

Yu Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6873369/publications.pdf>

Version: 2024-02-01

10
papers

568
citations

1040056

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h-index

1372567

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g-index

10
all docs

10
docs citations

10
times ranked

548
citing authors

#	ARTICLE	IF	CITATIONS
1	Lightweight, strong, moldable wood via cell wall engineering as a sustainable structural material. <i>Science</i> , 2021, 374, 465-471.	12.6	137
2	Alignment of Cellulose Nanofibers: Harnessing Nanoscale Properties to Macroscale Benefits. <i>ACS Nano</i> , 2021, 15, 3646-3673.	14.6	108
3	Critical Role of Degree of Polymerization of Cellulose in Super-Strong Nanocellulose Films. <i>Matter</i> , 2020, 2, 1000-1014.	10.0	106
4	Approaching Theoretical Haze of Highly Transparent All-Cellulose Composite Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31998-32005.	8.0	59
5	Transparent and Hazy All-Cellulose Composite Films with Superior Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6974-6980.	6.7	50
6	Hardened wood as a renewable alternative to steel and plastic. <i>Matter</i> , 2021, 4, 3941-3952.	10.0	39
7	A study on the transmission haze and mechanical properties of highly transparent paper with different fiber species. <i>Cellulose</i> , 2018, 25, 2051-2061.	4.9	23
8	Protonation Process to Enhance the Water Resistance of Transparent and Hazy Paper. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12385-12392.	6.7	23
9	Strong Cellulose-Based Materials by Coupling Sodium Hydroxide-Anthraquinone (NaOH-AQ) Pulping with Hot Pressing from Wood. <i>ACS Omega</i> , 2019, 4, 7861-7865.	3.5	13
10	Favorable combination of foldability and toughness of transparent cellulose nanofibril films by a PET fiber-reinforced strategy. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3268-3274.	7.5	10