# Haitao Li

## List of Publications by Citations



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|---|---|---|---|
| 54 papers | 563 citations | 15 h-index | 21 g-index |
| 57 ext. papers | 879 ext. citations | 4.2 avg, IF | 4.48 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 54 | Hybrid approach to determine the mechanical parameters of fibers and matrixes of bamboo. *Construction and Building Materials*, **2012**, 35, 191-196 | 6.7 | 54 |
| 53 | Ultimate bending capacity evaluation of laminated bamboo lumber beams. *Construction and Building Materials*, **2018**, 160, 365-375 | 6.7 | 46 |
| 52 | Review on Connections for Original Bamboo Structures. *Journal of Renewable Materials*, **2019**, 7, 713-730 | 2.4 | 28 |
| 51 | Mechanical performance of parallel bamboo strand lumber columns under axial compression: Experimental and numerical investigation. *Construction and Building Materials*, **2020**, 231, 117168 | 6.7 | 28 |
| 50 | Slenderness Ratio Effect on Eccentric Compression Properties of Parallel Bamboo Strand Lumber Columns. *Journal of Structural Engineering*, **2019**, 145, 04019077 | 3 | 24 |
| 49 | Review of connections for engineered bamboo structures. *Journal of Building Engineering*, **2020**, 30, 101324 | 3.4 | 24 |
| 48 | Mechanical properties of laminated bamboo under off-axis compression. *Composites Part A: Applied Science and Manufacturing*, **2020**, 138, 106042 | 8.4 | 24 |
| 47 | Mechanical Properties and Stress Strain Relationship Models for Bamboo Scrimber. *Journal of Renewable Materials*, **2020**, 8, 13-27 | 2.4 | 22 |
| 46 | Compression Behaviors of Parallel Bamboo Strand Lumber Under Static Loading. *Journal of Renewable Materials*, **2019**, 7, 583-600 | 2.4 | 20 |
| 45 | Digital analysis of the geometric variability of Guadua, Moso and Oldhamii bamboo. *Construction and Building Materials*, **2020**, 236, 117535 | 6.7 | 19 |
| 44 | An experimental investigation on Parallel Bamboo Strand Lumber specimens under quasi static and impact loading. *Construction and Building Materials*, **2019**, 228, 116724 | 6.7 | 18 |
| 43 | AFRP Influence on Parallel Bamboo Strand Lumber Beams. *Sensors*, **2018**, 18, | 3.8 | 18 |
| 42 | Experimental study on the longitudinal shear bond behavior of lightweight aggregate concrete  Closed profiled steel sheeting composite slabs. *Construction and Building Materials*, **2017**, 156, 599-610 | 6.7 | 17 |
| 41 | Length and orientation direction effect on static bending properties of laminated Moso bamboo. *European Journal of Wood and Wood Products*, **2019**, 77, 547-557 | 2.1 | 17 |
| 40 | Axial compressive performance of laminated bamboo column with aramid fiber reinforced polymer. *Composite Structures*, **2021**, 258, 113398 | 5.3 | 15 |
| 39 | Determination of the physical and mechanical properties of moso, guadua and oldhamii bamboo assisted by robotic fabrication. *Journal of Wood Science*, **2020**, 66, | 2.4 | 14 |
| 38 | Experimental study on the deformation and failure mechanism of parallel bamboo Strand Lumber under drop-weight penetration impact. *Construction and Building Materials*, **2020**, 242, 118135 | 6.7 | 13 |

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| 37 | Evaluation on the ultimate bearing capacity for laminated bamboo lumber columns under eccentric compression. *Structures*, **2020**, 28, 1572-1579 | 3.4 | 13 |
| 36 | Mechanical behaviour of steel timber composite shear connections. *Construction and Building Materials*, **2020**, 258, 119605 | 6.7 | 10 |
| 35 | The longitudinal shear bond behavior of an innovative laminated fiber reinforced composite slab. *Construction and Building Materials*, **2019**, 215, 508-522 | 6.7 | 9 |
| 34 | Bamboo construction materials: Carbon storage and potential to reduce associated CO emissions.. *Science of the Total Environment*, **2021**, 814, 152697 | 10.2 | 9 |
| 33 | Review on Bond Properties between Wood and Fiber Reinforced Polymer. *Journal of Renewable Materials*, **2020**, 8, 993-1018 | 2.4 | 8 |
| 32 | Bimodulus bending model for bamboo poles. *Construction and Building Materials*, **2020**, 262, 120876 | 6.7 | 8 |
| 31 | Mechanical properties of large-scale parallel bamboo strand lumber under local compression. *Construction and Building Materials*, **2021**, 271, 121572 | 6.7 | 8 |
| 30 | Research on thermal performance and hygrothermal behavior of timber-framed walls with different external insulation layer: Insulation Cork Board and anti-corrosion pine plate. *Journal of Building Engineering*, **2020**, 28, 101069 | 5.2 | 7 |
| 29 | Bamboo node effect on the tensile properties of side press-laminated bamboo lumber. *Wood Science and Technology*, **2021**, 55, 195-214 | 2.5 | 7 |
| 28 | Properties and Applications of Bamboo Fiber: A Current-State-of-the Art. *Journal of Renewable Materials*, **2022**, 10, 605-624 | 2.4 | 7 |
| 27 | A Constrained Energy Minimum Approach to Modal Dynamic Control of Vibrations in Ancient Nonlinear Structures. *International Journal of Structural Stability and Dynamics*, **2019**, 19, 1950054 | 1.9 | 6 |
| 26 | Evaluation of the Adequacy of Development Length Requirements for 500 MPa Reinforcing Bars. *Advances in Structural Engineering*, **2011**, 14, 367-378 | 1.9 | 6 |
| 25 | Size Effect on the Compressive Strength of Laminated Bamboo Lumber. *Journal of Materials in Civil Engineering*, **2021**, 33, | 3 | 6 |
| 24 | Rolling shear properties of cross-laminated timber (CLT) made from Australian Radiata Pine: An experimental study. *Structures*, **2021**, 33, 423-432 | 3.4 | 6 |
| 23 | Nodes Effect on the Bending Performance of Laminated Bamboo Lumber Unit. *Journal of Renewable Materials*, **2021**, 9, 1143-1156 | 2.4 | 5 |
| 22 | Effects of chemical modification and nanotechnology on wood properties. *Nanotechnology Reviews* , **2021**, 10, 978-1008 | 6.3 | 5 |
| 21 | Slenderness Ratio Effect on the Eccentric Compression Performance of Chamfered Laminated Bamboo Lumber Columns. *Journal of Renewable Materials*, **2022**, 10, 165-182 | 2.4 | 5 |
| 20 | Withdrawal resistance of self-tapping screws inserted on the narrow face of cross laminated timber made from Radiata Pine. *Structures*, **2021**, 31, 1130-1140 | 3.4 | 4 |

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| 19 | Experimental investigation on axial compression behavior of laminated bamboo lumber short columns confined with CFRP. *Composites Part A: Applied Science and Manufacturing*, **2021**, 150, 106605 | 8.4 | 4 |
| 18 | Experimental and numerical study on eccentric compression properties of laminated bamboo columns with a chamfered section. *Journal of Building Engineering*, **2021**, 43, 102901 | 5.2 | 4 |
| 17 | Convolutive PD controller for hybrid improvement of dynamic structural systems. *Soil Dynamics and Earthquake Engineering*, **2020**, 137, 106255 | 3.5 | 3 |
| 16 | Evaluation of axial capacity of engineered bamboo columns. *Journal of Building Engineering*, **2021**, 34, 102039 | 5.2 | 3 |
| 15 | Optimum design of dynamic modal control algorithm using non-linear structural mathematical modeling. *Soil Dynamics and Earthquake Engineering*, **2018**, 114, 548-554 | 3.5 | 2 |
| 14 | Review on materials and structures inspired by bamboo. *Construction and Building Materials*, **2022**, 325, 126656 | 6.7 | 2 |
| 13 | Holonomic non-linear modelling for the analysis of heterogeneously resisting structures. *Engineering Solid Mechanics*, **2018**, 253-262 | 1.3 | 2 |
| 12 | Non-linear behaviour and failure mechanism of bamboo poles in bending. *Construction and Building Materials*, **2021**, 305, 124747 | 6.7 | 2 |
| 11 | Axial compressive behavior of laminated bamboo lumber columns with a chamfered section. *Structures*, **2021**, 33, 678-692 | 3.4 | 2 |
| 10 | Compression resistance of short LBL columns with local damage after retrofitting using basalt fiber reinforced polymer. *Journal of Building Engineering*, **2022**, 48, 103941 | 5.2 | 1 |
| 9 | Length effect on bending properties and evaluation of shear modulus of parallel bamboo strand lumber. *European Journal of Wood and Wood Products*, **2021**, 79, 1507 | 2.1 | 1 |
| 8 | Effects of Freeze-Thaw Cycles on Physical and Mechanical Properties of Glulam Exposed to Outdoor Environment. *Journal of Renewable Materials*, **2021**, 9, 1293-1307 | 2.4 | 1 |
| 7 | Effect of nodes on mechanical properties and microstructure of laminated bamboo lumber units. *Construction and Building Materials*, **2021**, 304, 124427 | 6.7 | 1 |
| 6 | Compressive performance of AFRP reinforced laminated bamboo stub columns. *Archives of Civil and Mechanical Engineering*, **2022**, 22, 1 | 3.4 | 1 |
| 5 | Nanotechnology application on bamboo materials: A review. *Nanotechnology Reviews*, **2022**, 11, 1670-1695 | 6.3 | 1 |
| 4 | Mechanical properties of aramid fiber reinforced polymer confined laminated bamboo lumber column under cyclic loading. *European Journal of Wood and Wood Products*,1 | 2.1 | 1 |
| 3 | Fiber alignment angles effect on the tensile performance of laminated bamboo lumber. *European Journal of Wood and Wood Products*,1 | 2.1 | 0 |
| 2 | Evaluation on the axial compression mechanical properties of short BFRP laminated bamboo lumber columns. *Journal of Building Engineering*, **2022**, 104483 | 5.2 | 0 |

# List of Publications

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| 1 | Behaviour of Parallel Bamboo Strand Lumber under compression loading an experimental study. *MATEC Web of Conferences*, **2019**, 275, 01002 | 0.3 |