Chun Chang

List of Publications by Year
in descending order

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Version: 2024-02-01

45	1,143	430874	395702
papers	citations	18 h-index	33 g-index

45	45	45	1073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Levulinic acid production from wheat straw. Bioresource Technology, 2007, 98, 1448-1453.	9.6	228
2	Production of ethyl levulinate by direct conversion of wheat straw in ethanol media. Bioresource Technology, 2012, 121, 93-99.	9.6	133
3	Thermal decomposition and kinetics of coal and fermented cornstalk using thermogravimetric analysis. Bioresource Technology, 2018, 259, 294-303.	9.6	79
4	One-pot production of a liquid biofuel candidateâ€"Ethyl levulinate from glucose and furfural residues using a combination of extremely low sulfuric acid and zeolite USY. Fuel, 2015, 140, 365-370.	6.4	62
5	Efficient one-pot synthesis of n-butyl levulinate from carbohydrates catalyzed by Fe 2 (SO 4) 3. Journal of Energy Chemistry, 2017, 26, 556-563.	12.9	52
6	Enhanced removal of nitrate and refractory organic pollutants from bio-treated coking wastewater using corncobs as carbon sources and biofilm carriers. Chemosphere, 2019, 237, 124520.	8.2	52
7	Direct Conversion of Carbohydrates into Ethyl Levulinate with Potassium Phosphotungstate as an Efficient Catalyst. Catalysts, 2015, 5, 1897-1910.	3.5	49
8	Efficient conversion of corn stover into 5-ethoxymethylfurfural catalyzed by zeolite USY in ethanol/THF medium. Industrial Crops and Products, 2019, 129, 503-511.	5.2	41
9	Direct Production of Ethyl Levulinate from Carbohydrates Catalyzed by H-ZSM-5 Supported Phosphotungstic Acid. BioResources, 2015, 10, .	1.0	31
10	Preparation of flame retardant polyurethane foam from crude glycerol based liquefaction of wheat straw. Industrial Crops and Products, 2021, 160, 113098.	5.2	30
11	Cellulose reactivity in ethanol at elevate temperature and the kinetics of one-pot preparation of ethyl levulinate from cellulose. Renewable Energy, 2015, 78, 583-589.	8.9	29
12	A comparative study on direct production of ethyl levulinate from glucose in ethanol media catalysed by different acid catalysts. Chemical Papers, 2013, 67, .	2.2	28
13	Efficient conversion of wheat straw into methyl levulinate catalyzed by cheap metal sulfate in a biorefinery concept. Industrial Crops and Products, 2018, 117, 197-204.	5.2	28
14	Kinetics of Glucose Ethanolysis Catalyzed by Extremely Low Sulfuric Acid in Ethanol Medium. Chinese Journal of Chemical Engineering, 2014, 22, 238-242.	3.5	26
15	Corncob-derived activated carbon for roxarsone removal from aqueous solution: isotherms, kinetics, and mechanism. Environmental Science and Pollution Research, 2020, 27, 15785-15797.	5.3	25
16	Metal sulfates-catalyzed butanolysis of cellulose: butyl levulinate production and optimization. Cellulose, 2017, 24, 5403-5415.	4.9	24
17	Efficient One-Pot Production of Biofuel 5-Ethoxymethylfurfural from Corn Stover: Optimization and Kinetics. Energy & Fuels, 2019, 33, 4310-4321.	5.1	24
18	Thermal, Mechanical, and Morphological Properties of Rigid Crude Glycerolâ€Based Polyurethane Foams Reinforced With Nanoclay and Microcrystalline Cellulose. European Journal of Lipid Science and Technology, 2018, 120, 1700413.	1.5	23

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19	Enhancement of methane production by anaerobic digestion of corn straw with hydrogen-nanobubble water. Bioresource Technology, 2022, 344, 126220.	9.6	22
20	Efficient Catalytic Conversion of Waste Peanut Shells into Liquid Biofuel: An Artificial Intelligence Approach. Energy & Fuels, 2020, 34, 1791-1801.	5.1	18
21	Efficient Synthesis of Biobased Glycerol Levulinate Ketal and Its Application for Rigid Polyurethane Foam Production. Industrial & Engineering Chemistry Research, 2020, 59, 17520-17528.	3.7	17
22	Experimental and theoretical studies on glucose conversion in ethanol solution to 5-ethoxymethylfurfural and ethyl levulinate catalyzed by a BrÃ¸nsted acid. Physical Chemistry Chemical Physics, 2021, 23, 19729-19739.	2.8	14
23	Mutants of Scenedesmus sp. for purifying highly concentrated cellulosic ethanol wastewater and producing biomass simultaneously. Journal of Applied Phycology, 2018, 30, 969-978.	2.8	13
24	Enhanced production of levulinic acid/ester from furfural residue via pretreatment and two-stage alcoholysis. Biomass Conversion and Biorefinery, 2023, 13, 2933-2946.	4.6	10
25	Phase Equilibria of CO₂ Hydrate Formation in Glucoamylase Aqueous Solutions. Journal of Chemical & Engineering Data, 2016, 61, 891-895.	1.9	9
26	Kinetics Investigation of Hydrate-Based CO₂ Capture from Simulated Flue Gas by Using an Improved Combinatorial Promoter. Energy & Fuels, 2018, 32, 10822-10829.	5.1	7
27	Aluminum chlorideâ€catalyzed conversion of levulinic acid to methyl levulinate: optimization and kinetics. Journal of Chemical Technology and Biotechnology, 2020, 95, 2251-2260.	3.2	7
28	Effect of combined addition amount of nano zero-valent iron and biochar on methane production by anaerobic digestion of corn straw. Environment, Development and Sustainability, 2022, 24, 4709-4726.	5.0	7
29	One-pot efficient conversion of glucose into biofuel 5-ethoxymethylfurfural catalyzed by zeolite solid catalyst. Biomass Conversion and Biorefinery, 2023, 13, 8927-8938.	4.6	6
30	Exergy analysis and optimization of bio-methane production from corn stalk pretreated by compound bacteria based on genetic algorithm. Bioresource Technology, 2022, 346, 126413.	9.6	6
31	The Integrated Process of Microbial Ensiling and Hot-Washing Pretreatment of Dry Corn Stover for Ethanol Production. Waste and Biomass Valorization, 2018, 9, 2031-2040.	3.4	5
32	Optimized Preparation of High Value-Added Activated Carbon and Its Adsorption Properties for Methylene Blue. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	5
33	Effects of Bi3+ co-doping on structure and luminescence of SrZn2(PO4)2-based phosphor. Journal of Materials Science: Materials in Electronics, 2020, 31, 10072-10077.	2.2	5
34	Cultivation of Chlorella mutant in cellulosic ethanol wastewater using a static mixing airlift photoâ€bioreactor for simultaneous wastewater treatment. Environmental Progress and Sustainable Energy, 2017, 36, 1274-1281.	2.3	4
35	Effects of Metal-modified ZSM-5 Catalysts on Product Characteristics Based on the Py-GC/MS of Peanut Shells. Industrial & Engineering Chemistry Research, 2020, 59, 17307-17314.	3.7	4
36	Enhancement on enzymolysis of pigskin with ultrasonic assistance. Bioengineered, 2020, 11, 397-407.	3.2	4

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37	Optimization of basic magenta adsorption onto Fe/Cu nanocomposites synthesized by sweet potato leaf extract using response surface methodology. Korean Journal of Chemical Engineering, 2021, 38, 1556-1565.	2.7	4
38	Characterization and optimization of hydrothermal extraction of quercetin from <scp>Quercus</scp> leaves using response surface methodology. Canadian Journal of Chemical Engineering, 2022, 100, 598-606.	1.7	3
39	Oneâ€pot conversion of wheat straw into biobased chemicals in methanol/water medium using cheap mixed acid catalyst. Journal of the Science of Food and Agriculture, 2022, 102, 2826-2834.	3.5	3
40	Salt sealing induced in situ N-doped porous carbon derived from wheat bran for the removal of doxycycline from aqueous solution. Environmental Science and Pollution Research, 2022, 29, 49346-49360.	5.3	2
41	Optimized preparation of activated carbon from furfural residue using response surface methodology and its application for bisphenol S adsorption. Water Science and Technology, 2022, 85, 811-826.	2.5	2
42	Bisphenol S adsorption with activated carbon prepared from corncob: optimization using response surface methodology. International Journal of Chemical Reactor Engineering, 2020, 18, .	1.1	1
43	Dynamics investigation on methane hydrate formation process with combined promotion methods. International Journal of Chemical Reactor Engineering, 2022, 20, 373-384.	1.1	1
44	Thermal-structural Coupling and Fatigue Analysis on the Steam Explosion Equipment Based on ANSYS Workbench. , 2015, , .		0
45	Response surface optimization of extraction of rutin and quercetin from Cyclobalanopsis leaves by hydrothermal treatment catalyzed by ethanol-acetic acid. Biomass Conversion and Biorefinery, 0, , 1.	4.6	0