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List of Publications by Year
in descending order

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48 papers	3,754 citations	172457 29 h-index	197818 49 g-index
56 all docs	56 docs citations	56 times ranked	4460 citing authors

#	Article	IF	Citations
1	Low Carbon Public Transport and the Competition with Aviation. Green Energy and Technology, 2022, , 81-90.	0.6	2
2	Trains. Green Energy and Technology, 2022, , 51-58.	0.6	1
3	Transportation in a Net Zero World: Transitioning Towards Low Carbon Public Transport. Green Energy and Technology, 2022, , .	0.6	3
4	Uncertainty of modelled bioenergy with carbon capture and storage due to variability of input data. GCB Bioenergy, 2021, 13, 691-707.	5.6	7
5	Phasing in electric vehicles: Does policy focusing on operating emission achieve net zero emissions reduction objectives?. Transportation Research, Part A: Policy and Practice, 2021, 152, 100-114.	4.2	13
6	Electric and hydrogen rail: Potential contribution to net zero in the UK. Transportation Research, Part D: Transport and Environment, 2020, 87, 102523.	6.8	34
7	Commercial experience with miscanthus crops: Establishment, yields and environmental observations. GCB Bioenergy, 2020, 12, 510-523.	5.6	17
8	UK and China: Will electric vehicle integration meet Paris Agreement Targets?. Transportation Research Interdisciplinary Perspectives, 2020, 8, 100245.	2.7	13
9	Electric and hydrogen buses: Shifting from conventionally fuelled cars in the UK. Transportation Research, Part D: Transport and Environment, 2020, 85, 102350.	6.8	58
10	Bioenergy with Carbon Capture and Storage (BECCS): Finding the winâ€“wins for energy, negative emissions and ecosystem servicesâ€”size matters. GCB Bioenergy, 2020, 12, 586-604.	5.6	41
11	Modeled spatial assessment of biomass productivity and technical potential of MiscanthusÂÃ—Âgiganteus, Panicum virgatum L., and Jatropha on marginal land in China. GCB Bioenergy, 2020, 12, 328-345.	5.6	25
12	Spatiotemporal assessment of farmâ€gate production costs and economic potential of Miscanthus ÂÃ—Â giganteus , Panicum virgatum L., and Jatropha grown on marginal land in China. GCB Bioenergy, 2020, 12, 310-327.	5.6	10
13	Projections of global and UK bioenergy potential from MiscanthusÂÃ—Âgiganteusâ€”Feedstock yield, carbon cycling and electricity generation in the 21st century. GCB Bioenergy, 2020, 12, 287-305.	5.6	20
14	PopFor: A new model for estimating poplar yields. Biomass and Bioenergy, 2020, 134, 105470.	5.7	7
15	Mitigation potential and environmental impact of centralized versus distributed BECCS with domestic biomass production in Great Britain. GCB Bioenergy, 2019, 11, 1234-1252.	5.6	23
16	Collecting wild Miscanthus germplasm in Asia for crop improvement and conservation in Europe whilst adhering to the guidelines of the United Nationsâ€™ Convention on Biological Diversity. Annals of Botany, 2019, 124, 591-604.	2.9	13
17	A critical review of the impacts of cover crops on nitrogen leaching, net greenhouse gas balance and crop productivity. Global Change Biology, 2019, 25, 2530-2543.	9.5	343
18	Breeding progress and preparedness for massâ€scale deployment of perennial lignocellulosic biomass crops switchgrass, miscanthus, willow and poplar. GCB Bioenergy, 2019, 11, 118-151.	5.6	116

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19	Miscanthus. , 2018, , 35-59.		18
20	Environmental costs and benefits of growing Miscanthus for bioenergy in the <scp>UK</scp>. GCB Bioenergy, 2017, 9, 489-507.	5.6	183
21	The impact of soil salinity on the yield, composition and physiology of the bioenergy grass MiscanthusÂÃ—Âgiganteus. GCB Bioenergy, 2017, 9, 92-104.	5.6	106
22	Highâ€resolution spatial modelling of greenhouse gas emissions from landâ€use change to energy crops in the United Kingdom. GCB Bioenergy, 2017, 9, 627-644.	5.6	47
23	Progress in upscaling Miscanthus biomass production for the European bioâ€economy with seedâ€based hybrids. GCB Bioenergy, 2017, 9, 6-17.	5.6	156
24	Novel Miscanthus Germplasm-Based Value Chains: A Life Cycle Assessment. Frontiers in Plant Science, 2017, 8, 990.	3.6	24
25	Economic and Environmental Assessment of Seed and Rhizome Propagated Miscanthus in the UK. Frontiers in Plant Science, 2017, 8, 1058.	3.6	66
26	Progress on Optimizing Miscanthus Biomass Production for the European Bioeconomy: Results of the EU FP7 Project OPTIMISC. Frontiers in Plant Science, 2016, 7, 1620.	3.6	160
27	Synergies and tradeâ€offs between renewable energy expansion and biodiversity conservation â€“ a crossâ€national multifactor analysis. GCB Bioenergy, 2016, 8, 1191-1200.	5.6	28
28	Potential impacts on ecosystem services of land use transitions to secondâ€generation bioenergy crops in <scp>GB</scp>. GCB Bioenergy, 2016, 8, 317-333.	5.6	56
29	ELUM: A spatial modelling tool to predict soil greenhouse gas changes from land conversion to bioenergy in the UK. Environmental Modelling and Software, 2016, 84, 458-466.	4.5	17
30	Emissions of methane from northern peatlands: a review of management impacts and implications for future management options. Ecology and Evolution, 2016, 6, 7080-7102.	1.9	120
31	Global change synergies and tradeâ€offs between renewable energy and biodiversity. GCB Bioenergy, 2016, 8, 941-951.	5.6	61
32	The potential for land sparing to offset greenhouse gas emissions from agriculture. Nature Climate Change, 2016, 6, 488-492.	18.8	177
33	The technical potential of <scp>G</scp>reat <scp>B</scp>ritain to produce ligноâ€cellulosic biomass for bioenergy in current and future climates. GCB Bioenergy, 2014, 6, 108-122.	5.6	64
34	Assessing the impact of within crop heterogeneity (â€˜patchinessâ€™) in young MiscanthusÂÃ—Âgiganteus fields on economic feasibility and soil carbon sequestration. GCB Bioenergy, 2014, 6, 566-576.	5.6	27
35	Land use change from C3 grassland to C4 Miscanthus: effects on soil carbon content and estimated mitigation benefit after six years. GCB Bioenergy, 2014, 6, 360-370.	5.6	83
36	How does bioenergy compare with other land-based renewable energy sources globally?. GCB Bioenergy, 2013, 5, 513-524.	5.6	36

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37	Food vs. fuel: the use of land for lignocellulosic â€˜next generationâ€™ energy crops that minimize competition with primary food production. GCB Bioenergy, 2012, 4, 1-19.	5.6	240
38	Sensitivity of crop model predictions to entire meteorological and soil input datasets highlights vulnerability to drought. Environmental Modelling and Software, 2012, 29, 37-43.	4.5	40
39	Landâ€use change to bioenergy production in <scp>E</scp>urope: implications for the greenhouse gas balance and soil carbon. GCB Bioenergy, 2012, 4, 372-391.	5.6	298
40	Economic and greenhouse gas costs of Miscanthus supply chains in the <scp>United Kingdom</scp>. GCB Bioenergy, 2012, 4, 358-363.	5.6	21
41	Thermal requirements for seed germination in Miscanthus compared with Switchgrass (Panicum) Tj ETQq1 1 0.784314 rgBT /Overloc	5.6	33
42	Characterization of flowering time diversity in Miscanthus species. GCB Bioenergy, 2011, 3, 387-400.	5.6	76
43	Soil C storage as affected by tillage and straw management: An assessment using field measurements and model predictions. Agriculture, Ecosystems and Environment, 2011, 140, 218-225.	5.3	50
44	The development of MISCANFOR, a new Miscanthus crop growth model: towards more robust yield predictions under different climatic and soil conditions. GCB Bioenergy, 2009, 1, 154-170.	5.6	155
45	Future energy potential of Miscanthus in Europe. GCB Bioenergy, 2009, 1, 180-196.	5.6	139
46	The potential of Miscanthus to sequester carbon in soils: comparing field measurements in Carlow, Ireland to model predictions. GCB Bioenergy, 2009, 1, 413-425.	5.6	104
47	Potential of Miscanthus grasses to provide energy and hence reduce greenhouse gas emissions. Agronomy for Sustainable Development, 2008, 28, 465-472.	5.3	69
48	Energy crops: current status and future prospects. Global Change Biology, 2006, 12, 2054-2076.	9.5	351