

# Douyong Min

## List of Publications by Year in descending order

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34  
papers

696  
citations

471509

17  
h-index

580821

25  
g-index

35  
all docs

35  
docs citations

35  
times ranked

792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible conductive hydrogel fabricated with polyvinyl alcohol, carboxymethyl chitosan, cellulose nanofibrils, and lignin-based carbon applied as strain and pressure sensor. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1526-1534.	7.5	51
2	How Pseudo-lignin Is Generated during Dilute Sulfuric Acid Pretreatment. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 10116-10125.	5.2	44
3	Lignin-based carbon solid acid catalyst prepared for selectively converting fructose to 5-hydroxymethylfurfural. <i>Industrial Crops and Products</i> , 2020, 145, 111920.	5.2	43
4	Multicolor Colorimetric Sensor for Detection of Omethoate Based on the Inhibition of the Enzyme-Induced Metallization of Gold Nanorods. <i>ACS Applied Nano Materials</i> , 2020, 3, 5212-5219.	5.0	40
5	In situ growth gold nanoparticles in three-dimensional sugarcane membrane for flow catalytical and antibacterial application. <i>Journal of Hazardous Materials</i> , 2021, 402, 123445.	12.4	36
6	The elucidation of the lignin structure effect on the cellulase-mediated saccharification by genetic engineering poplars ( <i>Populus nigra</i> L. – <i>Populus maximowiczii</i> A.). <i>Biomass and Bioenergy</i> , 2013, 58, 52-57.	5.7	35
7	Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Loaded on Lignin Nanoparticles Applied as a Peroxidase Mimic for the Sensitively Colorimetric Detection of H <sub>2</sub> O <sub>2</sub> . <i>Nanomaterials</i> , 2019, 9, 210.	4.1	34
8	Highly sensitive and rapid responsive fluorescence probe for determination of formaldehyde in seafood and in vivo imaging application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117789.	3.9	31
9	Involvement of Cesa4, Cesa7-A/B and Cesa8-A/B in secondary wall formation in <i>Populus trichocarpa</i> wood. <i>Tree Physiology</i> , 2020, 40, 73-89.	3.1	30
10	Solar light induced synthesis of silver nanoparticles by using lignin as a reductant, and their application to ultrasensitive spectrophotometric determination of mercury(II). <i>Mikrochimica Acta</i> , 2019, 186, 727.	5.0	29
11	Comparison of pretreatment protocols for cellulase-mediated saccharification of wood derived from transgenic low-xylan lines of cottonwood ( <i>P. trichocarpa</i> ). <i>Biomass and Bioenergy</i> , 2011, 35, 3514-3521.	5.7	26
12	High performance supercapacitors assembled with hierarchical porous carbonized wood electrode prepared through self-activation. <i>Industrial Crops and Products</i> , 2022, 181, 114802.	5.2	26
13	Comparison of nonproductive adsorption of cellulase onto lignin isolated from pretreated lignocellulose. <i>Cellulose</i> , 2020, 27, 7911-7927.	4.9	23
14	Impact of bagasse lignin-carbohydrate complexes structural changes on cellulase adsorption behavior. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 236-245.	7.5	23
15	A smartphone-adaptable fluorescent sensing tag for non-contact and visual monitoring of the freshness of fish. <i>Analyst, The</i> , 2022, 147, 923-931.	3.5	21
16	Improving the Reactivity of Sugarcane Bagasse Kraft Lignin by a Combination of Fractionation and Phenolation for Phenol-Formaldehyde Adhesive Applications. <i>Polymers</i> , 2020, 12, 1825.	4.5	20
17	Combination of hydrothermal pretreatment and sodium hydroxide post-treatment applied on wheat straw for enhancing its enzymatic hydrolysis. <i>Cellulose</i> , 2018, 25, 1197-1206.	4.9	19
18	Effects of Hydrothermal Pretreatment on the Structural Characteristics of Organosolv Lignin from <i>Triarrhena lutarioriparia</i> . <i>Polymers</i> , 2018, 10, 1157.	4.5	19

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19	Nano MnO <sub>2</sub> Radially Grown on Lignin-Based Carbon Fiber by One-Step Solution Reaction for Supercapacitors with High Performance. <i>Nanomaterials</i> , 2020, 10, 594.	4.1	17
20	Enhancing isolation of p-coumaric and ferulic acids from sugarcane bagasse by sequential hydrolysis. <i>Chemical Papers</i> , 2020, 74, 499-507.	2.2	14
21	Porous wood decorated with gold nanoparticles as flow-through membrane reactor for catalytic hydrogenation of methylene blue and 4-nitrophenol. <i>Cellulose</i> , 2021, 28, 7283-7294.	4.9	14
22	Nano silver decorating three-dimensional porous wood used as a catalyst for enhancing azo dyes hydrogenation in wastewater. <i>Industrial Crops and Products</i> , 2022, 175, 114268.	5.2	14
23	Fabricating Flexibly Resistive Humidity Sensors with Ultra-High Sensitivity Using Carbonized Lignin and Sodium Alginate. <i>Electroanalysis</i> , 2020, 32, 2282-2289.	2.9	12
24	Improving the homogeneity of sugarcane bagasse kraft lignin through sequential solvents. <i>RSC Advances</i> , 2018, 8, 42269-42279.	3.6	11
25	Kinetics of the reaction between a lignin model compound and chlorine dioxide. <i>Chemical Engineering Journal</i> , 2020, 393, 124783.	12.7	10
26	Catalytical and antibacterial sugarcane filter decorated with silver nanoparticle for water treatment. <i>Industrial Crops and Products</i> , 2021, 164, 113392.	5.2	9
27	Fabrication of Lignin-Based Nano Carbon Film-Copper Foil Composite with Enhanced Thermal Conductivity. <i>Nanomaterials</i> , 2019, 9, 1681.	4.1	8
28	Comparing impacts of physicochemical properties and hydrolytic inhibitors on enzymatic hydrolysis of sugarcane bagasse. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 111-122.	3.4	8
29	A modified ionization difference UV-vis method for fast quantitation of guaiacyl-type phenolic hydroxyl groups in lignin. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 330-337.	7.5	8
30	Anion Exchange membrane with High hydroxide ion conductivity and robust tensile strength fabricated from quaternary ammonia functionalized <i>Pinus contorta</i> , Dougl. Chip. <i>Industrial Crops and Products</i> , 2021, 166, 113458.	5.2	7
31	Deciphering the linkage type and structural characteristics of the p-hydroxyphenyl unit in <i>Pinus massoniana</i> Lamb compressed wood lignin. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 772-781.	7.5	5
32	Elucidating adsorption behavior of cellulase on lignin through isolated lignin and model compounds. <i>Wood Science and Technology</i> , 0, , 1.	3.2	4
33	The Changing Structure of Residual Lignin in the Unbleached Bagasse Pulp During Chlorine Dioxide Delignification. <i>Journal of Biobased Materials and Bioenergy</i> , 2020, 14, 20-28.	0.3	3
34	Effect of ionic liquid pretreatment on paper physical property and pulp refining performance. <i>Nordic Pulp and Paper Research Journal</i> , 2019, 34, 495-506.	0.7	2