Juan B Alvarez

List of Publications by Year
in descending order

94 papers	1,619 citations	331670 21 h-index	377865 34 g-index
95 all docs	95 docs citations	95 times ranked	1178 citing authors

#	Article	IF	Citations
1	The Development of Tritordeum: A Novel Cereal for Food Processing. Journal of Cereal Science, 1999, 30, 85-95.	3.7	132
2	Silencing of Î³-gliadins by RNA interference (RNAi) in bread wheat. Journal of Cereal Science, 2008, 48, 565-568.	3.7	90
3	Wheat waxy proteins: polymorphism, molecular characterization and effects on starch properties. Theoretical and Applied Genetics, 2016, 129, 1-16.	3.6	87
4	Diversification of the celiac disease Î±â€gliadin complex in wheat: a 33â€mer peptide with six overlapping epitopes, evolved following polyploidization. Plant Journal, 2015, 82, 794-805.	5.7	72
5	Landscape genetic structure of chestnut (Castanea sativa Mill.) in Spain. Tree Genetics and Genomes, 2012, 8, 127-136.	1.6	50
6	Variation in the high-molecular-weight glutenin subunits coded at the Glu-Hch1 locus in Hordeum chilense. Theoretical and Applied Genetics, 2001, 102, 134-137.	3.6	44
7	Allelic variation of the HMW glutenin subunits in Spanish accessions of spelt wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	41
8	Interspecific and intergeneric hybridization as a source of variation for wheat grain quality improvement. Theoretical and Applied Genetics, 2018, 131, 225-251.	3.6	40
9	Variation in the HMW and LMW glutenin subunits from Spanish accessions of emmer wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Ov	3.6	39
10	Genetic variation for carotenoid pigment content in the amphiploid Hordeum chilense Ã— Triticum turgidum conv. durum. Plant Breeding, 1999, 118, 187-189.	1.9	37
11	Tritordeum: a new crop of potential importance in the food industry. Hereditas, 0, 116, 193-197.	1.4	37
12	Waxy genes from spelt wheat: new alleles for modern wheat breeding and new phylogenetic inferences about the origin of this species. Annals of Botany, 2012, 110, 1161-1171.	2.9	36
13	Chromosomal localization of genes for carotenoid pigments using addition lines of Hordeum chilense in wheat. Plant Breeding, 1998, 117, 287-289.	1.9	35
14	Variation and genetic diversity for gliadins in Spanish spelt wheat accessions. Genetic Resources and Crop Evolution, 2004, 51, 679-686.	1.6	32
15	Identification and characterisation of traditional chestnut varieties of southern Spain using morphological and simple sequence repeat (SSRs) markers. Annals of Applied Biology, 2009, 154, 389-398.	2.5	32
16	Polymorphism and Genetic Diversity for the Seed Storage Proteins in Spanish Cultivated Einkorn Wheat (Triticum monococcum L. ssp. monococcum). Genetic Resources and Crop Evolution, 2006, 53, 1061-1067.	1.6	26
17	Development and gluten strength evaluation of introgression lines ofTriticum urartuin durum wheat. Cereal Research Communications, 2009, 37, 243-248.	1.6	26
18	Molecular characterisation of the Wx-B1 allelic variants identified in cultivated emmer wheat and comparison with those of durum wheat. Molecular Breeding, 2011, 28, 403-411.	2.1	26

#	Article	IF	Citations
19	Variation for the low-molecular-weight glutenin subunits in a collection of Hordeum chilense. Euphytica, 2002, 128, 269-277.	1.2	25
20	Characterization of genetic diversity of puroindoline genes in Mexican wheat landraces. Euphytica, 2013, 190, 53-63.	1.2	25
21	Molecular characterization of a novel waxy allele (Wx-A u 1a) from Triticum urartu Thum. ex Gandil.. Genetic Resources and Crop Evolution, 2012, 59, 971-979.	1.6	24
22	Genetic variability of the low-molecular-weight glutenin subunits in spelt wheat (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	23
23	Molecular characterization and diversity of the Pina and Pinb genes in cultivated and wild diploid wheat. Molecular Breeding, 2012, 30, 69-78.	2.1	22
24	Variation in Spanish cultivated einkorn wheat (Triticum monococcum L. ssp. monococcum) as determined by morphological traits and waxy proteins. Genetic Resources and Crop Evolution, 2009, 56, 601-604.	1.6	21
25	The Rheological Properties and Baking Performances of Flours from Hexaploid Tritordeums. Journal of Cereal Science, 1995, 21, 291-299.	3.7	20
26	Intra- and interpopulation diversity for HMW glutenin subunits in Spanish spelt wheat. Genetic Resources and Crop Evolution, 2004, 51, 175-181.	1.6	20
27	Molecular characterization of a new waxy allele with partial expression in spelt wheat. Planta, 2012, 235, 1331-1339.	3.2	20
28	Molecular characterization of two novel null waxy alleles in Mexican bread wheat landraces. Journal of Cereal Science, 2015, 62, 8-14.	3.7	20
29	Title is missing!. Euphytica, 1999, 107, 177-184.	1.2	19
30	Characterization of the Wx gene in diploid Aegilops species and its potential use in wheat breeding. Genetic Resources and Crop Evolution, 2014, 61, 369-382.	1.6	19
31	Molecular characterization of novel LMW-i glutenin subunit genes from Triticum urartu Thum. ex Gandil.. Theoretical and Applied Genetics, 2015, 128, 2155-2165.	3.6	19
32	Allelic variation for the high- and low-molecular-weight glutenin subunits in wild diploid wheat (Triticum urartu) and its comparison with durum wheats. Australian Journal of Agricultural Research, 2008, 59, 906.	1.5	17
33	Genetic diversity for morphological traits and seed storage proteins in Spanish rivet wheat. Biologia Plantarum, 2010, 54, 69-75.	1.9	17
34	Molecular characterization of waxy alleles in three subspecies of hexaploid wheat and identification of two novel Wx-B1 alleles. Theoretical and Applied Genetics, 2015, 128, 2427-2435.	3.6	17
35	Genealogical Identification of Hexaploid Tritordeum by Electrophoretic Separation of Endosperm Storage Proteins. Plant Breeding, 1993, 111, 166-169.	1.9	16
36	Agrobiodiversity of Hulled Wheats in Asturias (North of Spain). Genetic Resources and Crop Evolution, 2007, 54, 267-277.	1.6	16

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37	The Genetic Resources of European Sweet Chestnut (Castanea sativa Miller) in Andalusia, Spain. Genetic Resources and Crop Evolution, 2007, 54, 379-387.	1.6	16
38	Tritordeum: a new crop of potential importance in the food industry. Hereditas, 2008, 116, 193-197.	1.4	16
39	Genetic variation for waxy proteins and amylose content in Spanish spelt wheat (Triticum spelta L.). Genetic Resources and Crop Evolution, 2010, 57, 721-725.	1.6	16
40	Sub-arm location of prolamin and EST-SSR loci on chromosome 1Hch from Hordeum chilense. Euphytica, 2011, 178, 63-69.	1.2	14
41	Allelic diversity and molecular characterization of puroindoline genes in five diploid species of the Aegilops genus. Journal of Experimental Botany, 2013, 64, 5133-5143.	4.8	14
42	Characterisation and Variation of Morphological Traits and Storage Proteins in Spanish Emmer Wheat Germplasm (Triticum Dicoccon). Genetic Resources and Crop Evolution, 2007, 54, 241-248.	1.6	13
43	Allelic variation of the D-prolamin subunits encoded at the Hch genome in a collection of primary hexaploid tritordeums. Theoretical and Applied Genetics, 1999, 99, 296-299.	3.6	12
44	Variability and Genetic Diversity for Gliadins in Natural Populations of Hordeum Chilense Roem. et Schult.. Genetic Resources and Crop Evolution, 2006, 53, 1419-1425.	1.6	12
45	Polymorphisms at the Gli-A u 1 and Gli-A u 2 loci in wild diploid wheat (Triticum urartu). Euphytica, 2008, 163, 303-307.	1.2	12
46	Characterization of Mexican Creole wheat landraces in relation to morphological characteristics and HMW glutenin subunit composition. Genetic Resources and Crop Evolution, 2010, 57, 657-665.	1.6	12
47	Cotyledon storage proteins as markers of the genetic diversity in Castanea sativa Miller. Theoretical and Applied Genetics, 2003, 107, 730-735.	3.6	11
48	Diversity of phenotypic (plant and grain morphological) and genotypic (glutenin alleles in Glu-1 and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Resources and Crop Evolution, 2016, 63, 465-475.	1.6	11
49	Recovery of Wheat Heritage for Traditional Food: Genetic Variation for High Molecular Weight Glutenin Subunits in Neglected/Underutilized Wheat. Agronomy, 2019, 9, 755.	3.0	11
50	Genetic diversity for seed storage proteins in Lebanon and Turkey populations of wild diploid wheat (Triticum urartu Thum. ex Gandil.). Genetic Resources and Crop Evolution, 2009, 56, 1117-1124.	1.6	10
51	Amylose content and starch properties in emmer and durum wheat lines with different waxy proteins composition. Journal of the Science of Food and Agriculture, 2011, 91, 1625-1629.	3.5	10
52	Wx Gene in Hordeum chilense: Chromosomal Location and Characterisation of the Allelic Variation in the Two Main Ecotypes of the Species. Agronomy, 2019, 9, 261.	3.0	10
53	Molecular characterization of the Glu-Ay gene from Triticum urartu for its potential use in quality wheat breeding. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 334-337.	0.8	9
54	Wx gene in diploid wheat: molecular characterization of five novel alleles from einkorn (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.1	9

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55	Influence of HMW and LMW glutenin subunits on gluten strength in hexaploid tritordeum. Plant Breeding, 1999, 118, 456-458.	1.9	8
56	Use of megagametophyte storage proteins as markers of the genetic diversity in stone pine (Pinus pinea) Tj ETQq0 0 0 rgBT /Overlock 1	1.6	8
57	Linkage relationships between prolamin genes located on chromosome 1Hch in Hordeum chilense. Theoretical and Applied Genetics, 2004, 108, 891-895.	3.6	8
58	Relationships between the HMW- and LMW-glutenin subunits and SDS-sedimentation volume in Spanish hulled wheat lines. Czech Journal of Genetics and Plant Breeding, 2008, 44, 114-117.	0.8	8
59	Molecular characterisation of the amino- and carboxyl-domains in different Glu-A1x alleles of Triticum urartu Thum. ex Gandil.. Theoretical and Applied Genetics, 2013, 126, 1703-1711.	3.6	8
60	Genetic diversity and molecular characterization of puroindoline genes (Pina-D1 and Pinb-D1) in bread wheat landraces from Andalusia (Southern Spain). Journal of Cereal Science, 2016, 71, 61-65.	3.7	8
61	Genetic diversity in Spanish populations of Triticum spelta L. (escanda): example of an endangered genetic resource. Genetic Resources and Crop Evolution, 2008, 55, 675-682.	1.6	7
62	The use of cotyledon proteins to assess the genetic diversity in sweet holm oak. Journal of Forest Science, 2009, 55, 526-531.	1.1	7
63	Identification and molecular characterization of novel LMW-m and -s glutenin genes, and a chimeric -m/-i glutenin gene in 1A chromosome of three diploid Triticum species. Journal of Cereal Science, 2017, 74, 46-55.	3.7	7
64	Breadmaking Quality in Tritordeum: The Use-Possibilities of a New Cereal. Developments in Plant Breeding, 1996, , 799-805.	0.2	7
65	Spanish Spelt Wheat: From an Endangered Genetic Resource to a Trendy Crop. Plants, 2021, 10, 2748.	3.5	7
66	Introgression of 1Dx5+1Dy10 into Tritordeum. Theoretical and Applied Genetics, 2003, 106, 644-648.	3.6	6
67	Variation of high molecular weight glutenin subunits in two neglected tetraploid wheat subspecies. Czech Journal of Genetics and Plant Breeding, 2008, 44, 140-146.	0.8	6
68	Genetic diversity of Spanish fir (Abies pinsapo Boiss.) populations by means of megagametophyte storage proteins. Annals of Forest Science, 2010, 67, 603-603.	2.0	6
69	Molecular characterization of two novel alleles of Hordoindoline genes in Hordeum chilense Roem. et Schult.. Genetic Resources and Crop Evolution, 2014, 61, 307-312.	1.6	6
70	Analysis of D-prolamins synthesized by the Hordeum chilense genome and their effects on gluten strength in hexaploid tritordeum. Plant Breeding, 2001, 120, 185-187.	1.9	5
71	Variability for morphological traits and high molecular weight glutenin subunits in Spanish spelt lines. Plant Genetic Resources: Characterisation and Utilisation, 2007, 5, 128-130.	0.8	5
72	Molecular characterization of several Wx alleles in durum wheat. Biologia Plantarum, 2015, 59, 220-226.	1.9	4

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73	Chromosomal location and molecular characterization of three grain hardness genes in Agropyron cristatum. Euphytica, 2019, 215, 1.	1.2	4
74	Wheat Quality. , 2022, , 177-193.		4
75	Genetic diversity in khorasan and rivet wheat by assessment of morphological traits and seed storage proteins. Crop and Pasture Science, 2010, 61, 938.	1.5	3
76	Identification and characterization by PCRâ€“RFLP analysis of the genetic variation for the Glu-A1x and Glu-B1x genes in rivet wheat (Triticum turgidum L. ssp. turgidum). Journal of Cereal Science, 2013, 57, 253-257.	3.7	3
77	Potential Use of Wild Einkorn Wheat for Wheat Grain Quality Improvement: Evaluation and Characterization of Glu-1, Wx and Ha Loci. Agronomy, 2021, 11, 816.	3.0	3
78	Molecular characterization of five novel Wx-A1 alleles in common wheat including one silent allele by transposon insertion. Plant Science, 2021, 305, 110843.	3.6	3
79	Genetic diversity and structure in a natural Hordeum chilense population based on gliadin analysis. Plant Systematics and Evolution, 2006, 261, 11-18.	0.9	2
80	Polymorphism of waxy proteins in Spanish hulled wheats. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 330-333.	0.8	2
81	COMPOSICIÃ“N, ESTRUCTURA Y DIVERSIDAD DE POBLACIONES DE NOTHOFAGUS GLAUCA UBICADAS EN LA ZONA MEDITERRANEA DE CHILE. Gayana - Botanica, 2013, 70, 82-91.	0.2	2
82	Characterization and sequence diversity of the Gsp-1 gene in diploid species of the Aegilops genus. Journal of Cereal Science, 2015, 63, 1-7.	3.7	2
83	Molecular characterisation of novel LMW-m and LMW-s genes from four Aegilops species (Sitopsis) Tj ETQq1 1 0.784314 rgBT /Overlock Science, 2016, 67, 938.	1.5	2
84	Differential effects of the endosperm protein fractions from tritordeum on the SDS-sedimentation volume. Cereal Research Communications, 1997, 25, 141-147.	1.6	2
85	TRADITIONAL CHESTNUT CULTIVARS IN SOUTHERN SPAIN: A CASE OF ENDANGERED GENETIC RESOURCES. Acta Horticulturae, 2010, , 143-149.	0.2	2
86	Association between the HMW-glutenin subunits and gluten strength characteristics in khorassan wheat lines - Short Communications. Czech Journal of Genetics and Plant Breeding, 2009, 45, 169-172.	0.8	1
87	Primeros resultados en el desarrollo de un marcador genÃ©tico basado en las proteÃnas de reserva en dos especies del gÃ©nero Nothofagus. Bosque, 2010, 31, 252-257.	0.3	1
88	Ancient wheats role in sustainable wheat cultivation. , 2021, , 29-66.		1
89	Inheritance of cotyledon storage proteins in European sweet chestnut (Castanea sativa Miller). Forest Systems, 2012, 21, 64.	0.3	1
90	Gene effects for spike length, spikelets per spike and spike density inHordeum chilense. Cereal Research Communications, 2010, 38, 266-271.	1.6	0

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91	CHESTNUT GENETIC LANDSCAPE SHAPE IN SPAIN. Acta Horticulturae, 2011, , 843-847.	0.2	0
92	NUT CHARACTERISATION OF THE MAIN TRADITIONAL CHESTNUT VARIETIES FROM ANDALUSIA. Acta Horticulturae, 2008, , 71-76.	0.2	0
93	Short communication: Development of a new polymorphic genetic marker in Araucaria araucana (Mol) K. Koch. Spanish Journal of Agricultural Research, 2012, 10, 160.	0.6	0
94	Cereals Taxonomy: The Role of Domestication and Breeding on Gluten Intolerance. , 2015, , 193-526.		0