

Yang Wei

List of Publications by Year in Descending Order

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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 | 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 |
| 69 | 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 |
| 68 | Compressive performance of bamboo sheet twining tube-confined recycled aggregate concrete columns. <i>Construction and Building Materials</i> , 2022 , 323, 126544 | 6.7 | 3 |
| 67 | 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 | |
| 66 | Off-axis compressive behavior of cross-laminated bamboo and timber wall elements. <i>Structures</i> , 2022 , 35, 452-468 | 3.4 | 2 |
| 65 | 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 |
| 64 | 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} | 2.7 | 0 |
| 63 | 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 |
| 62 | Development of a Pre-Evaluation and Health Monitoring System for FAST Cable-Net Structure. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 332 | 2.6 | |
| 61 | Mechanical behavior of bamboo composite tubes under axial compression. <i>Construction and Building Materials</i> , 2022 , 339, 127681 | 6.7 | 0 |
| 60 | Mechanical Behavior of Foam-Filled Bamboo Composite Tubes under Axial Compression. <i>Polymers</i> , 2022 , 14, 2006 | 4.5 | 0 |
| 59 | Seismic performance and resilience assessment of friction damped self-centering prestressed concrete frames. <i>Engineering Structures</i> , 2022 , 263, 114346 | 4.7 | 1 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | Experimental investigation on the flexural behavior of laminated bamboo-timber I-beams. <i>Journal of Building Engineering</i> , 2021 , 103651 | 5.2 | 4 |

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| 53 | Compressive Behavior of Bamboo Sheet Twining Tube-Confined Concrete Columns. <i>Polymers</i> , 2021 , 13, | 4.5 | 3 |
| 52 | Preliminary Design and Experimental Study of a Steel-Batten Ribbed Cable Dome. <i>Symmetry</i> , 2021 , 13, 2136 | 2.7 | 2 |
| 51 | Performance of Circular Concrete-Filled FRP-Grooved Steel Composite Tube Columns under Axial Compression. <i>Polymers</i> , 2021 , 13, | 4.5 | 1 |
| 50 | Experimental Investigation of BFRP Tendons under Monotonic and Hysteretic Loadings. <i>Polymers</i> , 2021 , 13, | 4.5 | 1 |
| 49 | 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 |
| 48 | 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 |
| 47 | Experimental Study on Timber-Lightweight Concrete Composite Beams with Ductile Bolt Connectors. <i>Materials</i> , 2021 , 14, | 3.5 | 2 |
| 46 | 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 |
| 45 | 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 |
| 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 | Accumulative traction-hoisting construction technology of a semi-rigid steel batten cable dome. <i>Structures</i> , 2021 , 31, 159-171 | 3.4 | 1 |
| 42 | Behavior of FRP-confined ultra-high performance concrete under eccentric compression. <i>Composite Structures</i> , 2021 , 256, 113040 | 5.3 | 8 |
| 41 | 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 |
| 40 | 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 |
| 39 | Experimental Study on Cyclic Behavior of SFCBs with Different Slenderness Ratios. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021204 | 3 | 2 |
| 38 | 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 |
| 37 | Experimental investigation of timber beams strengthened by bamboo scrimber with anchorage structure. <i>Structures</i> , 2021 , 33, 1-11 | 3.4 | 13 |
| 36 | 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 |

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| 35 | 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 |
| 34 | A general model for predicting the off-axis performance of fiber reinforced composite materials. <i>Structures</i> , 2021 , 34, 2087-2097 | 3.4 | 4 |
| 33 | Probabilistic Assessment Approach of the Aerostatic Instability of Long-Span Symmetry Cable-Stayed Bridges. <i>Symmetry</i> , 2021 , 13, 2413 | 2.7 | 1 |
| 32 | Stress-strain behavior and model of bamboo scrimber under cyclic axial compression. <i>Engineering Structures</i> , 2020 , 209, 110279 | 4.7 | 46 |
| 31 | Flexural behavior of bamboo-concrete composite beams with perforated steel plate connections. <i>Journal of Wood Science</i> , 2020 , 66, | 2.4 | 20 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Experimental Study on the Creep Behavior of Recombinant Bamboo. <i>Journal of Renewable Materials</i> , 2020 , 8, 251-273 | 2.4 | 38 |
| 26 | Stress-strain relationship model of glulam bamboo under axial loading. <i>Advanced Composites Letters</i> , 2020 , 29, 2633366X2095872 | 1.2 | 14 |
| 25 | Comparative Study on Mechanical Behavior of Bamboo-Concrete Connections and Wood-Concrete Connections. <i>Frontiers in Materials</i> , 2020 , 7, | 4 | 6 |
| 24 | 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 |
| 23 | 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 |
| 22 | Behavior and strength of rectangular bamboo scrimber columns with shape and slenderness effects. <i>Materials Today Communications</i> , 2020 , 25, 101392 | 2.5 | 16 |
| 21 | Experimental and theoretical investigation of steel-reinforced bamboo scrimber beams. <i>Engineering Structures</i> , 2020 , 223, 111179 | 4.7 | 26 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |

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| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Flexural performance of bamboo scrimber beams strengthened with fiber-reinforced polymer. <i>Construction and Building Materials</i> , 2017 , 142, 66-82 | 6.7 | 71 |
| 12 | General Stress-Strain Model for Steel- and FRP-Confined Concrete. <i>Journal of Composites for Construction</i> , 2015 , 19, 04014069 | 3.3 | 83 |
| 11 | 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 |
| 10 | Compression behavior of concrete columns confined by high strength steel wire. <i>Construction and Building Materials</i> , 2014 , 54, 443-453 | 6.7 | 50 |
| 9 | 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 |
| 8 | 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 |
| 7 | Preliminary Research on Mechanical Properties of FRP-Reinforced Bamboo Beams. <i>Advanced Materials Research</i> , 2011 , 243-249, 1237-1241 | 0.5 | 1 |
| 6 | Flexural Behavior of Concrete-Filled FRP-Steel Composite Circular Tubes. <i>Advanced Materials Research</i> , 2011 , 243-249, 1316-1320 | 0.5 | 3 |
| 5 | Flexural Performance of Glued Laminated Bamboo Beams. <i>Advanced Materials Research</i> , 2010 , 168-170, 1700-1703 | 0.5 | 9 |
| 4 | Bond performance between SFCBs and grouted sleeves for precast concrete structures. <i>Advances in Structural Engineering</i> , 136943322110015 | 1.9 | 1 |
| 3 | Experimental investigation of bamboo-concrete composite beams with threaded reinforcement connections. <i>Journal of Sandwich Structures and Materials</i> , 109963622110235 | 2.1 | 6 |
| 2 | 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 |
| 1 | Experimental and analytical investigations on flexural behavior of bamboo beams strengthened with steel bars. <i>Advances in Structural Engineering</i> , 136943322110262 | 1.9 | 4 |