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List of Publications by Year in Descending Order

54 papers	1,570 citations	23 h-index	39 g-index
57 ext. papers	1,877 ext. citations	7.6 avg, IF	5.03 L-index

#	Paper	IF	Citations
54	Effects of pretreatment methods on biomethane production kinetics and microbial community by solid state anaerobic digestion of sugarcane trash.. *Bioresource Technology*, **2022**, 352, 127112	11	0
53	Filamentous fungi for future functional food and feed.. *Current Opinion in Biotechnology*, **2022**, 76, 102729	11.4	3
52	Effect of hydrothermal treatment on deep dewatering of digested sludge: Further understanding the role of lignocellulosic biomass.. *Science of the Total Environment*, **2021**, 810, 152294	10.2	1
51	Highly efficient production of transfructosylating enzymes using low-cost sugarcane molasses by A. pullulans FRR 5284. *Bioresources and Bioprocessing*, **2021**, 8,	5.2	2
50	A systematic evaluation of biomethane production from sugarcane trash pretreated by different methods. *Bioresource Technology*, **2021**, 319, 124137	11	3
49	Coordination and legitimacy in the Australian biofuels innovation system 1979 - 2017. *Environmental Innovation and Societal Transitions*, **2021**, 38, 54-67	7.6	2
48	Wastes to profit: a circular economy approach to value-addition in livestock industries. *Animal Production Science*, **2021**, 61, 541	1.4	2
47	Spatial optimization of multiple biomass utilization for large-scale bioelectricity generation. *Journal of Cleaner Production*, **2021**, 319, 128625	10.3	4
46	Effect of ferrous iron loading on dewaterability, heavy metal removal and bacterial community of digested sludge by Acidithiobacillus ferrooxidans. *Journal of Environmental Management*, **2021**, 295, 113114	7.9	8
45	Land and sea: Addressing the challenges facing inter-regional ecosystems in developing a sustainable bioeconomy. *EFB Bioeconomy Journal*, **2021**, 1, 100017		1
44	Scale-up of two-step acid-catalysed glycerol pretreatment for production of oleaginous yeast biomass from sugarcane bagasse by Rhodosporidium toruloides. *Bioresource Technology*, **2020**, 313, 123666	11	11
43	A snapshot of microbial diversity and function in an undisturbed sugarcane bagasse pile. *BMC Biotechnology*, **2020**, 20, 12	3.5	5
42	Acid-Catalyzed Glycerol Pretreatment of Sugarcane Bagasse: Understanding the Properties of Lignin and Its Effects on Enzymatic Hydrolysis. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 10380-10388	8.3	19
41	A Geographical Information System based framework to identify optimal location and size of biomass energy plants using single or multiple biomass types. *Applied Energy*, **2020**, 275, 115398	10.7	15
40	Efficient production of fructo-oligosaccharides from sucrose and molasses by a novel Aureobasidium pullulan strain. *Biochemical Engineering Journal*, **2020**, 163, 107747	4.2	9
39	Mild fractionation of sugarcane bagasse into fermentable sugars and β-O-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. *Bioresource Technology*, **2020**, 318, 124059	11	8
38	Microbial oil production from acidified glycerol pretreated sugarcane bagasse by .. *RSC Advances*, **2019**, 9, 2539-2550	3.7	3

37	Co-utilization of acidified glycerol pretreated-sugarcane bagasse for microbial oil production by a novel strain. *Engineering in Life Sciences*, **2019**, 19, 217-228	3.4	8
36	The outlook of the production of advanced fuels and chemicals from integrated oil palm biomass biorefinery. *Renewable and Sustainable Energy Reviews*, **2019**, 109, 386-411	16.2	83
35	The prospect of microbial oil production and applications from oil palm biomass. *Biochemical Engineering Journal*, **2019**, 143, 9-23	4.2	26
34	Improved microbial oil production from oil palm empty fruit bunch by Mucor plumbeus. *Fuel*, **2017**, 194, 180-187	7.1	18
33	The Economic Case for Bioeconomy Development in Australia. *Industrial Biotechnology*, **2017**, 13, 65-68	1.3	1
32	Integration of Salt-Induced Phase Separation with Organosolv Pretreatment for Clean Fractionation of Lignocellulosic Biomass. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5284-5292	8.3	5
31	Environmental and economic life cycle assessment of energy recovery from sewage sludge through different anaerobic digestion pathways. *Energy*, **2017**, 126, 649-657	7.9	63
30	Mathematical modeling of xylose production from hydrolysis of sugarcane bagasse **2016**, 137-164		1
29	Evaluation of oil production from oil palm empty fruit bunch by oleaginous micro-organisms. *Biofuels, Bioproducts and Biorefining*, **2016**, 10, 378-392	5.3	23
28	Sugarcane-derived animal feed **2016**, 281-310		1
27	Organosolv pretreatment of plant biomass for enhanced enzymatic saccharification. *Green Chemistry*, **2016**, 18, 360-381	10	222
26	Biofuels from food processing wastes. *Current Opinion in Biotechnology*, **2016**, 38, 97-105	11.4	54
25	Production of fermentable sugars from sugarcane bagasse **2016**, 87-110		
24	The sugarcane industry, biofuel, and bioproduct perspectives **2016**, 1-22		5
23	A multi-criteria analysis approach for ranking and selection of microorganisms for the production of oils for biodiesel production. *Bioresource Technology*, **2015**, 190, 264-73	11	36
22	Sustainable conversion of cellulosic biomass to chemicals under visible-light irradiation. *RSC Advances*, **2015**, 5, 85242-85247	3.7	13
21	Effects of glycerol on enzymatic hydrolysis and ethanol production using sugarcane bagasse pretreated by acidified glycerol solution. *Bioresource Technology*, **2015**, 192, 367-73	11	34
20	A novel population balance model for the dilute acid hydrolysis of hemicellulose. *Biotechnology for Biofuels*, **2015**, 8, 26	7.8	3

19	Physio-chemical assessment of beauty leaf (Calophyllum inophyllum) as second-generation biodiesel feedstock. *Energy Reports*, **2015**, 1, 204-215	4.6	47
18	Stability of endoglucanases from mesophilic fungus and thermophilic bacterium in acidified polyols. *Enzyme and Microbial Technology*, **2014**, 61-62, 55-60	3.8	6
17	Characterisation of lignins isolated from sugarcane bagasse pretreated with acidified ethylene glycol and ionic liquids. *Biomass and Bioenergy*, **2014**, 70, 498-512	5.3	59
16	Effect of temperature and moisture on high pressure lipid/oil extraction from microalgae. *Energy Conversion and Management*, **2014**, 88, 307-316	10.6	34
15	The combination of plant-expressed cellobiohydrolase and low dosages of cellulases for the hydrolysis of sugar cane bagasse. *Biotechnology for Biofuels*, **2014**, 7, 131	7.8	24
14	Biodiesel Production from Non-Edible Beauty Leaf (Calophyllum inophyllum) Oil: Process Optimization Using Response Surface Methodology (RSM). *Energies*, **2014**, 7, 5317-5331	3.1	47
13	Comparative study on adsorption of two cationic dyes by milled sugarcane bagasse. *Industrial Crops and Products*, **2013**, 42, 41-49	5.9	129
12	Effects of pH on pretreatment of sugarcane bagasse using aqueous imidazolium ionic liquids. *Green Chemistry*, **2013**, 15, 431-438	10	42
11	Understanding mild acid pretreatment of sugarcane bagasse through particle scale modeling. *Biotechnology and Bioengineering*, **2013**, 110, 3114-25	4.9	1
10	Pretreatment of sugarcane bagasse by acidified aqueous polyol solutions. *Cellulose*, **2013**, 20, 3179-3190	5.5	36
9	Effect of depithing on the safety and environmental aspects of bagasse stockpiling. *Chemical Engineering Research and Design*, **2013**, 91, 378-385	5.5	18
8	Low temperature pretreatment of sugarcane bagasse at atmospheric pressure using mixtures of ethylene carbonate and ethylene glycol. *Green Chemistry*, **2013**, 15, 255-264	10	23
7	Effect of pretreatment on saccharification of sugarcane bagasse by complex and simple enzyme mixtures. *Bioresource Technology*, **2013**, 148, 105-13	11	35
6	Laboratory and pilot scale pretreatment of sugarcane bagasse by acidified aqueous glycerol solutions. *Bioresource Technology*, **2013**, 138, 14-21	11	54
5	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. *Energies*, **2013**, 6, 3764-3806	3.1	40
4	Glycerol carbonate as green solvent for pretreatment of sugarcane bagasse. *Biotechnology for Biofuels*, **2013**, 6, 153	7.8	33
3	Pretreatment of sugarcane bagasse by acid-catalysed process in aqueous ionic liquid solutions. *Bioresource Technology*, **2012**, 120, 149-56	11	96
2	Lignocellulosics as a Renewable Feedstock for Chemical Industry: Chemical Hydrolysis and Pretreatment Processes **2012**, 505-560		1

1	Congo Red adsorption by ball-milled sugarcane bagasse. *Chemical Engineering Journal*, **2011**, 178, 122-128.	4.7	153