

# Fionnuala Murphy

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

690  
citations

516561

16  
h-index

552653

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

961  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofuel Production in Ireland – An Approach to 2020 Targets with a Focus on Algal Biomass. <i>Energies</i> , 2013, 6, 6391-6412.	1.6	72
2	Forest biomass supply chains in Ireland: A life cycle assessment of GHG emissions and primary energy balances. <i>Applied Energy</i> , 2014, 116, 1-8.	5.1	63
3	Greenhouse gas and energy based life cycle analysis of products from the Irish wood processing industry. <i>Journal of Cleaner Production</i> , 2015, 92, 134-141.	4.6	54
4	Feasibility study of an offshore wind farm in the Aegean Sea, Turkey. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 2552-2562.	8.2	48
5	Miscanthus production and processing in Ireland: An analysis of energy requirements and environmental impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 412-420.	8.2	45
6	Life cycle assessment of biomass-to-energy systems in Ireland modelled with biomass supply chain optimisation based on greenhouse gas emission reduction. <i>Energy</i> , 2016, 109, 1040-1055.	4.5	42
7	Energy requirements and environmental impacts associated with the production of short rotation willow ( <i>Salix</i> sp.) chip in Ireland. <i>GCB Bioenergy</i> , 2014, 6, 727-739.	2.5	39
8	Life cycle assessment of sewage sludge pretreatment for biogas production: From laboratory tests to full-scale applicability. <i>Journal of Cleaner Production</i> , 2021, 322, 129056.	4.6	37
9	Investigation of the potential impact of the Paris Agreement on national mitigation policies and the risk of carbon leakage; an analysis of the Irish bioenergy industry. <i>Energy Policy</i> , 2017, 104, 80-88.	4.2	30
10	Multifunctional perennial production systems for bioenergy: performance and progress. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2020, 9, e375.	1.9	26
11	Space, time, and sustainability: The status and future of life cycle assessment frameworks for novel biorefinery systems. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 159, 112259.	8.2	26
12	A Feasibility Assessment of Photovoltaic Power Systems in Ireland; a Case Study for the Dublin Region. <i>Sustainability</i> , 2017, 9, 302.	1.6	24
13	Alternative seagrass wrack management practices in the circular bioeconomy framework: A life cycle assessment approach. <i>Science of the Total Environment</i> , 2021, 798, 149283.	3.9	23
14	Anaerobic digestion of poultry litter – A consequential life cycle assessment. <i>Science of the Total Environment</i> , 2020, 735, 139494.	3.9	22
15	Spatial and life cycle assessment of bioenergy-driven land-use changes in Ireland. <i>Science of the Total Environment</i> , 2019, 664, 262-275.	3.9	20
16	Determining the optimum low-temperature district heating network design for a secondary network supplying a low-energy-use apartment block in Ireland. <i>Energy</i> , 2020, 192, 116595.	4.5	18
17	Assessing the environmental sustainability of grass silage and cattle slurry for biogas production. <i>Journal of Cleaner Production</i> , 2021, 298, 126838.	4.6	18
18	Economic and environmental sustainability analysis of seaweed farming: Monetizing carbon offsets of a brown algae cultivation system in Ireland. <i>Bioresource Technology</i> , 2022, 346, 126637.	4.8	15

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19	The evaluation of viscosity and density of blends of Cyn-diesel pyrolysis fuel with conventional diesel fuel in relation to compliance with fuel specifications EN 590:2009. <i>Fuel</i> , 2012, 91, 112-118.	3.4	14
20	Potential to increase indigenous biodiesel production to help meet 2020 targets – An EU perspective with a focus on Ireland. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 35, 154-170.	8.2	11
21	Benchmarking Environmental Impacts of Peat Use for Electricity Generation in Ireland – A Life Cycle Assessment. <i>Sustainability</i> , 2015, 7, 6376-6393.	1.6	11
22	Feasibility Study of Carbon Dioxide Plume Geothermal Systems in Germany – Utilising Carbon Dioxide for Energy. <i>Energies</i> , 2020, 13, 2416.	1.6	10
23	The Evaluation of Flash Point and Cold Filter Plugging Point with Blends of Diesel and Cyn-Diesel Pyrolysis Fuel for Automotive Engines. <i>Open Fuels and Energy Science Journal</i> , 2013, 6, 1-8.	0.2	6
24	Transport sector in Ireland: can 2020 national policy targets drive indigenous biofuel production to success?. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2014, 3, 310-322.	1.9	5
25	Upscale fermenter design for lactic acid production from cheese whey permeate focusing on impeller selection and energy optimization. <i>Journal of Food Science and Technology</i> , 2022, 59, 2263-2273.	1.4	3
26	Life cycle assessment of Irish district heating systems: a comparison of waste heat pump, biomass-based and conventional gas boiler. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 1437-1451.	2.1	3