

Olumoye A Ajao

List of Publications by Year in descending order

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16
papers

306
citations

933447

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394
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient-pressure lignin valorization to high-performance polymers by intensified reductive catalytic deconstruction. <i>Science Advances</i> , 2022, 8, eabj7523.	10.3	30
2	Technoeconomic and Life-Cycle Assessment for Electrocatalytic Production of Furandicarboxylic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4206-4217.	6.7	13
3	Multi-product biorefinery system for wood-barks valorization into tannins extracts, lignin-based polyurethane foam and cellulose-based composites: Techno-economic evaluation. <i>Industrial Crops and Products</i> , 2021, 167, 113435.	5.2	26
4	Experimental and computer aided solubility quantification of diverse lignins and performance prediction. <i>Chemical Communications</i> , 2021, 57, 1782-1785.	4.1	3
5	Integrated Multiproduct Biorefinery for Furfural Production with Acetic Acid and Lignin Recovery: Design, Scale-Up Evaluation, and Technoeconomic Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17345-17358.	6.7	28
6	Acetone-Butanol-Ethanol Production from Eastern Canadian Yellow Birch and Screening of Isopropanol-Butanol-Ethanol-Producing Strains. <i>Industrial Biotechnology</i> , 2019, 15, 188-201.	0.8	1
7	Green solvents-based fractionation process for kraft lignin with controlled dispersity and molecular weight. <i>Bioresource Technology</i> , 2019, 291, 121799.	9.6	30
8	Hemicellulose based integrated forest biorefineries: Implementation strategies. <i>Industrial Crops and Products</i> , 2018, 126, 250-260.	5.2	48
9	Decision support systems for assessment of biorefinery transformation strategies. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2155-2175.	1.7	9
10	Quantification and Variability Analysis of Lignin Optical Properties for Colour-Dependent Industrial Applications. <i>Molecules</i> , 2018, 23, 377.	3.8	55
11	Comparative biocatalytic degradation of Kraft prehydrolysate phenolic fermentation inhibitors using bacteria-derived laccase. <i>Wood Science and Technology</i> , 2017, 51, 585-599.	3.2	6
12	Study of Separation and Fouling of Reverse Osmosis Membranes during Model Hydrolysate Solution Filtration. <i>Membranes</i> , 2017, 7, 68.	3.0	4
13	Integrated Lignin-Kraft Pulp Biorefinery for the Production of Lignin and Its Derivatives: Economic Assessment and LCA-Based Environmental Footprint. <i>Biofuels and Biorefineries</i> , 2016, , 379-418.	0.5	12
14	Concentration and Detoxification of Kraft Prehydrolysate by Combining Nanofiltration with Flocculation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1113-1122.	3.7	13
15	Retention and flux characteristics of nanofiltration membranes during hemicellulose prehydrolysate concentration. <i>Chemical Engineering Journal</i> , 2015, 260, 605-615.	12.7	24
16	Process for Cost and Energy Efficient Production of Furfural from Kraft Hardwood Pre-Hydrolysate. <i>Journal of Bioprocess Engineering and Biorefinery</i> , 2014, 3, 296-307.	0.2	4