridges. <i>Symmetry</i> , 2022, 14, 318	2.7	
1	Development of a Pre-Evaluation and Health Monitoring System for FAST Cable-Net Structure. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 332	2.6	