Delphine L Fleury

List of Publications by Citations

45 papers	2,378 citations	25 h-index	48 g-index
51 ext. papers	2,952 ext. citations	6.8 avg, IF	4.8 L-index

#	Paper	IF	Citations
45	Genetic and genomic tools to improve drought tolerance in wheat. *Journal of Experimental Botany*, **2010**, 61, 3211-22	7	360
44	ARABIDOPSIS TRITHORAX1 dynamically regulates FLOWERING LOCUS C activation via histone 3 lysine 4 trimethylation. *Plant Cell*, **2008**, 20, 580-8	11.6	199
43	Making the most of ‘omics’ for crop breeding. *Trends in Biotechnology*, **2011**, 29, 33-40	15.1	166
42	Hybrid breeding in wheat: technologies to improve hybrid wheat seed production. *Journal of Experimental Botany*, **2013**, 64, 5411-28	7	157
41	The elongata mutants identify a functional Elongator complex in plants with a role in cell proliferation during organ growth. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 7754-9	11.5	132
40	The Arabidopsis thaliana homolog of yeast BRE1 has a function in cell cycle regulation during early leaf and root growth. *Plant Cell*, **2007**, 19, 417-32	11.6	123
39	Plant Elongator regulates auxin-related genes during RNA polymerase II transcription elongation. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1678-83	11.5	98
38	Sequencing and assembly of low copy and genic regions of isolated Triticum aestivum chromosome arm 7DS. *Plant Biotechnology Journal*, **2011**, 9, 768-75	11.6	91
37	QTL analysis of photosynthesis and water status traits in sunflower (Helianthus annuus L.) under greenhouse conditions. *Journal of Experimental Botany*, **2001**, 52, 1857-64	7	83
36	The physiological and genetic basis of combined drought and heat tolerance in wheat. *Journal of Experimental Botany*, **2018**, 69, 3195-3210	7	81
35	Single nucleotide polymorphism discovery from wheat next-generation sequence data. *Plant Biotechnology Journal*, **2012**, 10, 743-9	11.6	80
34	The RON1/FRY1/SAL1 gene is required for leaf morphogenesis and venation patterning in Arabidopsis. *Plant Physiology*, **2010**, 152, 1357-72	6.6	68
33	Combining field performance with controlled environment plant imaging to identify the genetic control of growth and transpiration underlying yield response to water-deficit stress in wheat. *Journal of Experimental Botany*, **2015**, 66, 5481-92	7	56
32	Dispersion and domestication shaped the genome of bread wheat. *Plant Biotechnology Journal*, **2013**, 11, 564-71	11.6	55
31	Genetic association of stomatal traits and yield in wheat grown in low rainfall environments. *BMC Plant Biology*, **2016**, 16, 150	5.3	51
30	Asymmetric leaves2 and Elongator, a histone acetyltransferase complex, mediate the establishment of polarity in leaves of Arabidopsis thaliana. *Plant and Cell Physiology*, **2011**, 52, 1259-73	4.9	49
29	BAC library resources for map-based cloning and physical map construction in barley (Hordeum vulgare L.). *BMC Genomics*, **2011**, 12, 247	4.5	45

28	Mapping of novel salt tolerance QTL in an Excalibur Kukri doubled haploid wheat population. *Theoretical and Applied Genetics*, **2018**, 131, 2179-2196	6	39
27	Bread matters: a national initiative to profile the genetic diversity of Australian wheat. *Plant Biotechnology Journal*, **2012**, 10, 703-8	11.6	39
26	High resolution mapping of traits related to whole-plant transpiration under increasing evaporative demand in wheat. *Journal of Experimental Botany*, **2016**, 67, 2847-60	7	38
25	Genome-wide association mapping of grain yield in a diverse collection of spring wheat (Triticum aestivum L.) evaluated in southern Australia. *PLoS ONE*, **2019**, 14, e0211730	3.7	33
24	Transpiration Sensitivity to Evaporative Demand Across 120 Years of Breeding of Australian Wheat Cultivars. *Journal of Agronomy and Crop Science*, **2017**, 203, 219-226	3.9	30
23	Quantifying Wheat Sensitivities to Environmental Constraints to Dissect Genotype Environment Interactions in the Field. *Plant Physiology*, **2017**, 174, 1669-1682	6.6	27
22	Addition of rye chromosome 4R to wheat increases anther length and pollen grain number. *Theoretical and Applied Genetics*, **2015**, 128, 953-64	6	27
21	QTL analysis and fine mapping of a QTL for yield-related traits in wheat grown in dry and hot environments. *Theoretical and Applied Genetics*, **2020**, 133, 239-257	6	27
20	Drought and heat stress tolerance screening in wheat using computed tomography. *Plant Methods*, **2020**, 16, 15	5.8	25
19	A Comparison of Mainstream Genotyping Platforms for the Evaluation and Use of Barley Genetic Resources. *Frontiers in Plant Science*, **2019**, 10, 544	6.2	23
18	Clusters of genes encoding fructan biosynthesizing enzymes in wheat and barley. *Plant Molecular Biology*, **2012**, 80, 299-314	4.6	23
17	Novel Alleles for Combined Drought and Heat Stress Tolerance in Wheat. *Frontiers in Plant Science*, **2019**, 10, 1800	6.2	22
16	Genetic analysis of developmental and adaptive traits in three doubled haploid populations of barley (Hordeum vulgare L.). *Theoretical and Applied Genetics*, **2016**, 129, 1139-51	6	21
15	Optical and physical mapping with local finishing enables megabase-scale resolution of agronomically important regions in the wheat genome. *Genome Biology*, **2018**, 19, 112	18.3	18
14	Cytological investigations of the Arabidopsis thaliana elo1 mutant give new insights into leaf lateral growth and Elongator function. *Annals of Botany*, **2007**, 100, 261-70	4.1	18
13	Effects of Rht-B1 and Ppd-D1 loci on pollinator traits in wheat. *Theoretical and Applied Genetics*, **2019**, 132, 1965-1979	6	15
12	Physical mapping of a large plant genome using global high-information-content-fingerprinting: the distal region of the wheat ancestor Aegilops tauschii chromosome 3DS. *BMC Genomics*, **2010**, 11, 382	4.5	10
11	Tolerance of Combined Drought and Heat Stress Is Associated With Transpiration Maintenance and Water Soluble Carbohydrates in Wheat Grains. *Frontiers in Plant Science*, **2020**, 11, 568693	6.2	9

10	Identification of salt tolerance QTL in a wheat RIL mapping population using destructive and non-destructive phenotyping. *Functional Plant Biology*, **2021**, 48, 131-140	2.7	9
9	Computational Identification and Comparative Analysis of miRNAs in Wheat Group 7 Chromosomes. *Plant Molecular Biology Reporter*, **2014**, 32, 487-500	1.7	8
8	Quantitative trait loci for yield and grain plumpness relative to maturity in three populations of barley (Hordeum vulgare L.) grown in a low rain-fall environment. *PLoS ONE*, **2017**, 12, e0178111	3.7	7
7	Development of an Australian Bread Wheat Nested Association Mapping Population, a New Genetic Diversity Resource for Breeding under Dry and Hot Climates. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
6	QTL and association mapping for plant abiotic stress tolerance **2014**, 257-287		3
5	Transcripts of wheat at a target locus on chromosome 6B associated with increased yield, leaf mass and chlorophyll index under combined drought and heat stress. *PLoS ONE*, **2020**, 15, e0241966	3.7	3
4	Rindsel: an R package for phenotypic and molecular selection indices used in plant breeding. *Methods in Molecular Biology*, **2014**, 1145, 87-96	1.4	2
3	The wheat Seven in absentia gene is associated with increases in biomass and yield in hot climates. *Journal of Experimental Botany*, **2021**, 72, 3774-3791	7	2
2	Plant genome sequencing: Models for developing synteny maps and association mapping **2012**, 83-97		1
1	The wheat Seven in Absentia gene is associated with increases in biomass and yield in hot climates		1