Douyong Min

List of Publications by Year
in descending order

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34	696	471509	580821
papers	citations	17	25
		h-index	g-index

35	35	35	792
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nano silver decorating three-dimensional porous wood used as a catalyst for enhancing azo dyes hydrogenation in wastewater. Industrial Crops and Products, 2022, 175, 114268.	5.2	14
2	A smartphone-adaptable fluorescent sensing tag for non-contact and visual monitoring of the freshness of fish. Analyst, The, 2022, 147, 923-931.	3.5	21
3	A modified ionization difference UVâ€“vis method for fast quantitation of guaiacyl-type phenolic hydroxyl groups in lignin. International Journal of Biological Macromolecules, 2022, 201, 330-337.	7.5	8
4	Deciphering the linkage type and structural characteristics of the p-hydroxyphenyl unit in Pinus massoniana Lamb compressed wood lignin. International Journal of Biological Macromolecules, 2022, 208, 772-781.	7.5	5
5	High performance supercapacitors assembled with hierarchical porous carbonized wood electrode prepared through self-activation. Industrial Crops and Products, 2022, 181, 114802.	5.2	26
6	Flexible conductive hydrogel fabricated with polyvinyl alcohol, carboxymethyl chitosan, cellulose nanofibrils, and lignin-based carbon applied as strain and pressure sensor. International Journal of Biological Macromolecules, 2021, 166, 1526-1534.	7.5	51
7	In situ growth gold nanoparticles in three-dimensional sugarcane membrane for flow catalytical and antibacterial application. Journal of Hazardous Materials, 2021, 402, 123445.	12.4	36
8	Porous wood decorated with gold nanoparticles as flow-through membrane reactor for catalytic hydrogenation of methylene blue and 4-nitrophenol. Cellulose, 2021, 28, 7283-7294.	4.9	14
9	Catalytical and antibacterial sugarcane filter decorated with sliver nanoparticle for water treatment. Industrial Crops and Products, 2021, 164, 113392.	5.2	9
10	Anion Exchange membrane with High hydroxide ion conductivity and robust tensile strength fabricated from quaternary ammonia functionalized Pinus contorta, Dougl. Chip. Industrial Crops and Products, 2021, 166, 113458.	5.2	7
11	Involvement of CesA4, CesA7-A/B and CesA8-A/B in secondary wall formation in Populus trichocarpa wood. Tree Physiology, 2020, 40, 73-89.	3.1	30
12	Comparing impacts of physicochemical properties and hydrolytic inhibitors on enzymatic hydrolysis of sugarcane bagasse. Bioprocess and Biosystems Engineering, 2020, 43, 111-122.	3.4	8
13	Enhancing isolation of p-coumaric and ferulic acids from sugarcane bagasse by sequential hydrolysis. Chemical Papers, 2020, 74, 499-507.	2.2	14
14	Highly sensitive and rapid responsive fluorescence probe for determination of formaldehyde in seafood and in vivo imaging application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117789.	3.9	31
15	Lignin-based carbon solid acid catalyst prepared for selectively converting fructose to 5-hydroxymethylfurfural. Industrial Crops and Products, 2020, 145, 111920.	5.2	43
16	Comparison of nonproductive adsorption of cellulase onto lignin isolated from pretreated lignocellulose. Cellulose, 2020, 27, 7911-7927.	4.9	23
17	Fabricating Flexibly Resistive Humidity Sensors with Ultraâ€high Sensitivity Using Carbonized Lignin and Sodium Alginate. Electroanalysis, 2020, 32, 2282-2289.	2.9	12
18	Improving the Reactivity of Sugarcane Bagasse Kraft Lignin by a Combination of Fractionation and Phenolation for Phenolâ€“Formaldehyde Adhesive Applications. Polymers, 2020, 12, 1825.	4.5	20

#	Article	IF	Citations
19	Kinetics of the reaction between a lignin model compound and chlorine dioxide. Chemical Engineering Journal, 2020, 393, 124783.	12.7	10
20	Impact of bagasse lignin-carbohydrate complexes structural changes on cellulase adsorption behavior. International Journal of Biological Macromolecules, 2020, 162, 236-245.	7.5	23
21	Nano MnO2 Radially Grown on Lignin-Based Carbon Fiber by One-Step Solution Reaction for Supercapacitors with High Performance. Nanomaterials, 2020, 10, 594.	4.1	17
22	Multicolor Colorimetric Sensor for Detection of Omethoate Based on the Inhibition of the Enzyme-Induced Metallization of Gold Nanorods. ACS Applied Nano Materials, 2020, 3, 5212-5219.	5.0	40
23	The Changing Structure of Residual Lignin in the Unbleached Bagasse Pulp During Chlorine Dioxide Delignification. Journal of Biobased Materials and Bioenergy, 2020, 14, 20-28.	0.3	3
24	Solar light induced synthesis of silver nanoparticles by using lignin as a reductant, and their application to ultrasensitive spectrophotometric determination of mercury(II). Mikrochimica Acta, 2019, 186, 727.	5.0	29
25	How Pseudo-lignin Is Generated during Dilute Sulfuric Acid Pretreatment. Journal of Agricultural and Food Chemistry, 2019, 67, 10116-10125.	5.2	44
26	Fe3O4Nanoparticles Loaded on Lignin Nanoparticles Applied as a Peroxidase Mimic for the Sensitively Colorimetric Detection of H2O2. Nanomaterials, 2019, 9, 210.	4.1	34
27	Effect of ionic liquid pretreatment on paper physical property and pulp refining performance. Nordic Pulp and Paper Research Journal, 2019, 34, 495-506.	0.7	2
28	Fabrication of Lignin-Based Nano Carbon Film-Copper Foil Composite with Enhanced Thermal Conductivity. Nanomaterials, 2019, 9, 1681.	4.1	8
29	Combination of hydrothermal pretreatment and sodium hydroxide post-treatment applied on wheat straw for enhancing its enzymatic hydrolysis. Cellulose, 2018, 25, 1197-1206.	4.9	19
30	Improving the homogeneity of sugarcane bagasse kraft lignin through sequential solvents. RSC Advances, 2018, 8, 42269-42279.	3.6	11
31	Effects of Hydrothermal Pretreatment on the Structural Characteristics of Organosolv Lignin from Triarrhena lutarioriparia. Polymers, 2018, 10, 1157.	4.5	19
32	The elucidation of the lignin structure effect on the cellulase-mediated saccharification by genetic engineering poplars (Populus nigra L.ÂÃ—ÂPopulus maximowiczii A.). Biomass and Bioenergy, 2013, 58, 52-57.	5.7	35
33	Comparison of pretreatment protocols for cellulase-mediated saccharification of wood derived from transgenic low-xylan lines of cottonwood (P. trichocarpa). Biomass and Bioenergy, 2011, 35, 3514-3521.	5.7	26
34	Elucidating adsorption behavior of cellulase on lignin through isolated lignin and model compounds. Wood Science and Technology, 0, , 1.	3.2	4