Olumoye A Ajao

List of Publications by Year
in descending order

16	306	933447 10	940533 16
papers	citations	h-index	g-index

16	16	16	394
all docs	docs citations	times ranked	citing authors

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