

Jikai Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

386
citations

932766
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324
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of particle size on biomass pretreatment and hydrolysis performances in bioethanol conversion. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 13023-13036.	2.9	4
2	Experimental and Technoeconomic Assessment of Monosaccharide and Furan Production under High Biomass Loading without Solid-Liquid Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1972-1982.	3.2	7
3	Comparative evaluation of physicochemical and fermentative responses of three sorghum varieties from dryland and irrigated land and the properties of proteins from distillers' grains. <i>Journal of Cereal Science</i> , 2022, 104, 103432.	1.8	2
4	Production of distilled spirits using grain sorghum through liquid fermentation. <i>Journal of Agriculture and Food Research</i> , 2022, 9, 100314.	1.2	5
5	An integrated deep eutectic solvent-ionic liquid-metal catalyst system for lignin and 5-hydroxymethylfurfural production from lignocellulosic biomass: Technoeconomic analysis. <i>Bioresource Technology</i> , 2022, 356, 127277.	4.8	18
6	Hempseed as a nutritious and healthy human food or animal feed source: a review. <i>International Journal of Food Science and Technology</i> , 2021, 56, 530-543.	1.3	41
7	Effect of genotype on the physicochemical, nutritional, and antioxidant properties of hempseed. <i>Journal of Agriculture and Food Research</i> , 2021, 3, 100119.	1.2	2
8	Potential of Wheat Milling Byproducts to Produce Fermentable Sugars via Mild Ethanol-Alkaline Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3626-3632.	3.2	7
9	Characterization of Four Chinese Bread Wheat Varieties over Five Years. <i>ACS Food Science & Technology</i> , 2021, 1, 770-777.	1.3	0
10	Proteins in dried distillers' grains with solubles: A review of animal feed value and potential non-food uses. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2021, 98, 957-968.	0.8	5
11	Universal Peptide Hydrogel for Scalable Physiological Formation and Bioprinting of 3D Spheroids from Human Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2104046.	7.8	13
12	Technoeconomic Analysis of Multiple-Stream Ethanol and Lignin Production from Lignocellulosic Biomass: Insights into the Chemical Selection and Process Integration. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13640-13652.	3.2	18
13	Minimizing water consumption for sugar and lignin recovery via the integration of acid and alkali pretreated biomass and their mixed filtrate without post-washing. <i>Bioresource Technology</i> , 2021, 337, 125389.	4.8	16
14	Effects of post-washing on pretreated biomass and hydrolysis of the mixture of acetic acid and sodium hydroxide pretreated biomass and their mixed filtrate. <i>Bioresource Technology</i> , 2021, 339, 125605.	4.8	14
15	Lignin, sugar, and furan production of industrial hemp biomass via an integrated process. <i>Industrial Crops and Products</i> , 2021, 172, 114049.	2.5	9
16	Two Nonnegligible Factors Influencing Lignocellulosic Biomass Valorization: Filtration Method after Pretreatment and Solid Loading during Enzymatic Hydrolysis. <i>Energy & Fuels</i> , 2021, 35, 1546-1556.	2.5	12
17	High Ethanol Concentration (77 g/L) of Industrial Hemp Biomass Achieved Through Optimizing the Relationship between Ethanol Yield/Concentration and Solid Loading. <i>ACS Omega</i> , 2020, 5, 21913-21921.	1.6	23
18	Bioconversion of industrial hemp biomass for bioethanol production: A review. <i>Fuel</i> , 2020, 281, 118725.	3.4	77

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19	Integrating bran starch hydrolysates with alkaline pretreated soft wheat bran to boost sugar concentration. <i>Bioresource Technology</i> , 2020, 302, 122826.	4.8	28
20	Conversion of liquid hot water, acid and alkali pretreated industrial hemp biomasses to bioethanol. <i>Bioresource Technology</i> , 2020, 309, 123383.	4.8	63
21	Production of biscuits by substitution with different ratios of yellow pea flour. <i>Grain & Oil Science and Technology</i> , 2019, 2, 91-96.	2.0	18
22	DON reduction of wheat grain without compromising the lab-scale milling properties of flour. <i>Grain & Oil Science and Technology</i> , 2019, 2, 62-66.	2.0	4