Lalehvash Moghaddam

List of Publications by Year
in descending order

39 papers	1,164 citations	430442 18 h-index	395343 33 g-index
39 all docs	39 docs citations	39 times ranked	1676 citing authors

#	Article	IF	Citations
1	Hydrothermal liquefaction of sugarcane bagasse to bio-oils: Effect of liquefaction solvents on bio-oil stability. Fuel, 2022, 312, 122793.	3.4	14
2	Cotton farming sustainability: Formation of trans-isoeugenol/ bio-aromatics, 5-chloromethylfurfural, C13â€“C17 liquid hydrocarbons & fertilizer from cotton gin trash. Journal of Cleaner Production, 2022, 363, 132404.	4.6	2
3	A hemicellulose-first approach: one-step conversion of sugarcane bagasse to xylooligosaccharides over activated carbon modified with tandem plasma and acid treatments. Green Chemistry, 2022, 24, 7410-7428.	4.6	6
4	Transforming Cotton Gin Trash to Engineered Functional Carbon Structures. Advanced Sustainable Systems, 2021, 5, 2100061.	2.7	2
5	Combined pyrolysis and sulphided NiMo/Al2O3 catalysed hydroprocessing in a multistage strategy for the production of biofuels from milk processing waste. Fuel, 2021, 295, 120602.	3.4	10
6	Conversion of pilot plant derived 2G ethanol cellulosic stillage to value-added chemicals. Industrial Crops and Products, 2021, 171, 113839.	2.5	4
7	Pretreatment and fermentation of lignocellulosic biomass: reaction mechanisms and process engineering. Reaction Chemistry and Engineering, 2020, 5, 2017-2047.	1.9	57
8	Deep Eutectic Solvent Extraction of Highâ€Purity Lignin from a Corn Stover Hydrolysate. ChemSusChem, 2020, 13, 4678-4690.	3.6	39
9	Heterogeneous Catalytic Conversion of Sugars Into 2,5-Furandicarboxylic Acid. Frontiers in Chemistry, 2020, 8, 659.	1.8	40
10	Mild fractionation of sugarcane bagasse into fermentable sugars and Î²-O-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. Bioresource Technology, 2020, 318, 124059.	4.8	35
11	Microbial oil production from acidified glycerol pretreated sugarcane bagasse by Mortierella isabellina. RSC Advances, 2019, 9, 2539-2550.	1.7	10
12	Roots of the Resurrection Plant Tripogon loliiformis Survive Desiccation Without the Activation of Autophagy Pathways by Maintaining Energy Reserves. Frontiers in Plant Science, 2019, 10, 459.	1.7	25
13	Ceramic membrane filtration of factory sugarcane juice: Effect of pretreatment on permeate flux, juice quality and fouling. Journal of Food Engineering, 2019, 243, 101-113.	2.7	38
14	The effect of cleaning agents on the structural features of heat exchanger deposits from sugar factories. Journal of Food Engineering, 2018, 226, 65-72.	2.7	4
15	Catalytic Conversion of Organosolv Lignins to Phenolic Monomers in Different Organic Solvents and Effect of Operating Conditions on Yield with Methyl Isobutyl Ketone. ACS Sustainable Chemistry and Engineering, 2018, 6, 3010-3018.	3.2	32
16	Fenton oxidation products derived from hydroxycinnamic acids increases phenolicâ€based compounds and organic acid formation in sugar processing. International Journal of Food Science and Technology, 2018, 53, 1278-1286.	1.3	3
17	Functional assessment of plant and microalgal lipid pathway genes in yeast to enhance microbial industrial oil production. Biotechnology and Applied Biochemistry, 2018, 65, 138-144.	1.4	18
18	Structural Characteristics of Bagasse Furfural Residue and Its Lignin Component. An NMR, Py-GC/MS, and FTIR Study. ACS Sustainable Chemistry and Engineering, 2017, 5, 4846-4855.	3.2	87

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19	Compositional and structural changes of sugarcane evaporator deposits after concentrated sodium hydroxide treatment. Journal of Food Engineering, 2017, 214, 1-9.	2.7	4
20	Effects of an alkali-acid purification process on the characteristics of eucalyptus lignin fractionated from a MIBK-based organosolv process. RSC Advances, 2016, 6, 92638-92647.	1.7	15
21	Structural Changes of Sugar Cane Bagasse Lignin during Cellulosic Ethanol Production Process. ACS Sustainable Chemistry and Engineering, 2016, 4, 5483-5494.	3.2	36
22	Degradation of phenethoxybenzene in sodium hydroxide. RSC Advances, 2016, 6, 57889-57901.	1.7	4
23	Effect of pretreatment on the formation of 5-chloromethyl furfural derived from sugarcane bagasse. RSC Advances, 2016, 6, 5240-5248.	1.7	10
24	The influence of impurities on calcium phosphate floc structure and size in sugar solutions. Journal of Food Engineering, 2016, 181, 20-27.	2.7	4
25	Thermal extrusion of starch film with alcohol. Journal of Food Engineering, 2016, 170, 92-99.	2.7	17
26	Trehalose Accumulation Triggers Autophagy during Plant Desiccation. PLoS Genetics, 2015, 11, e1005705.	1.5	94
27	Development of salinity tolerance in rice by constitutive-overexpression of genes involved in the regulation of programmed cell death. Frontiers in Plant Science, 2015, 6, 175.	1.7	67
28	Co- and Ca-phosphate-based catalysts for the depolymerization of organosolv eucalyptus lignin. RSC Advances, 2015, 5, 45618-45621.	1.7	4
29	Physio-chemical assessment of beauty leaf (Calophyllum inophyllum) as second-generation biodiesel feedstock. Energy Reports, 2015, 1, 204-215.	2.5	62
30	Calcium Phosphate Flocs and the Clarification of Sugar Cane Juice from Whole of Crop Harvesting. Journal of Agricultural and Food Chemistry, 2015, 63, 1573-1581.	2.4	15
31	Effects of mesostructured silica catalysts on the depolymerization of organosolv lignin fractionated from woody eucalyptus. Bioresource Technology, 2015, 180, 222-229.	4.8	21
32	Biodiesel Production from Non-Edible Beauty Leaf (Calophyllum inophyllum) Oil: Process Optimization Using Response Surface Methodology (RSM). Energies, 2014, 7, 5317-5331.	1.6	59
33	Preparation and characterization of composites from starch with sugarcane bagasse nanofibres. Cellulose, 2014, 21, 2695-2712.	2.4	29
34	Characterisation of lignins isolated from sugarcane bagasse pretreated with acidified ethylene glycol and ionic liquids. Biomass and Bioenergy, 2014, 70, 498-512.	2.9	70
35	In-situ monitoring by fibre-optic NIR spectroscopy and rheometry of maleic anhydride grafting to polypropylene in a laboratory scale reactive extruder. Polymer Testing, 2012, 31, 155-163.	2.3	11
36	Congo Red adsorption by ball-milled sugarcane bagasse. Chemical Engineering Journal, 2011, 178, 122-128.	6.6	188

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37	Paper Chemistry and papermaking suspensions: The effect of flocculants, shear, vacuum and depithing on the formation of thin bagasse pulp pads. Nordic Pulp and Paper Research Journal, 2010, 25, 434-440.	0.3	4
38	Vibrational spectroscopic studies of laboratory scale polymer melt processing: Application to a thermoplastic polyurethane nanocomposite. Vibrational Spectroscopy, 2009, 51, 86-92.	1.2	15
39	Infrared microspectroscopic mapping of the homogeneity of extruded blends: Application to starch/polyester blends. Polymer Testing, 2006, 25, 16-21.	2.3	9