

# Niall Mac Dowell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1042923/publications.pdf>

Version: 2024-02-01

21  
papers

5,138  
citations

471061

17  
h-index

676716

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

6288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comment on "How green is blue hydrogen?" Energy Science and Engineering, 2022, 10, 1944-1954.	1.9	23
2	Hydrogen Production and Its Applications to Mobility. Annual Review of Chemical and Biomolecular Engineering, 2022, 13, 501-528.	3.3	7
3	Delivering low-carbon electricity systems in sub-Saharan Africa: insights from Nigeria. Energy and Environmental Science, 2021, 14, 4018-4037.	15.6	12
4	A carbon neutral chemical industry powered by the sun. Discover Chemical Engineering, 2021, 1, 1.	1.1	17
5	Delaying carbon dioxide removal in the European Union puts climate targets at risk. Nature Communications, 2021, 12, 6490.	5.8	30
6	Reply to the "Comment on "Powering sustainable development within planetary boundaries" by Y. Yang, Energy Environ. Sci., 2020, 13, DOI: 10.1039/C9EE01176E. Energy and Environmental Science, 2020, 13, 313-316.	15.6	4
7	Recognizing the Value of Collaboration in Delivering Carbon Dioxide Removal. One Earth, 2020, 3, 214-225.	3.6	20
8	Equity in allocating carbon dioxide removal quotas. Nature Climate Change, 2020, 10, 640-646.	8.1	91
9	A comparative assessment framework for sustainable production of fuels and chemicals explicitly accounting for intermittency. Sustainable Energy and Fuels, 2020, 4, 3888-3903.	2.5	10
10	What is needed to deliver carbon-neutral heat using hydrogen and CCS?. Energy and Environmental Science, 2020, 13, 4204-4224.	15.6	54
11	Mitigation potential and environmental impact of centralized versus distributed BECCS with domestic biomass production in Great Britain. GCB Bioenergy, 2019, 11, 1234-1252.	2.5	23
12	Powering sustainable development within planetary boundaries. Energy and Environmental Science, 2019, 12, 1890-1900.	15.6	77
13	A synergistic approach for the simultaneous decarbonisation of power and industry via bioenergy with carbon capture and storage (BECCS). International Journal of Greenhouse Gas Control, 2019, 87, 221-237.	2.3	22
14	Carbon capture and storage (CCS): the way forward. Energy and Environmental Science, 2018, 11, 1062-1176.	15.6	2,378
15	Investigating the BECCS resource nexus: delivering sustainable negative emissions. Energy and Environmental Science, 2018, 11, 3408-3430.	15.6	96
16	Impact of myopic decision-making and disruptive events in power systems planning. Nature Energy, 2018, 3, 634-640.	19.8	58
17	Challenges and opportunities for the utilisation of ionic liquids as solvents for CO <sub>2</sub> capture. Molecular Systems Design and Engineering, 2018, 3, 560-571.	1.7	68
18	Can BECCS deliver sustainable and resource efficient negative emissions?. Energy and Environmental Science, 2017, 10, 1389-1426.	15.6	257

#	ARTICLE	IF	CITATIONS
19	Inefficient power generation as an optimal route to negative emissions via BECCS?. Environmental Research Letters, 2017, 12, 045004.	2.2	52
20	Solvent selection and design for CO <sub>2</sub> capture – how we might have been missing the point. Sustainable Energy and Fuels, 2017, 1, 2078-2090.	2.5	69
21	Carbon capture and storage update. Energy and Environmental Science, 2014, 7, 130-189.	15.6	1,765