# Zhu Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2276701/publications.pdf

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| 20 | 1,366 | 566801 15 | 752256 20 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 20 | 20 | 20 | 1385 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ultrafast fractionation of lignocellulosic biomass by microwave-assisted deep eutectic solvent pretreatment. Bioresource Technology, 2018, 250, 532-537. | 4.8 | 227 |
| 2 | Biological valorization strategies for converting lignin into fuels and chemicals. Renewable and Sustainable Energy Reviews, 2017, 73, 610-621. | 8.2 | 206 |
| 3 | Lignin extraction and upgrading using deep eutectic solvents. Industrial Crops and Products, 2020, 147, 112241. | 2.5 | 159 |
| 4 | Deep eutectic solvent pretreatment enabling full utilization of switchgrass. Bioresource Technology, 2018, 263, 40-48. | 4.8 | 141 |
| 5 | High-Solid Lignocellulose Processing Enabled by Natural Deep Eutectic Solvent for Lignin Extraction and Industrially Relevant Production of Renewable Chemicals. ACS Sustainable Chemistry and Engineering, 2018, 6, 12205-12216. | 3.2 | 137 |
| 6 | Ternary deep eutectic solvents for effective biomass deconstruction at high solids and low enzyme loadings. Bioresource Technology, 2019, 279, 281-286. | 4.8 | 94 |
| 7 | Insights into Structural Changes of Lignin toward Tailored Properties during Deep Eutectic Solvent Pretreatment. ACS Sustainable Chemistry and Engineering, 2020, 8, 9783-9793. | 3.2 | 72 |
| 8 | Reducing biomass recalcitrance via mild sodium carbonate pretreatment. Bioresource Technology, 2016, 209, 386-390. | 4.8 | 60 |
| 9 | Aqueous Choline Chloride: A Novel Solvent for Switchgrass Fractionation and Subsequent Hemicellulose Conversion into Furfural. ACS Sustainable Chemistry and Engineering, 2018, 6, 6910-6919. | 3.2 | 56 |
| 10 | Hemicellulose degradation: An overlooked issue in acidic deep eutectic solvents pretreatment of lignocellulosic biomass. Industrial Crops and Products, 2022, 187, 115335. | 2.5 | 48 |
| 11 | One-pot selective conversion of lignocellulosic biomass into furfural and co-products using aqueous choline chloride/methyl isobutyl ketone biphasic solvent system. Bioresource Technology, 2019, 289, 121708. | 4.8 | 45 |
| 12 | Non-sterile fermentations for the economical biochemical conversion of renewable feedstocks. Biotechnology Letters, 2017, 39, 1765-1777. | 1.1 | 29 |
| 13 | Co-valorization of paper mill sludge and corn steep liquor for enhanced n-butanol production with Clostridium tyrobutyricum Î”cat1::adhE2. Bioresource Technology, 2020, 296, 122347. | 4.8 | 25 |
| 14 | Effects of alkaline hydrogen peroxide treatment on cellulose accessibility of switchgrass pretreated by acidic deep eutectic solvent. Cellulose, 2019, 26, 9439-9446. | 2.4 | 17 |
| 15 | Co-fermentation of lignocellulose-based glucose and inhibitory compounds for lipid synthesis by Rhodococcus jostii RHA1. Process Biochemistry, 2017, 57, 159-166. | 1.8 | 15 |
| 16 | Nano on micro: tuning microbial metabolisms by nano-based artificial mediators to enhance and expand production of biochemicals. Current Opinion in Biotechnology, 2020, 64, 161-168. | 3.3 | 11 |
| 17 | Bioaldehydes and beyond: Expanding the realm of bioderived chemicals using biogenic aldehydes as platforms. Current Opinion in Chemical Biology, 2020, 59, 37-46. | 2.8 | 10 |
| 18 | Effects of Salts Contained in Lignocellulose-Derived Sugar Streams on Microbial Lipid Production. Applied Biochemistry and Biotechnology, 2017, 183, 1362-1374. | 1.4 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Microbial Conversion of Lignin-Based Compounds into Carotenoids by Rhodococci. Applied Biochemistry and Biotechnology, 2021, 193, 3442-3453. | 1.4 | 5 |
| 20 | Efficient biosynthesis of lipids from concentrated biomass hydrolysates by an oleaginous yeast. Bioresource Technology Reports, 2021, 15, 100712. | 1.5 | 2 |