Conxita Royo

List of Publications by Year
in descending order

118 papers	8,007 citations	53660 45 h-index	53109 85 g-index
118 all docs	118 docs citations	118 times ranked	5371 citing authors

#	Article	IF	Citations
1	Are the agronomic performance and grain quality characteristics of bread wheat Mediterranean landraces related to the climate prevalent in their area of origin?. Journal of Cereal Science, 2022, 105, 103478.	1.8	10
2	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
3	Labelling Selective Sweeps Used in Durum Wheat Breeding from a Diverse and Structured Panel of Landraces and Cultivars. Biology, 2021, 10, 258.	1.3	6
4	Performance of the Two-Source Energy Balance (TSEB) Model as a Tool for Monitoring the Response of Durum Wheat to Drought by High-Throughput Field Phenotyping. Frontiers in Plant Science, 2021, 12, 658357.	1.7	15
5	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
6	Global loss of climatically suitable areas for durum wheat growth in the future. Environmental Research Letters, 2021, 16, 104049.	2.2	22
7	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
8	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
9	The Effect of Photoperiod Genes and Flowering Time on Yield and Yield Stability in Durum Wheat. Plants, 2020, 9, 1723.	1.6	8
10	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
11	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
12	Exploring the Genetic Architecture of Root-Related Traits in Mediterranean Bread Wheat Landraces by Genome-Wide Association Analysis. Agronomy, 2020, 10, 613.	1.3	24
13	Genetic Dissection of the Seminal Root System Architecture in Mediterranean Durum Wheat Landraces by Genome-Wide Association Study. Agronomy, 2019, 9, 364.	1.3	35
14	From landraces to improved cultivars: Assessment of genetic diversity and population structure of Mediterranean wheat using SNP markers. PLoS ONE, 2019, 14, e0219867.	1.1	66
15	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
16	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
17	Pasta-Making Quality QTLome From Mediterranean Durum Wheat Landraces. Frontiers in Plant Science, 2018, 9, 1512.	1.7	30
18	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

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19	Optimizing Winter Wheat Resilience to Climate Change in Rain Fed Crop Systems of Turkey and Iran. Frontiers in Plant Science, 2018, 9, 563.	1.7	18
20	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
21	Dissecting the old Mediterranean durum wheat genetic architecture for phenology, biomass and yield formation by association mapping and QTL meta-analysis. PLoS ONE, 2017, 12, e0178290.	1.1	93
22	Genetic Diversity and Association Mapping for Agromorphological and Grain Quality Traits of a Structured Collection of Durum Wheat Landraces Including subsp. durum, turgidum and diccocon. PLoS ONE, 2016, 11, e0166577.	1.1	51
23	Genetic Structure of Modern Durum Wheat Cultivars and Mediterranean Landraces Matches with Their Agronomic Performance. PLoS ONE, 2016, 11, e0160983.	1.1	92
24	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
25	Changes in durum wheat root and aerial biomass caused by the introduction of the Rht-B1b dwarfing allele and their effects on yield formation. Plant and Soil, 2016, 403, 291-304.	1.8	36
26	Transcripts levels of Phytoene synthase 1 (Psy-1) are associated to semolina yellowness variation in durum wheat (Triticum turgidum L. ssp. durum). Journal of Cereal Science, 2016, 68, 155-163.	1.8	7
27	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
28	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
29	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
30	Dissecting the Genetic Architecture of Leaf Rust Resistance in Wheat by QTL Meta-Analysis. Phytopathology, 2015, 105, 1585-1593.	1.1	69
31	Breeding effects on dry matter accumulation and partitioning in Spanish bread wheat during the 20th century. Euphytica, 2015, 203, 321-336.	0.6	10
32	Breeding effects on the cultivarÃ—environment interaction of durum wheat yield. European Journal of Agronomy, 2015, 68, 78-88.	1.9	54
33	Changes in bread-making quality attributes of bread wheat varieties cultivated in Spain during the 20th century. European Journal of Agronomy, 2015, 63, 79-88.	1.9	53
34	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. Journal of Experimental Botany, 2015, 66, 3477-3486.	2.4	356
35	Breeding progress in the pasta-making quality of durum wheat cultivars released in Italy and Spain during the 20th Century. Crop and Pasture Science, 2014, 65, 16.	0.7	83
36	QTL dissection of yield components and morpho-physiological traits in a durum wheat elite population tested in contrasting thermo-pluviometric conditions. Crop and Pasture Science, 2014, 65, 80.	0.7	79

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37	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
38	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
39	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
40	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
41	Genetic improvement of bread wheat yield and associated traits in Spain during the 20th century. Journal of Agricultural Science, 2013, 151, 105-118.	0.6	108
42	Creation and Validation of the Spanish Durum Wheat Core Collection. Crop Science, 2013, 53, 2530-2537.	0.8	19
43	Diversity and Genetic Structure of a Collection of Spanish Durum Wheat Landraces. Crop Science, 2012, 52, 2262-2275.	0.8	41
44	Can Mediterranean durum wheat landraces contribute to improved grain quality attributes in modern cultivars?. Euphytica, 2012, 185, 1-17.	0.6	92
45	Breeding effects on the genotypeÃ—environment interaction for yield of bread wheat grown in Spain during the 20th century. Field Crops Research, 2012, 126, 79-86.	2.3	36
46	Association mapping in durum wheat grown across a broad range of water regimes. Journal of Experimental Botany, 2011, 62, 409-438.	2.4	270
47	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
48	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
49	Durum Wheat Breeding. , 2009, , 199-226.		32
50	Relationships among adaptation patterns, morphophysiological traits and molecular markers in durum wheat. Plant Breeding, 2009, 128, 164-171.	1.0	18
51	Breeding for Yield Potential and Stress Adaptation in Cereals. Critical Reviews in Plant Sciences, 2008, 27, 377-412.	2.7	638
52	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
53	Quantitative Trait Loci for Grain Yield and Adaptation of Durum Wheat (<i>Triticum durum</i> Desf.) Across a Wide Range of Water Availability. Genetics, 2008, 178, 489-511.	1.2	397
54	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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55	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
56	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
57	Breeding Effects on Grain Filling, Biomass Partitioning, and Remobilization in Mediterranean Durum Wheat. Agronomy Journal, 2008, 100, 361-370.	0.9	69
58	Changes in Yield and Carbon Isotope Discrimination of Italian and Spanish Durum Wheat during the 20th Century. Agronomy Journal, 2008, 100, 352.	0.9	31
59	Contribution of main stem and tillers to durum wheat (Triticum turgidum L. var. durum) grain yield and its components grown in Mediterranean environments. Field Crops Research, 2007, 103, 25-35.	2.3	85
60	Usefulness of remote sensing for the assessment of growth traits in individual cereal plants grown in the field. International Journal of Remote Sensing, 2007, 28, 2497-2512.	1.3	16
61	Environmentally Induced Changes in Amino Acid Composition in the Grain of Durum Wheat Grown under Different Water and Temperature Regimes in a Mediterranean Environment. Journal of Agricultural and Food Chemistry, 2007, 55, 8144-8151.	2.4	39
62	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
63	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
64	Dispersal of durum wheat [Triticum turgidum L. ssp. turgidum convar. durum (Desf.) MacKey] landraces across the Mediterranean basin assessed by AFLPs and microsatellites. Genetic Resources and Crop Evolution, 2007, 54, 1133-1144.	0.8	53
65	A panel of elite accessions of durum wheat (Triticum durum Desf.) suitable for association mapping studies. Plant Genetic Resources: Characterisation and Utilisation, 2006, 4, 79-85.	0.4	54
66	Yield formation strategies of durum wheat landraces with distinct pattern of dispersal within the Mediterranean basin. Field Crops Research, 2006, 95, 182-193.	2.3	44
67	Yield formation strategies of durum wheat landraces with distinct pattern of dispersal within the Mediterranean basin I: Yield components. Field Crops Research, 2006, 95, 194-205.	2.3	90
68	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
69	Durum Wheat under Mediterranean Conditions as Affected by Seed Size. Journal of Agronomy and Crop Science, 2006, 192, 257-266.	1.7	18
70	Genetic Diversity of Glutenin Protein Subunits Composition in Durum Wheat Landraces [Triticum turgidum ssp. turgidum Convar. durum (Desf.) MacKey] from the Mediterranean Basin. Genetic Resources and Crop Evolution, 2006, 53, 993-1002.	0.8	62
71	Promising eco-physiological traits for genetic improvement of cereal yields in Mediterranean environments. Annals of Applied Biology, 2005, 146, 61-70.	1.3	248
72	Yield Formation in Mediterranean durum wheats under two contrasting water regimes based on path-coefficient analysis. Euphytica, 2005, 146, 203-212.	0.6	40

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73	Using AFLPs to determine phylogenetic relationships and genetic erosion in durum wheat cultivars released in Italy and Spain throughout the 20th century. Field Crops Research, 2005, 91, 107-116.	2.3	70
74	Assessment of durum wheat yield using visible and near-infrared reflectance spectra of canopies. Field Crops Research, 2005, 94, 126-148.	2.3	59
75	Growth and yield responses of spring and winter triticale cultivated under Mediterranean conditions. European Journal of Agronomy, 2004, 20, 281-292.	1.9	27
76	Leaf and green area development of durum wheat genotypes grown under Mediterranean conditions. European Journal of Agronomy, 2004, 20, 419-430.	1.9	41
77	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
78	Physiology of Yield and Adaptation in Wheat and Barley Breeding. Books in Soils, Plants, and the Environment, 2004, , .	0.1	0
79	Breeding cereals for Mediterranean conditions: ecophysiological clues for biotechnology application. Annals of Applied Biology, 2003, 142, 129-141.	1.3	157
80	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 123-131.	2.3	85
81	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 133-140.	2.3	94
82	Durum wheat quality in Mediterranean environments. Field Crops Research, 2003, 80, 141-146.	2.3	51
83	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
84	Evaluation of Grain Yield and Its Components in Durum Wheat under Mediterranean Conditions. Agronomy Journal, 2003, 95, 266.	0.9	180
85	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
86	Relationship between Growth Traits and Spectral Vegetation Indices in Durum Wheat. Crop Science, 2002, 42, 1547-1555.	0.8	158
87	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
88	Plant Breeding and Drought in C3 Cereals: What Should We Breed For?. Annals of Botany, 2002, 89, 925-940.	1.4	987
89	Patterns of grain filling of spring and winter hexaploid triticales. European Journal of Agronomy, 2002, 16, 219-230.	1.9	32
90	Biomass Accumulation and Main Stem Elongation of Durum Wheat Grown under Mediterranean Conditions. Annals of Botany, 2001, 88, 617-627.	1.4	91

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91	Near infrared reflectance spectroscopy as a potential surrogate method for the analysis of D13C in mature kernels of durum wheat. Australian Journal of Agricultural Research, 2001, 52, 809.	1.5	26
92	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
93	Assessing genotypic variability for plant development in spring and winter triticale. Cereal Research Communications, 2001, 29, 359-366.	0.8	0
94	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
95	Spectral Vegetation Indices as Nondestructive Tools for Determining Durum Wheat Yield. Agronomy Journal, 2000, 92, 83-91.	0.9	339
96	Amino-Acid Composition and Protein and Carbohydrate Accumulation in the Grain of Triticale Grown under Terminal Water Stress Simulated by a Senescing Agent. Journal of Cereal Science, 2000, 32, 249-258.	1.8	37
97	Triticale grain growth and morphometry as affected by drought stress, late sowing and simulated drought stress. Functional Plant Biology, 2000, 27, 1051.	1.1	34
98	Remobilization of Preâ€Anthesis Assimilates to the Grain for Grain Only and Dualâ€Purpose (Forage and) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	53
99	Plant Recovery and Grain-Yield Formation in Barley and Triticale Following Forage Removal at Two Cutting Stages. Journal of Agronomy and Crop Science, 1999, 182, 175-184.	1.7	11
100	Growth Analysis of Five Spring and Five Winter Triticale Genotypes. Agronomy Journal, 1999, 91, 305-311.	0.9	26
101	Use of potassium iodide to mimic drought stress in triticale. Field Crops Research, 1998, 59, 201-212.	2.3	14
102	Effect of Sowing Date and Cutting Stage on Yield and Quality of Irrigated Barley and Triticale Used for Forage and Grain. Journal of Agronomy and Crop Science, 1997, 179, 227-234.	1.7	19
103	Grain yield and yield components as affected by forage removal in winter and spring triticale. Grass and Forage Science, 1997, 52, 63-72.	1.2	10
104	Triticale and barley for grain and for dual-purpose (forage+grain) in a Mediterranean-type environment. II. Yield, yield components, and quality. Australian Journal of Agricultural Research, 1997, 48, 423.	1.5	18
105	Triticale and barley for grain and for dual-purpose (forage+grain) in a Mediterranean-type environment. I. Growth analyses. Australian Journal of Agricultural Research, 1997, 48, 411.	1.5	12
106	Grain yield, biomass and leaf area of triticale in response to sowing date and cutting stage in three contrasting Mediterranean environments. Journal of Agricultural Science, 1996, 126, 253-258.	0.6	3
107	Likening Between the Effect of Drought and Terminal Water-stress Simulated by a Senescing Agent in Triticale. Journal of Agronomy and Crop Science, 1996, 176, 31-38.	1.7	7
108	Effect of forage removal at the first detectable node stage on the growth of winter and spring triticale. Grass and Forage Science, 1996, 51, 170-179.	1.2	5

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109	Yield and quality of winter and spring triticales for forage and grain. Grass and Forage Science, 1996, 51, 449-455.	1.2	10
110	Agronomical and morphological differentiation among winter and spring triticales. Plant Breeding, 1995, 114, 413-416.	1.0	19
111	Yield and quality of spring triticale used for forage and grain as influenced by sowing date and cutting stage. Field Crops Research, 1994, 37, 161-168.	2.3	26
112	Differential Adaptation of Complete and Substituted Triticale. Plant Breeding, 1993, 111, 113-119.	1.0	28
113	Triticale and other small grain cereals for forage and grain in Mediterranean conditions. Grass and Forage Science, 1993, 48, 11-17.	1.2	20
114	Hot Water Extracts in a Mutant Derived from the Barley Cultivar Troubadour. Journal of Cereal Science, 1993, 18, 69-74.	1.8	4
115	Carbon Isotope Ratios in Ear Parts of Triticale. Plant Physiology, 1992, 100, 1033-1035.	2.3	32
116	Effectiveness of Twenty-Four Barley Resistance Genes Against Powdery Mildew (Erysiphe graminis DC f.) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	4
117	Field Measurements of Canopy Spectra for Biomass Assessment of Small-Grain Cereals. , 0, , .		9
118	Wheat: A Crop in the Bottom of the Mediterranean Diet Pyramid. , 0, , .		19