

# Helen Bramley

## List of Publications by Year in descending order

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45  
papers

2,943  
citations

393982

19  
h-index

301761

39  
g-index

47  
all docs

47  
docs citations

47  
times ranked

4023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Stress in Wheat during Reproductive and Grain-Filling Phases. <i>Critical Reviews in Plant Sciences</i> , 2011, 30, 491-507.	2.7	686
2	Plant aquaporins: multifunctional water and solute channels with expanding roles. <i>Plant, Cell and Environment</i> , 2002, 25, 173-194.	2.8	536
3	Neglecting legumes has compromised human health and sustainable food production. <i>Nature Plants</i> , 2016, 2, 16112.	4.7	529
4	Roles of Morphology, Anatomy, and Aquaporins in Determining Contrasting Hydraulic Behavior of Roots. <i>Plant Physiology</i> , 2009, 150, 348-364.	2.3	194
5	Can elevated CO <sub>2</sub> combined with high temperature ameliorate the effect of terminal drought in wheat?. <i>Functional Plant Biology</i> , 2013, 40, 160.	1.1	90
6	Water Flow in the Roots of Crop Species: The Influence of Root Structure, Aquaporin Activity, and Waterlogging. <i>Advances in Agronomy</i> , 2007, 96, 133-196.	2.4	71
7	Exploring high temperature responses of photosynthesis and respiration to improve heat tolerance in wheat. <i>Journal of Experimental Botany</i> , 2019, 70, 5051-5069.	2.4	63
8	High temperature reduces the positive effect of elevated CO <sub>2</sub> on wheat root system growth. <i>Field Crops Research</i> , 2014, 165, 71-79.	2.3	54
9	Comparison between gradient-dependent hydraulic conductivities of roots using the root pressure probe: the role of pressure propagations and implications for the relative roles of parallel radial pathways. <i>Plant, Cell and Environment</i> , 2007, 30, 861-874.	2.8	50
10	The contrasting influence of short-term hypoxia on the hydraulic properties of cells and roots of wheat and lupin. <i>Functional Plant Biology</i> , 2010, 37, 183.	1.1	49
11	The plasticity of the growth and proliferation of wheat root system under elevated CO <sub>2</sub> . <i>Plant and Soil</i> , 2014, 374, 963-976.	1.8	39
12	Floodwater infiltration through root channels on a sodic clay floodplain and the influence on a local tree species <i>Eucalyptus largiflorens</i> . <i>Plant and Soil</i> , 2003, 253, 275-286.	1.8	37
13	Non-invasive pressure probes magnetically clamped to leaves to monitor the water status of wheat. <i>Plant and Soil</i> , 2013, 369, 257-268.	1.8	37
14	Dynamics in plant roots and shoots minimize stress, save energy and maintain water and nutrient uptake. <i>New Phytologist</i> , 2020, 225, 1111-1119.	3.5	37
15	Contrasting stomatal regulation and leaf ABA concentrations in wheat genotypes when split root systems were exposed to terminal drought. <i>Field Crops Research</i> , 2014, 162, 77-86.	2.3	36
16	Profligate and conservative: water use strategies in grain legumes. <i>Journal of Experimental Botany</i> , 2018, 69, 349-369.	2.4	26
17	Water Use Efficiency. , 2013, , 225-268.		24
18	Osmotic potential at full turgor: an easily measurable trait to help breeders select for drought tolerance in wheat. <i>Plant Breeding</i> , 2016, 135, 279-285.	1.0	24

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19	Elevated CO <sub>2</sub> Reduced Floret Death in Wheat Under Warmer Average Temperatures and Terminal Drought. <i>Frontiers in Plant Science</i> , 2015, 6, 1010.	1.7	21
20	Root biomass in the upper layer of the soil profile is related to the stomatal response of wheat as the soil dries. <i>Functional Plant Biology</i> , 2016, 43, 62.	1.1	21
21	Genetic Contribution of Emmer Wheat ( <i>Triticum dicoccon</i> Schrank) to Heat Tolerance of Bread Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 1529.	1.7	20
22	Acclimation of leaf photosynthesis and respiration to warming in field-grown wheat. <i>Plant, Cell and Environment</i> , 2021, 44, 2331-2346.	2.8	19
23	Root growth of lupins is more sensitive to waterlogging than wheat. <i>Functional Plant Biology</i> , 2011, 38, 910.	1.1	18
24	Response of wheat restricted tillering and vigorous growth traits to variables of climate change. <i>Global Change Biology</i> , 2015, 21, 857-873.	4.2	18
25	A strategy of ideotype development for heat-tolerant wheat. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 229-241.	1.7	18
26	Root Water Transport Under Waterlogged Conditions and the Roles of Aquaporins. , 2010, , 151-180.		16
27	Stomatal behaviour under terminal drought affects post-anthesis water use in wheat. <i>Functional Plant Biology</i> , 2017, 44, 279.	1.1	16
28	Reprint of "Contrasting stomatal regulation and leaf ABA concentrations in wheat genotypes when split root systems were exposed to terminal drought". <i>Field Crops Research</i> , 2014, 165, 5-14.	2.3	12
29	Emmer wheat ( <i>Triticum dicoccon</i> Schrank) improves water use efficiency and yield of hexaploid bread wheat. <i>Plant Science</i> , 2020, 295, 110212.	1.7	12
30	Simultaneous recording of diurnal changes in leaf turgor pressure and stem water status of bread wheat reveal variation in hydraulic mechanisms in response to drought. <i>Functional Plant Biology</i> , 2015, 42, 1001.	1.1	11
31	Soil Water Extraction Monitored Per Plot Across a Field Experiment Using Repeated Electromagnetic Induction Surveys. <i>Soil Systems</i> , 2018, 2, 11.	1.0	11
32	Wheat respiratory O <sub>2</sub> consumption falls with night warming alongside greater respiratory CO <sub>2</sub> loss and reduced biomass. <i>Journal of Experimental Botany</i> , 2022, 73, 915-926.	2.4	11
33	Stomata coordinate with plant hydraulics to regulate transpiration response to vapour pressure deficit in wheat. <i>Functional Plant Biology</i> , 2021, 48, 839-850.	1.1	10
34	Water Deficits: Development. , 2014, , 522-525.		10
35	Wheat photosystem II heat tolerance responds dynamically to short- and long-term warming. <i>Journal of Experimental Botany</i> , 2022, 73, 3268-3282.	2.4	10
36	The impact of emmer genetic diversity on grain protein content and test weight of hexaploid wheat under high temperature stress. <i>Journal of Cereal Science</i> , 2020, 95, 103052.	1.8	8

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37	Wheat photosystem <scp>II</scp> heat tolerance: evidence for genotypeâ€byâ€environment interactions. <i>Plant Journal</i> , 2022, 111, 1368-1382.	2.8	8
38	Physiology of the Yield Under Drought: Lessons from Studies with Lupin. , 2012, , 417-440.		7
39	Improving water transport for carbon gain in crops. , 2015, , 251-281.		6
40	Regional impacts of climate change on agriculture and the role of adaptation.. , 2014, , 78-97.		6
41	ADVANCED PLANT-BASED, INTERNET-SENSOR TECHNOLOGY GIVES NEW INSIGHTS INTO HYDRAULIC PLANT FUNCTIONING. <i>Acta Horticulturae</i> , 2013, , 313-320.	0.1	5
42	Implications of emmer ( <i>Triticum dicoccon</i> Schrank) introgression on bread wheat response to heat stress. <i>Plant Science</i> , 2021, 304, 110738.	1.7	5
43	The genetics of vigour-related traits in chickpea ( <i>Cicer arietinum</i> L.): insights from genomic data. <i>Theoretical and Applied Genetics</i> , 2021, 135, 107.	1.8	4
44	The Physiological Basis of Improved Heat Tolerance in Selected Emmer-Derived Hexaploid Wheat Genotypes. <i>Frontiers in Plant Science</i> , 2021, 12, 739246.	1.7	3
45	Morpho-physiological responses of diverse emmer wheat genotypes to terminal water stress. <i>Cereal Research Communications</i> , 0, , 1.	0.8	0