Dolors Villegas

List of Publications by Year
in descending order

62 papers	3,768 citations	109137 35 h-index	133063 59 g-index
62 all docs	62 docs citations	62 times ranked	2949 citing authors

#	Article	IF	Citations
1	A unique race of the wheat stem rust pathogen with virulence on <i>Sr31</i> identified in Spain and reaction of wheat and durum cultivars to this race. Plant Pathology, 2022, 71, 873-889.	1.2	17
2	Barberry plays an active role as an alternate host of <i>Puccinia graminis</i> in Spain. Plant Pathology, 2022, 71, 1174-1184.	1.2	6
3	Plant Breeding and Management Strategies to Minimize the Impact of Water Scarcity and Biotic Stress in Cereal Crops under Mediterranean Conditions. Agronomy, 2022, 12, 75.	1.3	9
4	Wheat Stem Rust Back in Europe: Diversity, Prevalence and Impact on Host Resistance. Frontiers in Plant Science, 2022, 13, .	1.7	26
5	Two Indigenous <i>Berberis</i> Species From Spain Were Confirmed as Alternate Hosts of the Yellow Rust Fungus <i>Puccinia striiformis</i> f. sp. <i>tritici</i>. Plant Disease, 2021, 105, 2281-2285.	0.7	7
6	Using Unmanned Aerial Vehicle and Ground-Based RGB Indices to Assess Agronomic Performance of Wheat Landraces and Cultivars in a Mediterranean-Type Environment. Remote Sensing, 2021, 13, 1187.	1.8	6
7	Agronomic, Physiological and Genetic Changes Associated With Evolution, Migration and Modern Breeding in Durum Wheat. Frontiers in Plant Science, 2021, 12, 674470.	1.7	15
8	Effect of allele combinations at <i>Ppdâ€•1</i> loci on durum wheat grain filling at contrasting latitudes. Journal of Agronomy and Crop Science, 2020, 206, 64-75.	1.7	16
9	Agronomic performance of durum wheat landraces and modern cultivars and its association with genotypic variation in vernalization response (Vrn-1) and photoperiod sensitivity (Ppd-1) genes. European Journal of Agronomy, 2020, 120, 126129.	1.9	23
10	The Effect of Photoperiod Genes and Flowering Time on Yield and Yield Stability in Durum Wheat. Plants, 2020, 9, 1723.	1.6	8
11	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.	1.7	24
12	Phytoene synthase 1 (Psy-1) and lipoxygenase 1 (Lpx-1) Genes Influence on Semolina Yellowness in Wheat Mediterranean Germplasm. International Journal of Molecular Sciences, 2020, 21, 4669.	1.8	8
13	Unravelling the relationship between adaptation pattern and yield formation strategies in Mediterranean durum wheat landraces. European Journal of Agronomy, 2019, 107, 43-52.	1.9	13
14	Managing Drylands for Sustainable Agriculture. , 2019, , 529-556.		1
15	Effect of Ppd-1 photoperiod sensitivity genes on dry matter production and allocation in durum wheat. Field Crops Research, 2018, 221, 358-367.	2.3	37
16	Pasta-Making Quality QTLome From Mediterranean Durum Wheat Landraces. Frontiers in Plant Science, 2018, 9, 1512.	1.7	30
17	Durum Wheat Landraces from East and West Regions of the Mediterranean Basin Are Genetically Distinct for Yield Components and Phenology. Frontiers in Plant Science, 2018, 9, 80.	1.7	51
18	Effect of Ppd-A1 and Ppd-B1 Allelic Variants on Grain Number and Thousand Kernel Weight of Durum Wheat and Their Impact on Final Grain Yield. Frontiers in Plant Science, 2018, 9, 888.	1.7	39

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19	Genetic Structure of Modern Durum Wheat Cultivars and Mediterranean Landraces Matches with Their Agronomic Performance. PLoS ONE, 2016, 11, e0160983.	1.1	92
20	Effect of <i>Ppd-1</i> genes on durum wheat flowering time and grain filling duration in a wide range of latitudes. Journal of Agricultural Science, 2016, 154, 612-631.	0.6	36
21	Association of phytoene synthase Psy1-A1 and Psy1-B1 allelic variants with semolina yellowness in durum wheat (Triticum turgidum L. var. durum). Euphytica, 2016, 207, 109-117.	0.6	14
22	Daylength, Temperature and Solar Radiation Effects on the Phenology and Yield Formation of Spring Durum Wheat. Journal of Agronomy and Crop Science, 2016, 202, 203-216.	1.7	40
23	Short communication: Emergence of a new race of leaf rust with combined virulence to Lr14a and Lr72 genes on durum wheat. Spanish Journal of Agricultural Research, 2016, 14, e10SC02.	0.3	21
24	Transcriptomic and proteomic analyses of a pale-green durum wheat mutant shows variations in photosystem components and metabolic deficiencies under drought stress. BMC Genomics, 2014, 15, 125.	1.2	37
25	Conventional digital cameras as a tool for assessing leaf area index and biomass for cereal breeding. Journal of Integrative Plant Biology, 2014, 56, 7-14.	4.1	88
26	Durum wheat (Triticum durum Desf.) Mediterranean landraces as sources of variability for allelic combinations at Glu-1/Glu-3 loci affecting gluten strength and pasta cooking quality. Genetic Resources and Crop Evolution, 2014, 61, 1219-1236.	0.8	33
27	The climate of the zone of origin of Mediterranean durum wheat (Triticum durum Desf.) landraces affects their agronomic performance. Genetic Resources and Crop Evolution, 2014, 61, 1345-1358.	0.8	87
28	Variability in glutenin subunit composition of Mediterranean durum wheat germplasm and its relationship with gluten strength. Journal of Agricultural Science, 2014, 152, 379-393.	0.6	47
29	Diversity and Genetic Structure of a Collection of Spanish Durum Wheat Landraces. Crop Science, 2012, 52, 2262-2275.	0.8	41
30	Can Mediterranean durum wheat landraces contribute to improved grain quality attributes in modern cultivars?. Euphytica, 2012, 185, 1-17.	0.6	92
31	Association mapping in durum wheat grown across a broad range of water regimes. Journal of Experimental Botany, 2011, 62, 409-438.	2.4	270
32	Changes in duration of developmental phases of durum wheat caused by breeding in Spain and Italy during the 20th century and its impact on yield. Annals of Botany, 2011, 107, 1355-1366.	1.4	72
33	Tritordeum, wheat and triticale yield components under multi-local mediterranean drought conditions. Field Crops Research, 2010, 116, 68-74.	2.3	46
34	Understanding the relationships between genetic and phenotypic structures of a collection of elite durum wheat accessions. Field Crops Research, 2010, 119, 91-105.	2.3	54
35	Old and modern durum wheat varieties from Italy and Spain differ in main spike components. Field Crops Research, 2008, 106, 86-93.	2.3	51
36	Breeding Effects on Grain Filling, Biomass Partitioning, and Remobilization in Mediterranean Durum Wheat. Agronomy Journal, 2008, 100, 361.	0.9	46

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37	Grain Filling and Dry Matter Translocation Responses to Sourceâ€“Sink Modifications in a Historical Series of Durum Wheat. Crop Science, 2008, 48, 1523-1531.	0.8	69
38	Changes in Yield and Carbon Isotope Discrimination of Italian and Spanish Durum Wheat during the 20th Century. Agronomy Journal, 2008, 100, 352-360.	0.9	42
39	Breeding Effects on Grain Filling, Biomass Partitioning, and Remobilization in Mediterranean Durum Wheat. Agronomy Journal, 2008, 100, 361-370.	0.9	69
40	Morphological Traits above the Flag Leaf Node as Indicators of Drought Susceptibility Index in Durum Wheat. Journal of Agronomy and Crop Science, 2007, 193, 103-116.	1.7	27
41	Using vegetation indices derived from conventional digital cameras as selection criteria for wheat breeding in water-limited environments. Annals of Applied Biology, 2007, 150, 227-236.	1.3	150
42	Genetic changes in durum wheat yield components and associated traits in Italian and Spanish varieties during the 20th century. Euphytica, 2007, 155, 259-270.	0.6	142
43	Grain growth and yield formation of durum wheat grown at contrasting latitudes and water regimes in a Mediterranean environment. Cereal Research Communications, 2006, 34, 1021-1028.	0.8	46
44	Durum Wheat under Mediterranean Conditions as Affected by Seed Size. Journal of Agronomy and Crop Science, 2006, 192, 257-266.	1.7	18
45	Assessment of durum wheat yield using visible and near-infrared reflectance spectra of canopies. Field Crops Research, 2005, 94, 126-148.	2.3	59
46	Leaf and green area development of durum wheat genotypes grown under Mediterranean conditions. European Journal of Agronomy, 2004, 20, 419-430.	1.9	41
47	Effect of sensor view angle on the assessment of agronomic traits by ground level hyper-spectral reflectance measurements in durum wheat under contrasting Mediterranean conditions. International Journal of Remote Sensing, 2004, 25, 1131-1152.	1.3	38
48	Breeding cereals for Mediterranean conditions: ecophysiological clues for biotechnology application. Annals of Applied Biology, 2003, 142, 129-141.	1.3	157
49	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 123-131.	2.3	85
50	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 133-140.	2.3	94
51	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 141-146.	2.3	51
52	Usefulness of spectral reflectance indices as durum wheat yield predictors under contrasting Mediterranean conditions. International Journal of Remote Sensing, 2003, 24, 4403-4419.	1.3	116
53	Evaluation of Grain Yield and Its Components in Durum Wheat under Mediterranean Conditions. Agronomy Journal, 2003, 95, 266.	0.9	180
54	Environmental Factors Determining Carbon Isotope Discrimination and Yield in Durum Wheat under Mediterranean Conditions. Crop Science, 2003, 43, 170.	0.8	61

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55	Seedling development and biomass as affected by seed size and morphology in durum wheat. Journal of Agricultural Science, 2002, 139, 143-150.	0.6	38
56	Relationship between Growth Traits and Spectral Vegetation Indices in Durum Wheat. Crop Science, 2002, 42, 1547-1555.	0.8	158
57	Comparative performance of carbon isotope discrimination and canopy temperature depression as predictors of genotype differences in durum wheat yield in Spain. Australian Journal of Agricultural Research, 2002, 53, 561.	1.5	67
58	Biomass Accumulation and Main Stem Elongation of Durum Wheat Grown under Mediterranean Conditions. Annals of Botany, 2001, 88, 617-627.	1.4	91
59	Environmental and genetic determination of protein content and grain yield in durum wheat under Mediterranean conditions. Plant Breeding, 2001, 120, 381-388.	1.0	90
60	Photosynthetic and developmental traits associated with genotypic differences in durum wheat yield across the Mediterranean basin. Australian Journal of Agricultural Research, 2000, 51, 891.	1.5	28
61	Spectral Vegetation Indices as Nondestructive Tools for Determining Durum Wheat Yield. Agronomy Journal, 2000, 92, 83-91.	0.9	339
62	Field Measurements of Canopy Spectra for Biomass Assessment of Small-Grain Cereals. , 0, , .		9