

# Ian M O hara

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Organosolv pretreatment of plant biomass for enhanced enzymatic saccharification. <i>Green Chemistry</i> , <b>2016</b> , 18, 360-381  | 10   | 222       |
| 53 | Congo Red adsorption by ball-milled sugarcane bagasse. <i>Chemical Engineering Journal</i> , <b>2011</b> , 178, 122-128   | 11.7 | 153       |
| 52 | Comparative study on adsorption of two cationic dyes by milled sugarcane bagasse. <i>Industrial Crops and Products</i> , <b>2013</b> , 42, 41-49  | 5.9  | 129       |
| 51 | Pretreatment of sugarcane bagasse by acid-catalysed process in aqueous ionic liquid solutions. <i>Bioresource Technology</i> , <b>2012</b> , 120, 149-56  | 11   | 96        |
| 50 | The outlook of the production of advanced fuels and chemicals from integrated oil palm biomass biorefinery. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 109, 386-411            | 16.2 | 83        |
| 49 | Environmental and economic life cycle assessment of energy recovery from sewage sludge through different anaerobic digestion pathways. <i>Energy</i> , <b>2017</b> , 126, 649-657                   | 7.9  | 63        |
| 48 | Characterisation of lignins isolated from sugarcane bagasse pretreated with acidified ethylene glycol and ionic liquids. <i>Biomass and Bioenergy</i> , <b>2014</b> , 70, 498-512                   | 5.3  | 59        |
| 47 | Biofuels from food processing wastes. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 38, 97-105  | 11.4 | 54        |
| 46 | Laboratory and pilot scale pretreatment of sugarcane bagasse by acidified aqueous glycerol solutions. <i>Bioresource Technology</i> , <b>2013</b> , 138, 14-21                                      | 11   | 54        |
| 45 | Physio-chemical assessment of beauty leaf ( <i>Calophyllum inophyllum</i> ) as second-generation biodiesel feedstock. <i>Energy Reports</i> , <b>2015</b> , 1, 204-215                              | 4.6  | 47        |
| 44 | Biodiesel Production from Non-Edible Beauty Leaf ( <i>Calophyllum inophyllum</i> ) Oil: Process Optimization Using Response Surface Methodology (RSM). <i>Energies</i> , <b>2014</b> , 7, 5317-5331 | 3.1  | 47        |
| 43 | Effects of pH on pretreatment of sugarcane bagasse using aqueous imidazolium ionic liquids. <i>Green Chemistry</i> , <b>2013</b> , 15, 431-438  | 10   | 42        |
| 42 | The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , <b>2013</b> , 6, 3764-3806  | 3.1  | 40        |
| 41 | A multi-criteria analysis approach for ranking and selection of microorganisms for the production of oils for biodiesel production. <i>Bioresource Technology</i> , <b>2015</b> , 190, 264-73       | 11   | 36        |
| 40 | Pretreatment of sugarcane bagasse by acidified aqueous polyol solutions. <i>Cellulose</i> , <b>2013</b> , 20, 3179-3190   | 5.5  | 36        |
| 39 | Effect of pretreatment on saccharification of sugarcane bagasse by complex and simple enzyme mixtures. <i>Bioresource Technology</i> , <b>2013</b> , 148, 105-13                                    | 11   | 35        |
| 38 | Effect of temperature and moisture on high pressure lipid/oil extraction from microalgae. <i>Energy Conversion and Management</i> , <b>2014</b> , 88, 307-316                                       | 10.6 | 34        |

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| 37 | Effects of glycerol on enzymatic hydrolysis and ethanol production using sugarcane bagasse pretreated by acidified glycerol solution. <i>Bioresource Technology</i> , <b>2015</b> , 192, 367-73                                    | 11   | 34 |
| 36 | Glycerol carbonate as green solvent for pretreatment of sugarcane bagasse. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 153  | 7.8  | 33 |
| 35 | The prospect of microbial oil production and applications from oil palm biomass. <i>Biochemical Engineering Journal</i> , <b>2019</b> , 143, 9-23  | 4.2  | 26 |
| 34 | The combination of plant-expressed cellobiohydrolase and low dosages of cellulases for the hydrolysis of sugar cane bagasse. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 131  | 7.8  | 24 |
| 33 | Evaluation of oil production from oil palm empty fruit bunch by oleaginous micro-organisms. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2016</b> , 10, 378-392   | 5.3  | 23 |
| 32 | Low temperature pretreatment of sugarcane bagasse at atmospheric pressure using mixtures of ethylene carbonate and ethylene glycol. <i>Green Chemistry</i> , <b>2013</b> , 15, 255-264   | 10   | 23 |
| 31 | 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> , <b>2020</b> , 8, 10380-10388         | 8.3  | 19 |
| 30 | Improved microbial oil production from oil palm empty fruit bunch by <i>Mucor plumbeus</i> . <i>Fuel</i> , <b>2017</b> , 194, 180-187  | 7.1  | 18 |
| 29 | Effect of depithing on the safety and environmental aspects of bagasse stockpiling. <i>Chemical Engineering Research and Design</i> , <b>2013</b> , 91, 378-385  | 5.5  | 18 |
| 28 | 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> , <b>2020</b> , 275, 115398                         | 10.7 | 15 |
| 27 | Sustainable conversion of cellulosic biomass to chemicals under visible-light irradiation. <i>RSC Advances</i> , <b>2015</b> , 5, 85242-85247  | 3.7  | 13 |
| 26 | 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> , <b>2020</b> , 313, 123666        | 11   | 11 |
| 25 | Efficient production of fructo-oligosaccharides from sucrose and molasses by a novel <i>Aureobasidium pullulan</i> strain. <i>Biochemical Engineering Journal</i> , <b>2020</b> , 163, 107747                                      | 4.2  | 9  |
| 24 | Co-utilization of acidified glycerol pretreated-sugarcane bagasse for microbial oil production by a novel strain. <i>Engineering in Life Sciences</i> , <b>2019</b> , 19, 217-228  | 3.4  | 8  |
| 23 | Mild fractionation of sugarcane bagasse into fermentable sugars and EO-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. <i>Bioresource Technology</i> , <b>2020</b> , 318, 124059                        | 11   | 8  |
| 22 | 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> , <b>2021</b> , 295, 113114 | 7.9  | 8  |
| 21 | Stability of endoglucanases from mesophilic fungus and thermophilic bacterium in acidified polyols. <i>Enzyme and Microbial Technology</i> , <b>2014</b> , 61-62, 55-60  | 3.8  | 6  |
| 20 | Integration of Salt-Induced Phase Separation with Organosolv Pretreatment for Clean Fractionation of Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5284-5292                        | 8.3  | 5  |

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|----|---|------|---|
| 19 | A snapshot of microbial diversity and function in an undisturbed sugarcane bagasse pile. <i>BMC Biotechnology</i> , <b>2020</b> , 20, 12  | 3.5  | 5 |
| 18 | The sugarcane industry, biofuel, and bioproduct perspectives <b>2016</b> , 1-22   |      | 5 |
| 17 | Spatial optimization of multiple biomass utilization for large-scale bioelectricity generation. <i>Journal of Cleaner Production</i> , <b>2021</b> , 319, 128625  | 10.3 | 4 |
| 16 | Microbial oil production from acidified glycerol pretreated sugarcane bagasse by .. <i>RSC Advances</i> , <b>2019</b> , 9, 2539-2550  | 3.7  | 3 |
| 15 | A novel population balance model for the dilute acid hydrolysis of hemicellulose. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 26   | 7.8  | 3 |
| 14 | A systematic evaluation of biomethane production from sugarcane trash pretreated by different methods. <i>Bioresource Technology</i> , <b>2021</b> , 319, 124137  | 11   | 3 |
| 13 | Filamentous fungi for future functional food and feed.. <i>Current Opinion in Biotechnology</i> , <b>2022</b> , 76, 102729  | 19.4 | 3 |
| 12 | Highly efficient production of transfructosylating enzymes using low-cost sugarcane molasses by A. pullulans FRR 5284. <i>Bioresources and Bioprocessing</i> , <b>2021</b> , 8,                             | 5.2  | 2 |
| 11 | Coordination and legitimacy in the Australian biofuels innovation system 1979 - 2017. <i>Environmental Innovation and Societal Transitions</i> , <b>2021</b> , 38, 54-67                                    | 7.6  | 2 |
| 10 | Wastes to profit: a circular economy approach to value-addition in livestock industries. <i>Animal Production Science</i> , <b>2021</b> , 61, 541   | 1.4  | 2 |
| 9  | The Economic Case for Bioeconomy Development in Australia. <i>Industrial Biotechnology</i> , <b>2017</b> , 13, 65-68  | 1.3  | 1 |
| 8  | Mathematical modeling of xylose production from hydrolysis of sugarcane bagasse <b>2016</b> , 137-164   |      | 1 |
| 7  | Sugarcane-derived animal feed <b>2016</b> , 281-310   |      | 1 |
| 6  | Understanding mild acid pretreatment of sugarcane bagasse through particle scale modeling. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 3114-25   | 4.9  | 1 |
| 5  | Lignocellulosics as a Renewable Feedstock for Chemical Industry: Chemical Hydrolysis and Pretreatment Processes <b>2012</b> , 505-560   |      | 1 |
| 4  | Effect of hydrothermal treatment on deep dewatering of digested sludge: Further understanding the role of lignocellulosic biomass.. <i>Science of the Total Environment</i> , <b>2021</b> , 810, 152294     | 10.2 | 1 |
| 3  | Land and sea: Addressing the challenges facing inter-regional ecosystems in developing a sustainable bioeconomy. <i>EFB Bioeconomy Journal</i> , <b>2021</b> , 1, 100017                                    |      | 1 |
| 2  | Effects of pretreatment methods on biomethane production kinetics and microbial community by solid state anaerobic digestion of sugarcane trash.. <i>Bioresource Technology</i> , <b>2022</b> , 352, 127112 | 11   | 0 |

- 1 Production of fermentable sugars from sugarcane bagasse **2016**, 87-110