

Fei Cao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

583
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydration of cellulose to levoglucosenone using polar aprotic solvents. Energy and Environmental Science, 2015, 8, 1808-1815.	30.8	167
2	Selective Conversion of Cellulose to Hydroxymethylfurfural in Polar Aprotic Solvents. ChemCatChem, 2014, 6, 2229-2234.	3.7	110
3	Chemosynthesis and characterization of fully biomass-based copolymers of ethylene glycol, 2,5-furandicarboxylic acid, and succinic acid. Journal of Applied Polymer Science, 2013, 130, 1415-1420.	2.6	49
4	Synthesis and degradability of copolyesters of 2, 5-furandicarboxylic acid, lactic acid, and ethylene glycol. Polymer Degradation and Stability, 2015, 121, 100-104.	5.8	35
5	Evaluating effects of biobased 2,5-furandicarboxylate esters as plasticizers on the thermal and mechanical properties of poly (vinyl chloride). Journal of Applied Polymer Science, 2014, 131, .	2.6	29
6	Tagatose manufacture through bio-oxidation of galactitol derived from waste xylose mother liquor. Green Chemistry, 2018, 20, 2382-2391.	9.0	25
7	Designing anti-migration furan-based plasticizers and their plasticization properties in poly (vinyl chloride). Journal of Applied Polymer Science, 2018, 143, 4814-4824.	4.8	24
8	Synthesis, Characterization and Thermal Properties of Bio-Based Poly(Ethylene 2,5-Furan). Journal of Applied Polymer Science, 2018, 143, 4621-4632.	1.0	22
9	CaCl ₂ molten salt hydrate-promoted conversion of carbohydrates to 5-hydroxymethylfurfural: an experimental and theoretical study. Green Chemistry, 2021, 23, 2058-2068.	9.0	19
10	Co-production of HMF and gluconic acid from sucrose by chemo-enzymatic method. Chemical Engineering Journal, 2017, 327, 228-234.	12.7	16
11	Preparation of 5-Hydroxymethylfurfural from High Fructose Corn Syrup Using Organic Weak Acid in Situ as Catalyst. Industrial & Engineering Chemistry Research, 2020, 59, 4358-4366.	3.7	15
12	Hydrolysis of Corn cob Hemicellulose by Solid Acid Sulfated Zirconia and Its Evaluation in Xylitol Production. Applied Biochemistry and Biotechnology, 2021, 193, 205-217.	2.9	15
13	Synthesis and characterization of highly soluble wholly aromatic polyamides containing both furanyl and phenyl units. Journal of Polymer Science, 2020, 58, 2140-2150.	3.8	13
14	Preparation of High Purity Lactide Using a High-Boiling-Point Alcohol Immobilization Method. Industrial & Engineering Chemistry Research, 2018, 57, 7711-7716.	3.7	10
15	Preparation of 3-acetyl-5-acetylfuran from N-acetylglucosamine and chitin using biobased deep eutectic solvents as catalysts. Reaction Chemistry and Engineering, 2022, 7, 1742-1749.	3.7	10
16	Dehydration of saccharides to anhydro-sugars in dioxane: effect of reactants, acidic strength and water removal in situ. Cellulose, 2020, 27, 9825-9838.	4.9	6
17	Enzymatic hydroxylation of L-pipecolic acid by L-proline cis-4-hydroxylases and isomers separation. Biotechnology Letters, 2020, 42, 2607-2617.	2.2	5
18	Identification, Heterologous Expression and Characterization of a Transaminase from Rhizobium sp.. Catalysis Letters, 2020, 150, 2415-2426.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Dissolution behavior of arabinoxylan from sugarcane bagasse in tetrabutylammonium hydroxide aqueous solution. Carbohydrate Polymers, 2022, 282, 119037.	10.2	4
20	Conversion of <i>N</i> -Acetyl-D-glucosamine into 3-Acetamido-5-acetylfuran Using Cheap Ammonium Chloride as Catalyst. ChemistrySelect, 2022, 7, .	1.5	3
21	Application of sugar-containing biomass: one-step synthesis of 2-furylglyoxylic acid and its derivatives from a vitamin C precursor. Green Chemistry, 2022, 24, 2000-2009.	9.0	2