

Yongchao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10171792/publications.pdf>

Version: 2024-02-01

11
papers

485
citations

933447

10
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast adsorption of heavy metal ions onto functionalized lignin-based hybrid magnetic nanoparticles. <i>Chemical Engineering Journal</i> , 2019, 372, 82-91.	12.7	176
2	Surface Engineered Biomimetic Inks Based on UV Cross-Linkable Wood Biopolymers for 3D Printing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12389-12400.	8.0	65
3	Revealing the structure of bamboo lignin obtained by formic acid delignification at different pressure levels. <i>Industrial Crops and Products</i> , 2017, 108, 864-871.	5.2	51
4	Structural changes of bamboo-derived lignin in an integrated process of autohydrolysis and formic acid inducing rapid delignification. <i>Industrial Crops and Products</i> , 2018, 115, 194-201.	5.2	50
5	From Biomass to Nanomaterials: A Green Procedure for Preparation of Holistic Bamboo Multifunctional Nanocomposites Based On Formic Acid Rapid Fractionation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6592-6600.	6.7	33
6	Valorization of Lignin-Carbohydrate Complexes from Hydrolysates of Norway Spruce: Efficient Separation, Structural Characterization, and Antioxidant Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1447-1456.	6.7	25
7	Starch-Based Composite Films with Enhanced Hydrophobicity, Thermal Stability, and UV-Shielding Efficacy Induced by Lignin Nanoparticles. <i>Biomacromolecules</i> , 2022, 23, 829-838.	5.4	23
8	One-Step Fractionation of the Main Components of Bamboo by Formic Acid-based Organosolv Process Under Pressure. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 170-182.	1.7	22
9	Glyoxal improved functionalization of starch with AZC enhances the hydrophobicity, strength and UV blocking capacities of co-crosslinked polymer. <i>European Polymer Journal</i> , 2019, 110, 385-393.	5.4	20
10	Color evolution of poplar wood chips and its response to lignin and extractives changes in autohydrolysis pretreatment. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 673-679.	7.5	15
11	Facile fractionation of bamboo hydrolysate and characterization of isolated lignin and lignin-carbohydrate complexes. <i>Holzforschung</i> , 2021, 75, 399-408.	1.9	5