Chunping Dai

List of Publications by Year
in descending order

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30 papers	735 citations	471061 17 h-index	525886 27 g-index
30 all docs	30 docs citations	30 times ranked	298 citing authors

#	Article	IF	Citations
1	Influence of Fine Structure on the Variations of Thermal and Mechanical Properties in Flax Fibers Modified with Different Alkaline Treatment Conditions. Journal of Natural Fibers, 2022, 19, 5239-5257.	1.7	7
2	A new protocol for rapid assessment of bond durability of bio-based pipes: bamboo winding composite pipe as a case study. European Journal of Wood and Wood Products, 2022, 80, 947-959.	1.3	9
3	Bamboo-based composites: A review on fundamentals and processes of bamboo bonding. Composites Part B: Engineering, 2022, 235, 109776.	5.9	97
4	Optimum veneer peeling temperatures for selected softwood species using big roller bars. European Journal of Wood and Wood Products, 2021, 79, 151-159.	1.3	1
5	Characterizing Mat Formation of Bamboo Fiber Composites: Horizontal Density Distribution. Materials, 2021, 14, 1198.	1.3	9
6	Mechanical and Adsorptive Properties of Foamed EVA-Modified Polypropylene/Bamboo Charcoal Composites. Materials, 2021, 14, 1524.	1.3	1
7	Enhancement of Flame Retardancy and Mechanical Properties of Polylactic Acid with a Biodegradable Fire-Retardant Filler System Based on Bamboo Charcoal. Polymers, 2021, 13, 2167.	2.0	16
8	Water vapor sorption behavior of bamboo pertaining to its hierarchical structure. Scientific Reports, 2021, 11, 12714.	1.6	9
9	Sustainability and innovation of bamboo winding composite pipe products. Renewable and Sustainable Energy Reviews, 2021, 144, 110976.	8.2	54
10	Precise microcasting revealing the connectivity of bamboo pore network. Industrial Crops and Products, 2021, 170, 113787.	2.5	25
11	Computer simulation of the mat formation of bamboo scrimber composites. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106542.	3.8	16
12	Intumescent-Grafted Bamboo Charcoal: A Natural Nontoxic Fire-Retardant Filler for Polylactic Acid (PLA) Composites. ACS Omega, 2021, 6, 26990-27006.	1.6	17
13	Hygroscopic swelling of moso bamboo cells. Cellulose, 2020, 27, 611-620.	2.4	38
14	Influence of cell wall structure on the fracture behavior of bamboo (Phyllostachys edulis) fibers. Industrial Crops and Products, 2020, 155, 112787.	2.5	31
15	In-situ investigation of deformation behaviors of moso bamboo cells pertaining to flexural ductility. Cellulose, 2020, 27, 9623-9635.	2.4	21
16	Flexural strength and ductility of moso bamboo. Construction and Building Materials, 2020, 246, 118418.	3.2	93
17	Development of Biodegradable Flame-Retardant Bamboo Charcoal Composites, Part I: Thermal and Elemental Analyses. Polymers, 2020, 12, 2217.	2.0	17
18	Development of Biodegradable Flame-Retardant Bamboo Charcoal Composites, Part II: Thermal Degradation, Gas Phase, and Elemental Analyses. Polymers, 2020, 12, 2238.	2.0	17

#	Article	IF	Citations
19	Fracture modes of bamboo fiber bundles in three-point bending. Cellulose, 2019, 26, 8101-8108.	2.4	26
20	Mode I interlaminar fracture toughness behavior and mechanisms of bamboo. Materials and Design, 2019, 183, 108132.	3.3	55
21	The evaluation of panel bond quality and durability of hem-fir cross-laminated timber (CLT). European Journal of Wood and Wood Products, 2018, 76, 833-841.	1.3	28
22	Development of soy-based adhesives for the manufacture of wood composite products. Holzforschung, 2012, 66, 857-862.	0.9	19
23	Characterizing hydro-thermal compression behavior of aspen wood strands. Holzforschung, 2009, 63, 609-617.	0.9	20
24	Properties of strand boards with uniform and conventional vertical density profiles. Wood Science and Technology, 2009, 43, 559-574.	1.4	20
25	A generalized mat consolidation model for wood composites. Holzforschung, 2008, 62, 201-208.	0.9	12
26	Heat and mass transfer in wood composite panels during hot pressing: Part 3. Predicted variations and interactions of the pressing variables. Holzforschung, 2007, 61, 74-82.	0.9	9
27	Heat and mass transfer in wood composite panels during hot pressing: Part 4. Experimental investigation and model validation. Holzforschung, 2007, 61, 83-88.	0.9	14
28	On horizontal density variation in randomly-formed short-fibre wood composite boards. Composites Part A: Applied Science and Manufacturing, 1997, 28, 57-64.	3.8	12
29	Spatial structure of wood composites in relation to processing and performance characteristics. Wood Science and Technology, 1994, 28, 135.	1.4	24
30	Spatial structure of wood composites in relation to processing and performance characteristics. Wood Science and Technology, 1993, 28, 45.	1.4	18