

Paul R H Robson

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

41
papers

1,392
citations

18
h-index

37
g-index

42
ext. papers

1,673
ext. citations

5.5
avg, IF

4.43
L-index

#	Paper	IF	Citations
41	Controlled comparisons between soil and hydroponic systems reveal increased water use efficiency and higher lycopene and β -carotene contents in hydroponically grown tomatoes. <i>Scientia Horticulturae</i> , 2021 , 279, 109896	4.1	7
40	Linkage mapping evidence for a syntenic QTL associated with flowering time in perennial C rhizomatous grasses and switchgrass. <i>GCB Bioenergy</i> , 2021 , 13, 98-111	5.6	1
39	Seasonal Dynamics of Dry Matter Accumulation and Nutrients in a Mature Miscanthus Giganteus Stand in the Lower Silesia Region of Poland. <i>Agronomy</i> , 2021 , 11, 1679	3.6	0
38	Wild Miscanthus Germplasm in a Drought-Affected Area: Physiology and Agronomy Appraisals. <i>Agronomy</i> , 2020 , 10, 679	3.6	5
37	Using a Taguchi DOE to investigate factors and interactions affecting germination in Miscanthus sinensis. <i>Scientific Reports</i> , 2020 , 10, 1602	4.9	2
36	Allelopathic and intraspecific growth competition effects establishment of direct sown. <i>GCB Bioenergy</i> , 2020 , 12, 396-409	5.6	1
35	The Effects of Moderate and Severe Salinity on Composition and Physiology in the Biomass Crop. <i>Plants</i> , 2020 , 9,	4.5	3
34	Morphological and Physiological Traits that Explain Yield Response to Drought Stress in Miscanthus. <i>Agronomy</i> , 2020 , 10, 1194	3.6	5
33	Measured and modelled effect of land-use change from temperate grassland to on soil carbon stocks after 12 years. <i>GCB Bioenergy</i> , 2019 , 11, 1173-1186	5.6	7
32	Novel Miscanthus genotypes selected for different drought tolerance phenotypes show enhanced tolerance across combinations of salinity and drought treatments. <i>Annals of Botany</i> , 2019 , 124, 653-674	4.1	16
31	Stem growth characteristics of high yielding correlate with yield, development and intraspecific competition within plots. <i>GCB Bioenergy</i> , 2019 , 11, 1075-1085	5.6	2
30	Breeding Strategies to Improve Miscanthus as a Sustainable Source of Biomass for Bioenergy and Biorenewable Products. <i>Agronomy</i> , 2019 , 9, 673	3.6	14
29	Genomic index selection provides a pragmatic framework for setting and refining multi-objective breeding targets in Miscanthus. <i>Annals of Botany</i> , 2019 , 124, 521-530	4.1	7
28	Characterization of phenology, physiology, morphology and biomass traits across a broad Euro-Mediterranean ecotypic panel of the lignocellulosic feedstock Arundo donax. <i>GCB Bioenergy</i> , 2019 , 11, 152-170	5.6	16
27	Breeding progress and preparedness for mass-scale deployment of perennial lignocellulosic biomass crops switchgrass, miscanthus, willow and poplar. <i>GCB Bioenergy</i> , 2019 , 11, 118-151	5.6	68
26	Assessing seed priming, sowing date, and mulch film to improve the germination and survival of direct-sown in the United Kingdom. <i>GCB Bioenergy</i> , 2018 , 10, 612-627	5.6	15
25	Can the optimisation of pop-up agriculture in remote communities help feed the world?. <i>Global Food Security</i> , 2018 , 18, 35-43	8.3	15

24	Using -NN to analyse images of diverse germination phenotypes and detect single seed germination in. <i>Plant Methods</i> , 2018 , 14, 5	5.8	5
23	Genes and gene clusters related to genotype and drought-induced variation in saccharification potential, lignin content and wood anatomical traits in <i>Populus nigra</i> . <i>Tree Physiology</i> , 2018 , 38, 320-339 ^{4.2}		24
22	Environmental costs and benefits of growing for bioenergy in the UK. <i>GCB Bioenergy</i> , 2017 , 9, 489-507	5.6	131
21	The impact of soil salinity on the yield, composition and physiology of the bioenergy grass <i>Miscanthus giganteus</i> . <i>GCB Bioenergy</i> , 2017 , 9, 92-104	5.6	70
20	Phenomics analysis of drought responses in <i>Miscanthus</i> collected from different geographical locations. <i>GCB Bioenergy</i> , 2017 , 9, 78-91	5.6	18
19	Progress in upscaling <i>Miscanthus</i> biomass production for the European bio-economy with seed-based hybrids. <i>GCB Bioenergy</i> , 2017 , 9, 6-17	5.6	102
18	Genetic relationships between spring emergence, canopy phenology, and biomass yield increase the accuracy of genomic prediction in <i>Miscanthus</i> . <i>Journal of Experimental Botany</i> , 2017 , 68, 5093-5102	7	9
17	Towards combustion quality improvement: the role of flowering and senescence. <i>GCB Bioenergy</i> , 2017 , 9, 891-908	5.6	18
16	Review: Improving the Impact of Plant Science on Urban Planning and Design. <i>Buildings</i> , 2016 , 6, 48	3.2	16
15	Land use change from C3 grassland to C4 <i>Miscanthus</i> : effects on soil carbon content and estimated mitigation benefit after six years. <i>GCB Bioenergy</i> , 2014 , 6, 360-370	5.6	67
14	Genome-wide association studies and prediction of 17 traits related to phenology, biomass and cell wall composition in the energy grass <i>Miscanthus sinensis</i> . <i>New Phytologist</i> , 2014 , 201, 1227-1239	9.8	80
13	Screening for potential co-products in a <i>Miscanthus sinensis</i> mapping family by liquid chromatography with mass spectrometry detection. <i>Phytochemistry</i> , 2014 , 105, 186-96	4	8
12	Breeding <i>Miscanthus</i> for Bioenergy 2013 , 67-81		6
11	Contrasting geographic patterns of genetic variation for molecular markers vs. phenotypic traits in the energy grass <i>Miscanthus sinensis</i> . <i>GCB Bioenergy</i> , 2013 , 5, 562-571	5.6	25
10	Accelerating the domestication of a bioenergy crop: identifying and modelling morphological targets for sustainable yield increase in <i>Miscanthus</i> . <i>Journal of Experimental Botany</i> , 2013 , 64, 4143-55	7	57
9	Flowering induction in the bioenergy grass <i>Miscanthus sacchariflorus</i> is a quantitative short-day response, whilst delayed flowering under long days increases biomass accumulation. <i>Journal of Experimental Botany</i> , 2013 , 64, 541-52	7	41
8	Physiological and growth responses to water deficit in the bioenergy crop <i>Miscanthus x giganteus</i> . <i>Frontiers in Plant Science</i> , 2013 , 4, 468	6.2	57
7	Variation in canopy duration in the perennial biofuel crop <i>Miscanthus</i> reveals complex associations with yield. <i>Journal of Experimental Botany</i> , 2013 , 64, 2373-83	7	32

6	Phenotypic Variation in Senescence in Miscanthus: Towards Optimising Biomass Quality and Quantity. <i>Bioenergy Research</i> , 2012 , 5, 95-105	3.1	54
5	Food vs. fuel: the use of land for lignocellulosic next generation energy crops that minimize competition with primary food production. <i>GCB Bioenergy</i> , 2012 , 4, 1-19	5.6	196
4	Thermal requirements for seed germination in Miscanthus compared with Switchgrass (<i>Panicum virgatum</i>), Reed canary grass (<i>Phalaris arundinaceae</i>), Maize (<i>Zea mays</i>) and perennial ryegrass (<i>Lolium perenne</i>). <i>GCB Bioenergy</i> , 2011 , 3, 375-386	5.6	27
3	A flexible quantitative methodology for the analysis of gene-flow between conventionally bred maize populations using microsatellite markers. <i>Theoretical and Applied Genetics</i> , 2011 , 122, 819-29	6	
2	Bioinformatics in the orphan crops. <i>Briefings in Bioinformatics</i> , 2009 , 10, 645-53	13.4	27
1	Transgene-mediated auxin overproduction in Arabidopsis: hypocotyl elongation phenotype and interactions with the hy6-1 hypocotyl elongation and axr1 auxin-resistant mutants. <i>Plant Molecular Biology</i> , 1995 , 27, 1071-83	4.6	138