Qi Chen

List of Publications by Year
in descending order

13	343	1163117 8	1125743 13
papers	citations	h-index	g-index

13	13	13	158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexural strength and ductility of moso bamboo. Construction and Building Materials, 2020, 246, 118418.	7.2	93
2	Mode I interlaminar fracture toughness behavior and mechanisms of bamboo. Materials and Design, 2019, 183, 108132.	7.0	55
3	The effect of graded fibrous structure of bamboo (Phyllostachys edulis) on its water vapor sorption isotherms. Industrial Crops and Products, 2020, 151, 112467.	5.2	39
4	Hygroscopic swelling of moso bamboo cells. Cellulose, 2020, 27, 611-620.	4.9	38
5	Observing bamboo dimensional change caused by humidity. Construction and Building Materials, 2021, 309, 124988.	7.2	32
6	Quantitative Visualization of Weak Layers in Bamboo at the Cellular and Subcellular Levels. ACS Applied Bio Materials, 2020, 3, 7087-7094.	4.6	27
7	In-situ investigation of deformation behaviors of moso bamboo cells pertaining to flexural ductility. Cellulose, 2020, 27, 9623-9635.	4.9	21
8	Water vapor sorption behavior of bamboo pertaining to its hierarchical structure. Scientific Reports, 2021, 11, 12714.	3.3	9
9	Modification of the Physical-mechanical Properties of Bamboo-plastic Composites with Bamboo Charcoal after Hydrothermal Aging. BioResources, 2017, 13, .	1.0	8
10	Different characteristics in the hygroscopicity of the graded hierarchical bamboo structure. Industrial Crops and Products, 2022, 176, 114333.	5.2	8
11	Bambooâ€™s tissue structure facilitates large bending deflections. Bioinspiration and Biomimetics, 2021, 16, 065005.	2.9	7
12	Inherent characteristics of the hygroscopicity of fiber and parenchyma of bamboo. Cellulose, 2022, 29, 4951-4959.	4.9	5
13	Effect of moisture content on bambooâ€™s mode I interlaminar fracture toughness: The competition between promoting and impeding crack growth. Construction and Building Materials, 2022, 341, 127822.	7.2	1