Helen Bramley

List of Publications by Year
in descending order

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	Wheat respiratory O2 consumption falls with night warming alongside greater respiratory CO2 loss and reduced biomass. Journal of Experimental Botany, 2022, 73, 915-926.	2.4	11
2	Wheat photosystem II heat tolerance responds dynamically to short- and long-term warming. Journal of Experimental Botany, 2022, 73, 3268-3282.	2.4	10
3	Wheat photosystem <scp>II</scp> heat tolerance: evidence for genotypeâ€byâ€environment interactions. Plant Journal, 2022, 111, 1368-1382.	2.8	8
4	Implications of emmer (Triticum dicoccon Schrank) introgression on bread wheat response to heat stress. Plant Science, 2021, 304, 110738.	1.7	5
5	Acclimation of leaf photosynthesis and respiration to warming in fieldâ€grown wheat. Plant, Cell and Environment, 2021, 44, 2331-2346.	2.8	19
6	Stomata coordinate with plant hydraulics to regulate transpiration response to vapour pressure deficit in wheat. Functional Plant Biology, 2021, 48, 839-850.	1.1	10
7	The genetics of vigour-related traits in chickpea (Cicer arietinum L.): insights from genomic data. Theoretical and Applied Genetics, 2021, 135, 107.	1.8	4
8	The Physiological Basis of Improved Heat Tolerance in Selected Emmer-Derived Hexaploid Wheat Genotypes. Frontiers in Plant Science, 2021, 12, 739246.	1.7	3
9	Dynamics in plant roots and shoots minimize stress, save energy and maintain water and nutrient uptake. New Phytologist, 2020, 225, 1111-1119.	3.5	37
10	Emmer wheat (Triticum dicoccon Schrank) improves water use efficiency and yield of hexaploid bread wheat. Plant Science, 2020, 295, 110212.	1.7	12
11	A strategy of ideotype development for heatâ€tolerant wheat. Journal of Agronomy and Crop Science, 2020, 206, 229-241.	1.7	18
12	The impact of emmer genetic diversity on grain protein content and test weight of hexaploid wheat under high temperature stress. Journal of Cereal Science, 2020, 95, 103052.	1.8	8
13	Exploring high temperature responses of photosynthesis and respiration to improve heat tolerance in wheat. Journal of Experimental Botany, 2019, 70, 5051-5069.	2.4	63
14	Profligate and conservative: water use strategies in grain legumes. Journal of Experimental Botany, 2018, 69, 349-369.	2.4	26
15	Genetic Contribution of Emmer Wheat (Triticum dicoccon Schrank) to Heat Tolerance of Bread Wheat. Frontiers in Plant Science, 2018, 9, 1529.	1.7	20
16	Soil Water Extraction Monitored Per Plot Across a Field Experiment Using Repeated Electromagnetic Induction Surveys. Soil Systems, 2018, 2, 11.	1.0	11
17	Stomatal behaviour under terminal drought affects post-anthesis water use in wheat. Functional Plant Biology, 2017, 44, 279.	1.1	16
18	Osmotic potential at full turgor: an easily measurable trait to help breeders select for drought tolerance in wheat. Plant Breeding, 2016, 135, 279-285.	1.0	24

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19	Neglecting legumes has compromised human health and sustainable food production. Nature Plants, 2016, 2, 16112.	4.7	529
20	Root biomass in the upper layer of the soil profile is related to the stomatal response of wheat as the soil dries. Functional Plant Biology, 2016, 43, 62.	1.1	21
21	Elevated CO2 Reduced Floret Death in Wheat Under Warmer Average Temperatures and Terminal Drought. Frontiers in Plant Science, 2015, 6, 1010.	1.7	21
22	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. Functional Plant Biology, 2015, 42, 1001.	1.1	11
23	Response of wheat restrictedâ€tillering and vigorous growth traits to variables of climate change. Global Change Biology, 2015, 21, 857-873.	4.2	18
24	Improving water transport for carbon gain in crops. , 2015, , 251-281.		6
25	The plasticity of the growth and proliferation of wheat root system under elevated CO2. Plant and Soil, 2014, 374, 963-976.	1.8	39
26	High temperature reduces the positive effect of elevated CO2 on wheat root system growth. Field Crops Research, 2014, 165, 71-79.	2.3	54
27	Reprint of â€œContrasting stomatal regulation and leaf ABA concentrations in wheat genotypes when split root systems were exposed to terminal droughtâ€. Field Crops Research, 2014, 165, 5-14.	2.3	12
28	Contrasting stomatal regulation and leaf ABA concentrations in wheat genotypes when split root systems were exposed to terminal drought. Field Crops Research, 2014, 162, 77-86.	2.3	36
29	Regional impacts of climate change on agriculture and the role of adaptation.. , 2014, , 78-97.		6
30	Water Deficits: Development. , 2014, , 522-525.		10
31	Non-invasive pressure probes magnetically clamped to leaves to monitor the water status of wheat. Plant and Soil, 2013, 369, 257-268.	1.8	37
32	Water Use Efficiency. , 2013, , 225-268.		24
33	Can elevated CO2 combined with high temperature ameliorate the effect of terminal drought in wheat?. Functional Plant Biology, 2013, 40, 160.	1.1	90
34	ADVANCED PLANT-BASED, INTERNET-SENSOR TECHNOLOGY GIVES NEW INSIGHTS INTO HYDRAULIC PLANT FUNCTIONING. Acta Horticulturae, 2013, , 313-320.	0.1	5
35	Physiology of the Yield Under Drought: Lessons from Studies with Lupin. , 2012, , 417-440.		7
36	Heat Stress in Wheat during Reproductive and Grain-Filling Phases. Critical Reviews in Plant Sciences, 2011, 30, 491-507.	2.7	686

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37	Root growth of lupins is more sensitive to waterlogging than wheat. Functional Plant Biology, 2011, 38, 910.	1.1	18
38	The contrasting influence of short-term hypoxia on the hydraulic properties of cells and roots of wheat and lupin. Functional Plant Biology, 2010, 37, 183.	1.1	49
39	Root Water Transport Under Waterlogged Conditions and the Roles of Aquaporins. , 2010, , 151-180.		16
40	Roles of Morphology, Anatomy, and Aquaporins in Determining Contrasting Hydraulic Behavior of Roots Â. Plant Physiology, 2009, 150, 348-364.	2.3	194
41	Water Flow in the Roots of Crop Species: The Influence of Root Structure, Aquaporin Activity, and Waterlogging. Advances in Agronomy, 2007, 96, 133-196.	2.4	71
42	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. Plant, Cell and Environment, 2007, 30, 861-874.	2.8	50
43	Floodwater infiltration through root channels on a sodic clay floodplain and the influence on a local tree species Eucalyptus largiflorens. Plant and Soil, 2003, 253, 275-286.	1.8	37
44	Plant aquaporins: multifunctional water and solute channels with expanding roles. Plant, Cell and Environment, 2002, 25, 173-194.	2.8	536
45	Morpho-physiological responses of diverse emmer wheat genotypes to terminal water stress. Cereal Research Communications, 0, , 1.	0.8	0