Marta Lopes

List of Publications by Year
in descending order

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42 papers	4,880 citations	201674 27 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	4728 citing authors

#	Article	IF	Citations
1	Genome-wide comparative diversity uncovers multiple targets of selection for improvement in hexaploid wheat landraces and cultivars. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8057-8062.	7.1	1,065
2	Genome-wide association study for grain yield and related traits in an elite spring wheat population grown in temperate irrigated environments. Theoretical and Applied Genetics, 2015, 128, 353-363.	3.6	400
3	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. Journal of Experimental Botany, 2015, 66, 3477-3486.	4.8	356
4	Partitioning of assimilates to deeper roots is associated with cooler canopies and increased yield under drought in wheat. Functional Plant Biology, 2010, 37, 147.	2.1	347
5	Genome-wide association mapping of yield and yield components of spring wheat under contrasting moisture regimes. Theoretical and Applied Genetics, 2014, 127, 791-807.	3.6	263
6	Stay-green in spring wheat can be determined by spectral reflectance measurements (normalized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3789-3798.	4.8	255
7	Enhancing drought tolerance in C4 crops. Journal of Experimental Botany, 2011, 62, 3135-3153.	4.8	238
8	Genetic characterization of the wheat association mapping initiative (WAMI) panel for dissection of complex traits in spring wheat. Theoretical and Applied Genetics, 2015, 128, 453-464.	3.6	177
9	Gene expression, cellular localisation and function of glutamine synthetase isozymes in wheat (Triticum aestivum L.). Plant Molecular Biology, 2008, 67, 89-105.	3.9	172
10	Genetic Yield Gains and Changes in Associated Traits of CIMMYT Spring Bread Wheat in a â€œHistoricâ€•Set Representing 30 Years of Breeding. Crop Science, 2012, 52, 1123-1131.	1.8	171
11	Genetic analysis of multi-environmental spring wheat trials identifies genomic regions for locus-specific trade-offs for grain weight and grain number. Theoretical and Applied Genetics, 2018, 131, 985-998.	3.6	127
12	The yield correlations of selectable physiological traits in a population of advanced spring wheat lines grown in warm and drought environments. Field Crops Research, 2012, 128, 129-136.	5.1	125
13	QTL for yield and associated traits in the Seri/Babax population grown across several environments in Mexico, in the West Asia, North Africa, and South Asia regions. Theoretical and Applied Genetics, 2013, 126, 971-984.	3.6	119
14	Modelling and genetic dissection of staygreen under heat stress. Theoretical and Applied Genetics, 2016, 129, 2055-2074.	3.6	107
15	Nitrogen source and water regime effects on durum wheat photosynthesis and stable carbon and nitrogen isotope composition. Physiologia Plantarum, 2006, 126, 435-445.	5.2	78
16	Drought Adaptive Traits and Wide Adaptation in Elite Lines Derived from Resynthesized Hexaploid Wheat. Crop Science, 2011, 51, 1617-1626.	1.8	66
17	Genomeâ€Wide Association Study for Adaptation to Agronomic Plant Density: A Component of High Yield Potential in Spring Wheat. Crop Science, 2015, 55, 2609-2619.	1.8	60
18	Integration of phenotyping and genetic platforms for a better understanding of wheat performance under drought. Journal of Experimental Botany, 2014, 65, 6167-6177.	4.8	59

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19	Wheat nitrogen metabolism during grain filling: comparative role of glumes and the flag leaf. Planta, 2006, 225, 165-181.	3.2	57
20	Genomic Prediction with Pedigree and Genotype Ã— Environment Interaction in Spring Wheat Grown in South and West Asia, North Africa, and Mexico. G3: Genes, Genomes, Genetics, 2017, 7, 481-495.	1.8	56
21	An integrated framework reinstating the environmental dimension for GWAS and genomic selection in crops. Molecular Plant, 2021, 14, 874-887.	8.3	56
22	Nitrogen source and water regime effects on barley photosynthesis and isotope signature. Functional Plant Biology, 2004, 31, 995.	2.1	54
23	Identification of Earliness Per Se Flowering Time Locus in Spring Wheat through a Genomeâ€Wide Association Study. Crop Science, 2016, 56, 2962-2672.	1.8	53
24	Climate impact and adaptation to heat and drought stress of regional and global wheat production. Environmental Research Letters, 2021, 16, 054070.	5.2	52
25	Association Mapping and Nucleotide Sequence Variation in Five Drought Tolerance Candidate Genes in Spring Wheat. Plant Genome, 2013, 6, plantgenome2013.04.0010.	2.8	45
26	Acclimation to high CO₂ in maize is related to water status and dependent on leaf rank. Plant, Cell and Environment, 2011, 34, 314-331.	5.7	33
27	Comparative genomic and physiological analysis of nutrient response to , : and in barley seedlings. Physiologia Plantarum, 2008, 134, 134-150.	5.2	25
28	Predicting wheat maturity and stayâ€“green parameters by modeling spectral reflectance measurements and their contribution to grain yield under rainfed conditions. Field Crops Research, 2016, 196, 191-198.	5.1	24
29	Allelic Variation at the Vernalization Response (Vrn-1) and Photoperiod Sensitivity (Ppd-1) Genes and Their Association With the Development of Durum Wheat Landraces and Modern Cultivars. Frontiers in Plant Science, 2020, 11, 838.	3.6	24
30	Transgenic solutions to increase yield and stability in wheat: shining hope or flash in the pan?. Journal of Experimental Botany, 2019, 70, 1419-1424.	4.8	23
31	Molecular and physiological mechanisms associated with root exposure to mercury in barley. Metallomics, 2013, 5, 1305.	2.4	22
32	Traits associated with winter wheat grain yield in Central and West Asia. Journal of Integrative Plant Biology, 2014, 56, 673-683.	8.5	21
33	Optimizing Winter Wheat Resilience to Climate Change in Rain Fed Crop Systems of Turkey and Iran. Frontiers in Plant Science, 2018, 9, 563.	3.6	18
34	A unique race of the wheat stem rust pathogen with virulence on Sr31 identified in Spain and reaction of wheat and durum cultivars to this race. Plant Pathology, 2022, 71, 873-889.	2.4	17
35	Will temperature and rainfall changes prevent yield progress in Europe?. Food and Energy Security, 2022, 11, .	4.3	15
36	Genetic Diversity and Population Structure Analysis of Triticum aestivum L. Landrace Panel from Afghanistan. Genes, 2021, 12, 340.	2.4	14

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37	Unravelling the relationship between adaptation pattern and yield formation strategies in Mediterranean durum wheat landraces. European Journal of Agronomy, 2019, 107, 43-52.	4.1	13
38	Comparison of Genomic Prediction Methods for Yellow, Stem, and Leaf Rust Resistance in Wheat Landraces from Afghanistan. Plants, 2021, 10, 558.	3.5	11
39	Identification of Quantitative Trait Loci Hotspots Affecting Agronomic Traits and High-Throughput Vegetation Indices in Rainfed Wheat. Frontiers in Plant Science, 2021, 12, 735192.	3.6	6
40	KIT D816V Positive Acute Mast Cell Leukemia Associated with Normal Karyotype Acute Myeloid Leukemia. Case Reports in Hematology, 2018, 2018, 1-16.	0.4	2
41	Multi-environment QTL analysis using an updated genetic map of a widely distributed Seriâ€‰Ã—â€‰Babax spring wheat population. Molecular Breeding, 2019, 39, 1.	2.1	2
42	Peer review report 2 On â€œProximal NDVI derived phenology improves in-season predictions of wheat quantity and qualityâ€• Agricultural and Forest Meteorology, 2016, 217, 111.	4.8	0