

# Qi Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6037656/publications.pdf>

Version: 2024-02-01

13  
papers

343  
citations

1163117

8  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

158  
citing authors

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