MarÃ-a-Dolores Rey

List of Publications by Year
in descending order

30 papers	1,568 citations	567281 15 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	2065 citing authors

#	Article	IF	Citations
1	Speed breeding is a powerful tool to accelerate crop research and breeding. Nature Plants, 2018, 4, 23-29.	9.3	770
2	Exploiting the ZIP4 homologue within the wheat Ph1 locus has identified two lines exhibiting homoeologous crossover in wheat-wild relative hybrids. Molecular Breeding, 2017, 37, 95.	2.1	126
3	Dual effect of the wheat Ph1 locus on chromosome synapsis and crossover. Chromosoma, 2017, 126, 669-680.	2.2	108
4	Magnesium Increases Homoeologous Crossover Frequency During Meiosis in ZIP4 (Ph1 Gene) Mutant Wheat-Wild Relative Hybrids. Frontiers in Plant Science, 2018, 9, 509.	3.6	96
5	Subtelomeric assembly of a multi-gene pathway for antimicrobial defense compounds in cereals. Nature Communications, 2021, 12, 2563.	12.8	51
6	The subtelomeric region is important for chromosome recognition and pairing during meiosis. Scientific Reports, 2014, 4, 6488.	3.3	39
7	The use of the ph1b mutant to induce recombination between the chromosomes of wheat and barley. Frontiers in Plant Science, 2015, 6, 160.	3.6	36
8	Identification and comparison of individual chromosomes of three accessions ofHordeum chilense,Hordeum vulgare, andTriticum aestivumby FISH. Genome, 2018, 61, 387-396.	2.0	32
9	Ion Torrent and Illumina, two complementary RNA-seq platforms for constructing the holm oak (Quercus ilex) transcriptome. PLoS ONE, 2019, 14, e0210356.	2.5	28
10	PseudomonasfluorescensPICF7 displays an endophytic lifestyle in cultivated cereals and enhances yield in barley. FEMS Microbiology Ecology, 2016, 92, fiw092.	2.7	25
11	Dmc1 is a candidate for temperature tolerance during wheat meiosis. Theoretical and Applied Genetics, 2020, 133, 809-828.	3.6	23
12	Effect and Response of Quercus ilex subsp. ballota [Desf.] Samp. Seedlings From Three Contrasting Andalusian Populations to Individual and Combined Phytophthora cinnamomi and Drought Stresses. Frontiers in Plant Science, 2021, 12, 722802.	3.6	23
13	Novel Bread Wheat Lines Enriched in Carotenoids Carrying Hordeum chilense Chromosome Arms in the ph1b Background. PLoS ONE, 2015, 10, e0134598.	2.5	23
14	Proteomics, Holm Oak (Quercus ilex L.) and Other Recalcitrant and Orphan Forest Tree Species: How do They See Each Other?. International Journal of Molecular Sciences, 2019, 20, 692.	4.1	20
15	Responses and Differences in Tolerance to Water Shortage under Climatic Dryness Conditions in Seedlings from Quercus spp. and Andalusian Q. ilex Populations. Forests, 2020, 11, 707.	2.1	19
16	Detection of alien genetic introgressions in bread wheat using dot-blot genomic hybridisation. Molecular Breeding, 2017, 37, 32.	2.1	18
17	Molecular Research on Stress Responses in Quercus spp.: From Classical Biochemistry to Systems Biology through Omics Analysis. Forests, 2021, 12, 364.	2.1	18
18	Mapping the â€˜breakerâ€™ element of the gametocidal locus proximal to a block of sub-telomeric heterochromatin on the long arm of chromosome 4Ssh of Aegilops sharonensis. Theoretical and Applied Genetics, 2015, 128, 1049-1059.	3.6	15

#	Article	IF	Citations
19	Homoeologous Chromosomes From Two Hordeum Species Can Recognize and Associate During Meiosis in Wheat in the Presence of the Ph1 Locus. Frontiers in Plant Science, 2018, 9, 585.	3.6	14
20	Proteomics Data Analysis for the Identification of Proteins and Derived Proteotypic Peptides of Potential Use as Putative Drought Tolerance Markers for Quercus ilex. International Journal of Molecular Sciences, 2021, 22, 3191.	4.1	13
21	Changes in the transcript and protein profiles of Quercus ilex seedlings in response to drought stress. Journal of Proteomics, 2021, 243, 104263.	2.4	13
22	Untargeted MS-Based Metabolomics Analysis of the Responses to Drought Stress in Quercus ilex L. Leaf Seedlings and the Identification of Putative Compounds Related to Tolerance. Forests, 2022, 13, 551.	2.1	13
23	Combining P and Zn fertilization to enhance yield and grain quality in maize grown on Mediterranean soils. Scientific Reports, 2021, 11, 7427.	3.3	12
24	Recent Advances in MS-Based Plant Proteomics: Proteomics Data Validation Through Integration with Other Classic and -Omics Approaches. Progress in Botany Fortschritte Der Botanik, 2019, , 77-101.	0.3	6
25	Wheat, Rye, and Barley Genomes Can Associate during Meiosis in Newly Synthesized Trigeneric Hybrids. Plants, 2021, 10, 113.	3.5	6
26	Specific Protein Database Creation from Transcriptomics Data in Nonmodel Species: Holm Oak (Quercus ilex L.). Methods in Molecular Biology, 2020, 2139, 57-68.	0.9	3
27	Dynamics of DNA Replication during Premeiosis and Early Meiosis in Wheat. PLoS ONE, 2014, 9, e107714.	2.5	3
28	Identification of Proteases and Protease Inhibitors in Seeds of the Recalcitrant Forest Tree Species Quercus ilex. Frontiers in Plant Science, 0, 13, .	3.6	3
29	Intergenomic Crossover Formation in Newly Synthesized Trigeneric Hybrids Involving Wheat, Rye and Barley. Biology and Life Sciences Forum, 2021, 4, 24.	0.6	0
30	Population genetic structure and dispersal of Pinus occidentalis in the Dominican Republic by chloroplastic SSR, with implications for its conservation, management, and reforestation. Canadian Journal of Forest Research, 2022, 52, 553-560.	1.7	0