Haitao Li

List of Publications by Year in descending order

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57 papers	1,200 citations	331642 21 h-index	434170 31 g-index
57 all docs	57 docs citations	57 times ranked	331 citing authors

#	Article	IF	Citations
1	Hybrid approach to determine the mechanical parameters of fibers and matrixes of bamboo. Construction and Building Materials, 2012, 35, 191-196.	7.2	76
2	Ultimate bending capacity evaluation of laminated bamboo lumber beams. Construction and Building Materials, 2018, 160, 365-375.	7.2	68
3	Bamboo construction materials: Carbon storage and potential to reduce associated CO2 emissions. Science of the Total Environment, 2022, 814, 152697.	8.0	52
4	Review on Connections for Original Bamboo Structures. Journal of Renewable Materials, 2019, 7, 713-730.	2.2	51
5	Mechanical properties of laminated bamboo under off-axis compression. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106042.	7.6	46
6	Mechanical performance of parallel bamboo strand lumber columns under axial compression: Experimental and numerical investigation. Construction and Building Materials, 2020, 231, 117168.	7.2	44
7	Mechanical Properties and Stress Strain Relationship Models for Bamboo Scrimber. Journal of Renewable Materials, 2020, 8, 13-27.	2.2	44
8	Review of connections for engineered bamboo structures. Journal of Building Engineering, 2020, 30, 101324.	3.4	40
9	Compression Behaviors of Parallel Bamboo Strand Lumber Under Static Loading. Journal of Renewable Materials, 2019, 7, 583-600.	2.2	36
10	Effects of chemical modification and nanotechnology on wood properties. Nanotechnology Reviews, 2021, 10, 978-1008.	5.8	35
11	An experimental investigation on Parallel Bamboo Strand Lumber specimens under quasi static and impact loading. Construction and Building Materials, 2019, 228, 116724.	7.2	34
12	Slenderness Ratio Effect on Eccentric Compression Properties of Parallel Bamboo Strand Lumber Columns. Journal of Structural Engineering, 2019, 145, .	3.4	34
13	Axial compressive performance of laminated bamboo column with aramid fiber reinforced polymer. Composite Structures, 2021, 258, 113398.	5.8	31
14	Mechanical behaviour of steel timber composite shear connections. Construction and Building Materials, 2020, 258, 119605.	7.2	30
15	Bamboo node effect on the tensile properties of side press-laminated bamboo lumber. Wood Science and Technology, 2021, 55, 195-214.	3.2	28
16	Review on materials and structures inspired by bamboo. Construction and Building Materials, 2022, 325, 126656.	7.2	28
17	Determination of the physical and mechanical properties of moso, guadua and oldhamii bamboo assisted by robotic fabrication. Journal of Wood Science, 2020, 66, .	1.9	26
18	Digital analysis of the geometric variability of Guadua, Moso and Oldhamii bamboo. Construction and Building Materials, 2020, 236, 117535.	7.2	25

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19	Length and orientation direction effect on static bending properties of laminated Moso bamboo. European Journal of Wood and Wood Products, 2019, 77, 547-557.	2.9	24
20	Properties and Applications of Bamboo Fiberâ€“A Current-State-of-the Art. Journal of Renewable Materials, 2022, 10, 605-624.	2.2	24
21	Mechanical properties of aramid fiber reinforced polymer confined laminated bamboo lumber column under cyclic loading. European Journal of Wood and Wood Products, 2022, 80, 1057-1070.	2.9	24
22	AFRP Influence on Parallel Bamboo Strand Lumber Beams. Sensors, 2018, 18, 2854.	3.8	23
23	Evaluation on the ultimate bearing capacity for laminated bamboo lumber columns under eccentric compression. Structures, 2020, 28, 1572-1579.	3.6	23
24	Experimental study on the longitudinal shear bond behavior of lightweight aggregate concrete â€“ Closed profiled steel sheeting composite slabs. Construction and Building Materials, 2017, 156, 599-610.	7.2	22
25	Rolling shear properties of cross-laminated timber (CLT) made from Australian Radiata Pine â€“ An experimental study. Structures, 2021, 33, 423-432.	3.6	22
26	A Review of Basic Mechanical Behavior of Laminated Bamboo Lumber. Journal of Renewable Materials, 2022, 10, 273-300.	2.2	22
27	Bimodulus bending model for bamboo poles. Construction and Building Materials, 2020, 262, 120876.	7.2	21
28	Mechanical properties of large-scale parallel bamboo strand lumber under local compression. Construction and Building Materials, 2021, 271, 121572.	7.2	21
29	Nanotechnology application on bamboo materials: A review. Nanotechnology Reviews, 2022, 11, 1670-1695.	5.8	20
30	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.	7.2	17
31	Size Effect on the Compressive Strength of Laminated Bamboo Lumber. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	16
32	Review on Bond Properties between Wood and Fiber Reinforced Polymer. Journal of Renewable Materials, 2020, 8, 993-1018.	2.2	16
33	Effect of nodes on mechanical properties and microstructure of laminated bamboo lumber units. Construction and Building Materials, 2021, 304, 124427.	7.2	14
34	Slenderness Ratio Effect on the Eccentric Compression Performance of Chamfered Laminated Bamboo Lumber Columns. Journal of Renewable Materials, 2022, 10, 165-182.	2.2	13
35	The longitudinal shear bond behavior of an innovative laminated fiber reinforced composite slab. Construction and Building Materials, 2019, 215, 508-522.	7.2	12
36	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.	3.4	12

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37	Withdrawal resistance of self-tapping screws inserted on the narrow face of cross laminated timber made from Radiata Pine. Structures, 2021, 31, 1130-1140.	3.6	11
38	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.	2.4	10
39	Evaluation of axial capacity of engineered bamboo columns. Journal of Building Engineering, 2021, 34, 102039.	3.4	10
40	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.	7.6	10
41	Effects of Freeze-Thaw Cycles on Physical and Mechanical Properties of Glulam Exposed to Outdoor Environment. Journal of Renewable Materials, 2021, 9, 1293-1307.	2.2	9
42	Non-linear behaviour and failure mechanism of bamboo poles in bending. Construction and Building Materials, 2021, 305, 124747.	7.2	9
43	Optimum design of dynamic modal control algorithm using non-linear structural mathematical modeling. Soil Dynamics and Earthquake Engineering, 2018, 114, 548-554.	3.8	8
44	Nodes Effect on the Bending Performance of Laminated Bamboo Lumber Unit. Journal of Renewable Materials, 2021, 9, 1143-1156.	2.2	8
45	Axial compressive behavior of laminated bamboo lumber columns with a chamfered section. Structures, 2021, 33, 678-692.	3.6	8
46	Evaluation of the Adequacy of Development Length Requirements for 500 MPa Reinforcing Bars. Advances in Structural Engineering, 2011, 14, 367-378.	2.4	7
47	Experimental and numerical study on eccentric compression properties of laminated bamboo columns with a chamfered section. Journal of Building Engineering, 2021, 43, 102901.	3.4	6
48	Study on in-plane shear failure mode of cross-laminated timber panel. Journal of Wood Science, 2022, 68, .	1.9	6
49	Convolutive PD controller for hybrid improvement of dynamic structural systems. Soil Dynamics and Earthquake Engineering, 2020, 137, 106255.	3.8	5
50	Fiber alignment angles effect on the tensile performance of laminated bamboo lumber. European Journal of Wood and Wood Products, 2022, 80, 829-840.	2.9	5
51	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.	2.9	4
52	Compression resistance of short LBL columns with local damage after retrofitting using basalt fiber reinforced polymer. Journal of Building Engineering, 2022, 48, 103941.	3.4	3
53	Compressive performance of AFRP reinforced laminated bamboo stub columns. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	3.8	3
54	Holonomic non-linear modelling for the analysis of heterogeneously resisting structures. Engineering Solid Mechanics, 2018, , 253-262.	1.2	2

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55	Behavior of CFRP-Strengthened Chamfered Laminated Bamboo Lumber under Eccentric Compression. Journal of Composites for Construction, 2022, 26, .	3.2	1
56	Evaluation on the axial compression mechanical properties of short BFRP laminated bamboo lumber columns. Journal of Building Engineering, 2022, 53, 104483.	3.4	1
57	Behaviour of Parallel Bamboo Strand Lumber under compression loading â€“ an experimental study. MATEC Web of Conferences, 2019, 275, 01002.	0.2	0