Maria Elena Benavente Barzana

List of Publications by Year
in descending order

30 papers	835 citations	567281 15 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	884 citing authors

#	Article	IF	Citations
1	Worldwide Research Trends on Wheat and Barley: A Bibliometric Comparative Analysis. Agronomy, 2019, 9, 352.	3.0	266
2	Environmental niche variation and evolutionary diversification of the <i>Brachypodium distachyon</i> grass complex species in their native circumâ€Mediterranean range. American Journal of Botany, 2015, 102, 1073-1088.	1.7	73
3	Association between simple sequence repeat-rich chromosome regions and intergenomic translocation breakpoints in natural populations of allopolyploid wild wheats. Annals of Botany, 2011, 107, 65-76.	2.9	57
4	Detection of intergenomic chromosome rearrangements in irradiated<i>Triticum aestivum</i>Ââ€“<i>Aegilops biuncialis</i>amphiploids by multicolour genomic in situ hybridization. Genome, 2009, 52, 156-165.	2.0	44
5	Relationship between the levels of wheat-rye metaphase I chromosomal pairing and recombination revealed by GISH. Chromosoma, 1996, 105, 92-96.	2.2	34
6	Genomic analysis of Spanish wheat landraces reveals their variability and potential for breeding. BMC Genomics, 2020, 21, 122.	2.8	30
7	Population Structure in the Model Grass <i>Brachypodium distachyon</i> Is Highly Correlated with Flowering Differences across Broad Geographic Areas. Plant Genome, 2016, 9, plantgenome2015.08.0074.	2.8	29
8	Are neopolyploids a likely route for a transgene walk to the wild? The Aegilops ovataâ€ƒÃ—â€ƒTriticum turgidum durum case. Biological Journal of the Linnean Society, 2004, 82, 503-510.	1.6	28
9	Wheat-alien metaphase I pairing of individual wheat genomes and D genome chromosomes in interspecific hybrids between Triticum aestivum L. and Aegilops geniculata Roth. Theoretical and Applied Genetics, 2009, 119, 805-813.	3.6	27
10	Validation of microsatellite markers for cytotype discrimination in the model grass <i>Brachypodium distachyon</i>. Genome, 2012, 55, 523-527.	2.0	26
11	Meiotic pairing in wheat-rye derivatives detected by genomic in situ hybridization and C-banding ? A comparative analysis. Chromosoma, 1995, 103, 554-558.	2.2	25
12	A cytomolecular approach to assess the potential of gene transfer from a crop (Triticum turgidum L.) to a wild relative (Aegilops geniculata Roth.). Theoretical and Applied Genetics, 2006, 112, 657-664.	3.6	24
13	Meiotic pairing in wheat-rye derivatives detected by genomic in situ hybridization and C-banding ? A comparative analysis. Chromosoma, 1995, 103, 554-558.	2.2	22
14	Modern Approaches for the Genetic Improvement of Rice, Wheat and Maize for Abiotic Constraints-Related Traits: A Comparative Overview. Agronomy, 2021, 11, 376.	3.0	20
15	Allelic Variation for Prolamins in Spanish Durum Wheat Landraces and Its Relationship with Quality Traits. Agronomy, 2020, 10, 136.	3.0	18
16	Pairing competition between identical and homologous chromosomes in autotetraploid rye heterozygous for interstitial C-bands. Chromosoma, 1989, 98, 225-232.	2.2	14
17	Complete characterization of wheatâ€“alien metaphase I pairing in interspecific hybrids between durum wheat (Triticum turgidum L.) and jointed goatgrass (Aegilops cylindrica Host). Theoretical and Applied Genetics, 2009, 118, 1609-1616.	3.6	14
18	Yield and Quality Performance of Traditional and Improved Bread and Durum Wheat Varieties under Two Conservation Tillage Systems. Sustainability, 2019, 11, 4522.	3.2	14

#	Article	IF	Citations
19	The Mode and Regulation of Chromosome Pairing in Wheatâ€“Alien Hybrids (Ph Genes, an Updated View). , 2015, , 133-162.		12
20	Exploring the End-Use Quality Potential of a Collection of Spanish Bread Wheat Landraces. Plants, 2021, 10, 620.	3.5	11
21	Meiotic pairing of specific chromosome arms in triploid rye. Genome, 1984, 26, 717-722.	0.7	8
22	Pairing competition between metacentric and telocentric chromosomes in autotetraploid rye. Heredity, 1989, 62, 327-334.	2.6	8
23	Use of thermographic imaging to screen for drought-tolerant genotypes in Brachypodium distachyon. Crop and Pasture Science, 2016, 67, 99.	1.5	6
24	Grain mineral density of bread and durum wheat landraces from geochemically diverse native soils. Crop and Pasture Science, 2018, 69, 335.	1.5	6
25	Evidence for preferential pairing in telotrisomic plants of rye. Heredity, 1985, 55, 181-186.	2.6	5
26	On the influence of decreased chiasma frequency on preferential MI pairing behaviour of rye chromosomes in wheat-rye derivatives. Chromosoma, 1992, 101, 365-373.	2.2	5
27	Development and validation of chloroplast DNA markers to assist Aegilops geniculata and Aegilops neglecta germplasm management. Genetic Resources and Crop Evolution, 2016, 63, 401-407.	1.6	4
28	Neutral molecular markers support common origin of aluminium tolerance in three congeneric grass species growing in acidic soils. AoB PLANTS, 2017, 9, plx060.	2.3	3
29	An F2 Barley Population as a Tool for Teaching Mendelian Genetics. Plants, 2021, 10, 694.	3.5	2
30	Genetic diversity of ribosomal loci (5S and 45S rDNA) and pSc119.2 repetitive DNA sequence among four species of Aegilops (Poaceae) from Algeria. Ukrainian Botanical Journal, 2021, 78, 414-425.	0.4	0