

Ian M O'hara

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,232
citations

236612

25
h-index

223531

46
g-index

57
all docs

57
docs citations

57
times ranked

2788
citing authors

#	ARTICLE	IF	CITATIONS
1	Organosolv pretreatment of plant biomass for enhanced enzymatic saccharification. <i>Green Chemistry</i> , 2016, 18, 360-381.	4.6	299
2	Congo Red adsorption by ball-milled sugarcane bagasse. <i>Chemical Engineering Journal</i> , 2011, 178, 122-128.	6.6	188
3	Comparative study on adsorption of two cationic dyes by milled sugarcane bagasse. <i>Industrial Crops and Products</i> , 2013, 42, 41-49.	2.5	160
4	The outlook of the production of advanced fuels and chemicals from integrated oil palm biomass biorefinery. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 386-411.	8.2	128
5	Pretreatment of sugarcane bagasse by acid-catalysed process in aqueous ionic liquid solutions. <i>Bioresource Technology</i> , 2012, 120, 149-156.	4.8	107
6	Environmental and economic life cycle assessment of energy recovery from sewage sludge through different anaerobic digestion pathways. <i>Energy</i> , 2017, 126, 649-657.	4.5	91
7	Biofuels from food processing wastes. <i>Current Opinion in Biotechnology</i> , 2016, 38, 97-105.	3.3	72
8	Characterisation of lignins isolated from sugarcane bagasse pretreated with acidified ethylene glycol and ionic liquids. <i>Biomass and Bioenergy</i> , 2014, 70, 498-512.	2.9	70
9	Laboratory and pilot scale pretreatment of sugarcane bagasse by acidified aqueous glycerol solutions. <i>Bioresource Technology</i> , 2013, 138, 14-21.	4.8	64
10	Physio-chemical assessment of beauty leaf (<i>Calophyllum inophyllum</i>) as second-generation biodiesel feedstock. <i>Energy Reports</i> , 2015, 1, 204-215.	2.5	62
11	Biodiesel Production from Non-Edible Beauty Leaf (<i>Calophyllum inophyllum</i>) Oil: Process Optimization Using Response Surface Methodology (RSM). <i>Energies</i> , 2014, 7, 5317-5331.	1.6	59
12	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , 2013, 6, 3764-3806.	1.6	53
13	Effects of pH on pretreatment of sugarcane bagasse using aqueous imidazolium ionic liquids. <i>Green Chemistry</i> , 2013, 15, 431-438.	4.6	47
14	Glycerol carbonate as green solvent for pretreatment of sugarcane bagasse. <i>Biotechnology for Biofuels</i> , 2013, 6, 153.	6.2	46
15	A multi-criteria analysis approach for ranking and selection of microorganisms for the production of oils for biodiesel production. <i>Bioresource Technology</i> , 2015, 190, 264-273.	4.8	44
16	Effects of glycerol on enzymatic hydrolysis and ethanol production using sugarcane bagasse pretreated by acidified glycerol solution. <i>Bioresource Technology</i> , 2015, 192, 367-373.	4.8	43
17	Pretreatment of sugarcane bagasse by acidified aqueous polyol solutions. <i>Cellulose</i> , 2013, 20, 3179-3190.	2.4	42
18	Acid-Catalyzed Glycerol Pretreatment of Sugarcane Bagasse: Understanding the Properties of Lignin and Its Effects on Enzymatic Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10380-10388.	3.2	42

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19	A Geographical Information System based framework to identify optimal location and size of biomass energy plants using single or multiple biomass types. <i>Applied Energy</i> , 2020, 275, 115398.	5.1	42
20	Effect of pretreatment on saccharification of sugarcane bagasse by complex and simple enzyme mixtures. <i>Bioresource Technology</i> , 2013, 148, 105-113.	4.8	41
21	Effect of temperature and moisture on high pressure lipid/oil extraction from microalgae. <i>Energy Conversion and Management</i> , 2014, 88, 307-316.	4.4	41
22	Mild fractionation of sugarcane bagasse into fermentable sugars and β -O-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. <i>Bioresource Technology</i> , 2020, 318, 124059.	4.8	35
23	The prospect of microbial oil production and applications from oil palm biomass. <i>Biochemical Engineering Journal</i> , 2019, 143, 9-23.	1.8	34
24	Low temperature pretreatment of sugarcane bagasse at atmospheric pressure using mixtures of ethylene carbonate and ethylene glycol. <i>Green Chemistry</i> , 2013, 15, 255-264.	4.6	30
25	The combination of plant-expressed cellobiohydrolase and low dosages of cellulases for the hydrolysis of sugar cane bagasse. <i>Biotechnology for Biofuels</i> , 2014, 7, 131.	6.2	29
26	Filamentous fungi for future functional food and feed. <i>Current Opinion in Biotechnology</i> , 2022, 76, 102729.	3.3	28
27	Evaluation of oil production from oil palm empty fruit bunch by oleaginous microorganisms. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 378-392.	1.9	25
28	Scale-up of two-step acid-catalysed glycerol pretreatment for production of oleaginous yeast biomass from sugarcane bagasse by <i>Rhodospiridium toruloides</i> . <i>Bioresource Technology</i> , 2020, 313, 123666.	4.8	25
29	Effect of depithing on the safety and environmental aspects of bagasse stockpiling. <i>Chemical Engineering Research and Design</i> , 2013, 91, 378-385.	2.7	24
30	Sustainable conversion of cellulosic biomass to chemicals under visible-light irradiation. <i>RSC Advances</i> , 2015, 5, 85242-85247.	1.7	24
31	Wastes to profit: a circular economy approach to value-addition in livestock industries. <i>Animal Production Science</i> , 2021, 61, 541.	0.6	22
32	Improved microbial oil production from oil palm empty fruit bunch by <i>Mucor plumbeus</i> . <i>Fuel</i> , 2017, 194, 180-187.	3.4	21
33	Effects of pretreatment methods on biomethane production kinetics and microbial community by solid state anaerobic digestion of sugarcane trash. <i>Bioresource Technology</i> , 2022, 352, 127112.	4.8	21
34	Co-utilization of acidified glycerol pretreated sugarcane bagasse for microbial oil production by a novel <i>Rhodospiridium</i> strain. <i>Engineering in Life Sciences</i> , 2019, 19, 217-228.	2.0	19
35	Effect of ferrous iron loading on dewaterability, heavy metal removal and bacterial community of digested sludge by <i>Acidithiobacillus ferrooxidans</i> . <i>Journal of Environmental Management</i> , 2021, 295, 113114.	3.8	19
36	Efficient production of fructo-oligosaccharides from sucrose and molasses by a novel <i>Aureobasidium pullulan</i> strain. <i>Biochemical Engineering Journal</i> , 2020, 163, 107747.	1.8	18

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37	A systematic evaluation of biomethane production from sugarcane trash pretreated by different methods. <i>Bioresource Technology</i> , 2021, 319, 124137.	4.8	15
38	Effect of hydrothermal treatment on deep dewatering of digested sludge: Further understanding the role of lignocellulosic biomass. <i>Science of the Total Environment</i> , 2022, 810, 152294.	3.9	14
39	A snapshot of microbial diversity and function in an undisturbed sugarcane bagasse pile. <i>BMC Biotechnology</i> , 2020, 20, 12.	1.7	12
40	Spatial optimization of multiple biomass utilization for large-scale bioelectricity generation. <i>Journal of Cleaner Production</i> , 2021, 319, 128625.	4.6	12
41	Microbial oil production from acidified glycerol pretreated sugarcane bagasse by <i>Mortierella isabellina</i> . <i>RSC Advances</i> , 2019, 9, 2539-2550.	1.7	10
42	Highly efficient production of transfructosylating enzymes using low-cost sugarcane molasses by <i>A. pullulans</i> FRR 5284. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	8
43	Stability of endoglucanases from mesophilic fungus and thermophilic bacterium in acidified polyols. <i>Enzyme and Microbial Technology</i> , 2014, 61-62, 55-60.	1.6	6
44	Integration of Salt-Induced Phase Separation with Organosolv Pretreatment for Clean Fractionation of Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5284-5292.	3.2	5
45	Coordination and legitimacy in the Australian biofuels innovation system 1979 - 2017. <i>Environmental Innovation and Societal Transitions</i> , 2021, 38, 54-67.	2.5	4
46	A novel population balance model for the dilute acid hydrolysis of hemicellulose. <i>Biotechnology for Biofuels</i> , 2015, 8, 26.	6.2	3
47	Transformation of sugarcane molasses into fructooligosaccharides with enhanced prebiotic activity using whole-cell biocatalysts from <i>Aureobasidium pullulans</i> FRR 5284 and an invertase-deficient <i>Saccharomyces cerevisiae</i> 1403-7A. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	3
48	The Economic Case for Bioeconomy Development in Australia. <i>Industrial Biotechnology</i> , 2017, 13, 65-68.	0.5	2
49	Understanding mild acid pretreatment of sugarcane bagasse through particle scale modeling. <i>Biotechnology and Bioengineering</i> , 2013, 110, 3114-3125.	1.7	1
50	Land and sea: Addressing the challenges facing inter-regional ecosystems in developing a sustainable bioeconomy. <i>EFB Bioeconomy Journal</i> , 2021, 1, 100017.	1.1	1
51	Cover Image, Volume 10, Issue 4. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, i-i.	1.9	0