

Chao Huang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

440
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Cu/Fe ratio on structure and performance of attapulgite supported CuFeCo-based catalyst for mixed alcohols synthesis from syngas. <i>Applied Catalysis A: General</i> , 2015, 503, 51-61.	4.3	63
2	Stepwise enzymatic hydrolysis of alkaline oxidation treated sugarcane bagasse for the co-production of functional xylo-oligosaccharides and fermentable sugars. <i>Bioresource Technology</i> , 2019, 275, 345-351.	9.6	49
3	Adsorption behavior of levulinic acid onto microporous hyper-cross-linked polymers in aqueous solution: Equilibrium, thermodynamic, kinetic simulation and fixed-bed column studies. <i>Chemosphere</i> , 2017, 171, 231-239.	8.2	47
4	Equilibrium, kinetic and thermodynamic studies of acid soluble lignin adsorption from rice straw hydrolysate by a self-synthesized macro/mesoporous resin. <i>RSC Advances</i> , 2017, 7, 23896-23906.	3.6	30
5	Conversion of levulinic acid to valuable chemicals: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3009-3024.	3.2	29
6	Utilization of Corn cob Acid Hydrolysate for Bacterial Cellulose Production by <i>Gluconacetobacter xylinus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 1678-1688.	2.9	28
7	Study on non-isothermal crystallization behavior of isotactic polypropylene/bacterial cellulose composites. <i>RSC Advances</i> , 2017, 7, 42113-42122.	3.6	28
8	Preparation of Esterified Bacterial Cellulose for Improved Mechanical Properties and the Microstructure of Isotactic Polypropylene/Bacterial Cellulose Composites. <i>Polymers</i> , 2016, 8, 129.	4.5	26
9	Efficient Catalytic Hydrogenation of Butyl Levulinate to $\hat{1}^3$ -Valerolactone over a Stable and Magnetic CuNiCoB Amorphous Alloy Catalyst. <i>Energy & Fuels</i> , 2018, 32, 5527-5535.	5.1	20
10	The hydrolytic efficiency and synergistic action of recombinant xylan-degrading enzymes on xylan isolated from sugarcane bagasse. <i>Carbohydrate Polymers</i> , 2017, 175, 199-206.	10.2	19
11	Controllable Synthesis of Styrene-divinylbenzene Adsorption Resins and the Effect of Textural Properties on Removal Performance of Fermentation Inhibitors from Rice Straw Hydrolysate. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5119-5127.	3.7	19
12	Comparison of different pretreatments on the synergistic effect of cellulase and xylanase during the enzymatic hydrolysis of sugarcane bagasse. <i>RSC Advances</i> , 2018, 8, 30725-30731.	3.6	18
13	Mechanistic insights into the effect of imidazolium ionic liquid on lipid production by <i>Geotrichum fermentans</i> . <i>Biotechnology for Biofuels</i> , 2016, 9, 266.	6.2	14
14	Isothermal Crystallization and Rheology Properties of Isotactic Polypropylene/Bacterial Cellulose Composite. <i>Polymers</i> , 2018, 10, 1284.	4.5	14
15	Controllable synthesis of monoacrylate-modified adsorption resins and enhancing adsorption toward fermentation inhibitors from rice straw hydrolysate. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2652-2658.	3.2	12
16	Effective Recovery of Au from Low-Concentration Solutions by a Self-Synthesized Mesoporous Resin Modified by Dimethylamine. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2894-2903.	3.7	11
17	Preparation of Polar-Modified Styrene-Divinylbenzene Copolymer and Its Adsorption Performance for Comprehensive Utilization of Sugarcane Bagasse Dilute-Acid Hydrolysate. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 423-436.	2.9	5
18	Improvement on the catalytic performances of butyl levulinate hydrogenation to $\hat{1}^3$ -valerolactone over self-regenerated CuNiCoB/Palygorskite catalyst. <i>Molecular Catalysis</i> , 2021, 504, 111483.	2.0	4

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19	Promotion effect of iron addition on the structure and CO ₂ hydrogenation performance of Attapulgite/Ce _{0.75} Zr _{0.25} O ₂ nanocomposite supported Cu-ZnO based catalyst. <i>Molecular Catalysis</i> , 2021, 513, 111820.	2.0	2
20	Selective hydrogenation of butyl levulinate to $\hat{\text{I}}^3$ -valerolactone over sulfonated activated carbon-supported SnRuB bifunctional catalysts. <i>New Journal of Chemistry</i> , 2022, 46, 1381-1391.	2.8	2