

Zhu Chen

List of Publications by Year in descending order

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20
papers

1,366
citations

566801

15
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

1385
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemicellulose degradation: An overlooked issue in acidic deep eutectic solvents pretreatment of lignocellulosic biomass. <i>Industrial Crops and Products</i> , 2022, 187, 115335.	2.5	48
2	Microbial Conversion of Lignin-Based Compounds into Carotenoids by Rhodococci. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 3442-3453.	1.4	5
3	Efficient biosynthesis of lipids from concentrated biomass hydrolysates by an oleaginous yeast. <i>Bioresource Technology Reports</i> , 2021, 15, 100712.	1.5	2
4	Co-valorization of paper mill sludge and corn steep liquor for enhanced n-butanol production with <i>Clostridium tyrobutyricum</i> Δ cat1::adhE2. <i>Bioresource Technology</i> , 2020, 296, 122347.	4.8	25
5	Nano on micro: tuning microbial metabolisms by nano-based artificial mediators to enhance and expand production of biochemicals. <i>Current Opinion in Biotechnology</i> , 2020, 64, 161-168.	3.3	11
6	Insights into Structural Changes of Lignin toward Tailored Properties during Deep Eutectic Solvent Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9783-9793.	3.2	72
7	Lignin extraction and upgrading using deep eutectic solvents. <i>Industrial Crops and Products</i> , 2020, 147, 112241.	2.5	159
8	Bioaldehydes and beyond: Expanding the realm of bioderived chemicals using biogenic aldehydes as platforms. <i>Current Opinion in Chemical Biology</i> , 2020, 59, 37-46.	2.8	10
9	One-pot selective conversion of lignocellulosic biomass into furfural and co-products using aqueous choline chloride/methyl isobutyl ketone biphasic solvent system. <i>Bioresource Technology</i> , 2019, 289, 121708.	4.8	45
10	Effects of alkaline hydrogen peroxide treatment on cellulose accessibility of switchgrass pretreated by acidic deep eutectic solvent. <i>Cellulose</i> , 2019, 26, 9439-9446.	2.4	17
11	Ternary deep eutectic solvents for effective biomass deconstruction at high solids and low enzyme loadings. <i>Bioresource Technology</i> , 2019, 279, 281-286.	4.8	94
12	Deep eutectic solvent pretreatment enabling full utilization of switchgrass. <i>Bioresource Technology</i> , 2018, 263, 40-48.	4.8	141
13	Aqueous Choline Chloride: A Novel Solvent for Switchgrass Fractionation and Subsequent Hemicellulose Conversion into Furfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6910-6919.	3.2	56
14	Ultrafast fractionation of lignocellulosic biomass by microwave-assisted deep eutectic solvent pretreatment. <i>Bioresource Technology</i> , 2018, 250, 532-537.	4.8	227
15	High-Solid Lignocellulose Processing Enabled by Natural Deep Eutectic Solvent for Lignin Extraction and Industrially Relevant Production of Renewable Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12205-12216.	3.2	137
16	Biological valorization strategies for converting lignin into fuels and chemicals. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 610-621.	8.2	206
17	Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by <i>Rhodococcus jostii</i> RHA1. <i>Process Biochemistry</i> , 2017, 57, 159-166.	1.8	15
18	Non-sterile fermentations for the economical biochemical conversion of renewable feedstocks. <i>Biotechnology Letters</i> , 2017, 39, 1765-1777.	1.1	29

#	ARTICLE	IF	CITATIONS
19	Effects of Salts Contained in Lignocellulose-Derived Sugar Streams on Microbial Lipid Production. Applied Biochemistry and Biotechnology, 2017, 183, 1362-1374.	1.4	7
20	Reducing biomass recalcitrance via mild sodium carbonate pretreatment. Bioresource Technology, 2016, 209, 386-390.	4.8	60