

# Jia Mao

## List of Publications by Year in descending order

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562  
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#	ARTICLE	IF	CITATIONS
1	A Review of the Surface Modification of Cellulose and Nanocellulose Using Aliphatic and Aromatic Mono- and Di-Isocyanates. <i>Molecules</i> , 2019, 24, 2782.	3.8	97
2	A Review on the Partial and Complete Dissolution and Fractionation of Wood and Lignocelluloses Using Imidazolium Ionic Liquids. <i>Polymers</i> , 2020, 12, 195.	4.5	82
3	Preparation of cellulose I nanowhiskers with a mildly acidic aqueous ionic liquid: reaction efficiency and whiskers attributes. <i>Cellulose</i> , 2013, 20, 1829-1840.	4.9	76
4	Cellulose nanocrystalsâ€™ production in near theoretical yields by 1-butyl-3-methylimidazolium hydrogen sulfate ([Bmim]HSO <sub>4</sub> ) mediated hydrolysis. <i>Carbohydrate Polymers</i> , 2015, 117, 443-451.	10.2	62
5	Imidazole, a New Tunable Reagent for Producing Nanocellulose, Part I: Xylan-Coated CNCs and CNFs. <i>Polymers</i> , 2017, 9, 473.	4.5	20
6	Impact of the Surface Properties of Cellulose Nanocrystals on the Crystallization Kinetics of Poly(Butylene Succinate). <i>Crystals</i> , 2020, 10, 196.	2.2	18
7	Swelling and hydrolysis kinetics of Kraft pulp fibers in aqueous 1-butyl-3-methylimidazolium hydrogen sulfate solutions. <i>Carbohydrate Polymers</i> , 2016, 153, 284-291.	10.2	15
8	Comparative Assessment of Methods for Producing Cellulose I Nanocrystals from Cellulosic Sources. <i>ACS Symposium Series</i> , 2017, , 19-53.	0.5	11
9	Monitoring the surface aging of wood through its pits using atomic force microscopy with functionalized tips. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125871.	4.7	10
10	A structural fibrillation parameter from small angle X-ray scattering to quantify pulp refining. <i>Cellulose</i> , 2019, 26, 4265-4277.	4.9	7
11	Effect of compression on the liquid absorption of Chinese fir wood with different heartwood-to-sapwood ratios. <i>Forestry Studies in China</i> , 2009, 11, 196-201.	0.4	3
12	Effect of compression on hydroscopicity of extracted Chinese fir heartwood. <i>Forestry Studies in China</i> , 2008, 10, 270-273.	0.4	1