

Roberto Tuberosa

List of Publications by Year in descending order

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162
papers

16,865
citations

23500

58
h-index

16127

124
g-index

175
all docs

175
docs citations

175
times ranked

11657
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of polyploid wheat genomic diversity using a high-density 90,000 single nucleotide polymorphism array. <i>Plant Biotechnology Journal</i> , 2014, 12, 787-796.	4.1	1,828
2	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. <i>Science</i> , 2017, 357, 93-97.	6.0	781
3	Root system architecture: opportunities and constraints for genetic improvement of crops. <i>Trends in Plant Science</i> , 2007, 12, 474-481.	4.3	608
4	Durum wheat genome highlights past domestication signatures and future improvement targets. <i>Nature Genetics</i> , 2019, 51, 885-895.	9.4	576
5	Conserved noncoding genomic sequences associated with a flowering-time quantitative trait locus in maize. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11376-11381.	3.3	536
6	Quantitative Trait Loci and Crop Performance under Abiotic Stress: Where Do We Stand?: Table I.. <i>Plant Physiology</i> , 2008, 147, 469-486.	2.3	518
7	Monitoring large-scale changes in transcript abundance in drought- and salt-stressed barley. <i>Plant Molecular Biology</i> , 2002, 48, 551-573.	2.0	503
8	To clone or not to clone plant QTLs: present and future challenges. <i>Trends in Plant Science</i> , 2005, 10, 297-304.	4.3	487
9	Genomics-based approaches to improve drought tolerance of crops. <i>Trends in Plant Science</i> , 2006, 11, 405-412.	4.3	478
10	Phenotyping for drought tolerance of crops in the genomics era. <i>Frontiers in Physiology</i> , 2012, 3, 347.	1.3	448
11	A high-density genetic map of hexaploid wheat (<i>Triticum aestivum</i> L.) from the cross Chinese Spring–ÅSQ1 and its use to compare QTLs for grain yield across a range of environments. <i>Theoretical and Applied Genetics</i> , 2005, 110, 865-880.	1.8	437
12	Quantitative Trait Loci for Grain Yield and Adaptation of Durum Wheat (<i>Triticum durum</i> Desf.) Across a Wide Range of Water Availability. <i>Genetics</i> , 2008, 178, 489-511.	1.2	397
13	A high-density, SNP-based consensus map of tetraploid wheat as a bridge to integrate durum and bread wheat genomics and breeding. <i>Plant Biotechnology Journal</i> , 2015, 13, 648-663.	4.1	386
14	Mapping QTLs Regulating Morpho-physiological Traits and Yield: Case Studies, Shortcomings and Perspectives in Drought-stressed Maize. <i>Annals of Botany</i> , 2002, 89, 941-963.	1.4	331
15	Translational research impacting on crop productivity in drought-prone environments. <i>Current Opinion in Plant Biology</i> , 2008, 11, 171-179.	3.5	324
16	Identification of QTLs for root characteristics in maize grown in hydroponics and analysis of their overlap with QTLs for grain yield in the field at two water regimes. <i>Plant Molecular Biology</i> , 2002, 48, 697-712.	2.0	285
17	Dissection and modelling of abiotic stress tolerance in plants. <i>Current Opinion in Plant Biology</i> , 2010, 13, 206-212.	3.5	281
18	Association mapping in durum wheat grown across a broad range of water regimes. <i>Journal of Experimental Botany</i> , 2011, 62, 409-438.	2.4	270

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19	Can genomics boost productivity of orphan crops?. <i>Nature Biotechnology</i> , 2012, 30, 1172-1176.	9.4	248
20	Application of genomics-assisted breeding for generation of climate resilient crops: progress and prospects. <i>Frontiers in Plant Science</i> , 2015, 6, 563.	1.7	243
21	Genetic and genomic dissection of maize root development and architecture. <i>Current Opinion in Plant Biology</i> , 2009, 12, 172-177.	3.5	230
22	Global agricultural intensification during climate change: a role for genomics. <i>Plant Biotechnology Journal</i> , 2016, 14, 1095-1098.	4.1	221
23	Population structure and long-range linkage disequilibrium in a durum wheat elite collection. <i>Molecular Breeding</i> , 2005, 15, 271-290.	1.0	212
24	Prioritizing quantitative trait loci for root system architecture in tetraploid wheat. <i>Journal of Experimental Botany</i> , 2016, 67, 1161-1178.	2.4	206
25	Barley transcript profiles under dehydration shock and drought stress treatments: a comparative analysis. <i>Journal of Experimental Botany</i> , 2006, 58, 229-240.	2.4	201
26	TILLMore, a resource for the discovery of chemically induced mutants in barley. <i>Plant Biotechnology Journal</i> , 2008, 6, 477-485.	4.1	177
27	Root-ABA1, a major constitutive QTL, affects maize root architecture and leaf ABA concentration at different water regimes. <i>Journal of Experimental Botany</i> , 2005, 56, 3061-3070.	2.4	165
28	Genome-wide analysis of yield in Europe: allelic effects as functions of drought and heat scenarios. <i>Plant Physiology</i> , 2016, 172, pp.00621.2016.	2.3	140
29	Resequencing of 145 Landmark Cultivars Reveals Asymmetric Sub-genome Selection and Strong Founder Genotype Effects on Wheat Breeding in China. <i>Molecular Plant</i> , 2020, 13, 1733-1751.	3.9	129
30	The crop QTLome comes of age. <i>Current Opinion in Biotechnology</i> , 2015, 32, 179-185.	3.3	122
31	A multiparental cross population for mapping <sc>QTL</sc> for agronomic traits in durum wheat (<i>Triticum turgidum</i> ssp. <i>durum</i>). <i>Plant Biotechnology Journal</i> , 2016, 14, 735-748.	4.1	121
32	High-throughput SNP discovery and genotyping in durum wheat (<i>Triticum durum</i> Desf.). <i>Theoretical and Applied Genetics</i> , 2011, 123, 555-569.	1.8	120
33	The development and application of molecular markers for abiotic stress tolerance in barley. <i>Journal of Experimental Botany</i> , 2000, 51, 19-27.	2.4	117
34	Comparative Aerial and Ground Based High Throughput Phenotyping for the Genetic Dissection of NDVI as a Proxy for Drought Adaptive Traits in Durum Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 893.	1.7	117
35	Toward positional cloning of Vgt1, a QTL controlling the transition from the vegetative to the reproductive phase in maize. <i>Plant Molecular Biology</i> , 2002, 48, 601-613.	2.0	116
36	Searching for novel sources of field resistance to Ug99 and Ethiopian stem rust races in durum wheat via association mapping. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1237-1256.	1.8	116

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37	Genetic dissection of seminal root architecture in elite durum wheat germplasm. <i>Annals of Applied Biology</i> , 2007, 151, 291-305.	1.3	115
38	Association mapping for root architectural traits in durum wheat seedlings as related to agronomic performance. <i>Molecular Breeding</i> , 2014, 34, 1629-1645.	1.0	115
39	The Genetic Basis of Composite Spike Form in Barley and "Miracle-Wheat"™. <i>Genetics</i> , 2015, 201, 155-165.	1.2	109
40	Genotype and phenotype associations with drought tolerance in barley tested in North Africa. <i>Annals of Applied Biology</i> , 2004, 144, 157-168.	1.3	108
41	RFLP mapping of quantitative trait loci controlling abscisic acid concentration in leaves of drought-stressed maize (<i>Zea mays</i> L.). <i>Theoretical and Applied Genetics</i> , 1998, 97, 744-755.	1.8	105
42	Searching for quantitative trait loci controlling root traits in maize: a critical appraisal. <i>Plant and Soil</i> , 2003, 255, 35-54.	1.8	104
43	Microsatellite analysis reveals a progressive widening of the genetic basis in the elite durum wheat germplasm. <i>Theoretical and Applied Genetics</i> , 2003, 107, 783-797.	1.8	104
44	Identification of <i>Hordeum spontaneum</i> QTL alleles improving field performance of barley grown under rainfed conditions. <i>Annals of Applied Biology</i> , 2004, 144, 309-319.	1.3	101
45	Extending the Marker × Environment Interaction Model for Genomic-Enabled Prediction and Genome-Wide Association Analysis in Durum Wheat. <i>Crop Science</i> , 2016, 56, 2193-2209.	0.8	101
46	An integrated DArT-SSR linkage map of durum wheat. <i>Molecular Breeding</i> , 2008, 22, 629-648.	1.0	97
47	A MITE Transposon Insertion Is Associated with Differential Methylation at the Maize Flowering Time QTL <i>Vgt1</i> . <i>Genes, Genomes, Genetics</i> , 2014, 4, 805-812.	0.8	93
48	Root-ABA1 QTL affects root lodging, grain yield, and other agronomic traits in maize grown under well-watered and water-stressed conditions. <i>Journal of Experimental Botany</i> , 2006, 58, 319-326.	2.4	89
49	QTL analysis of drought-related traits and grain yield in relation to genetic variation for leaf abscisic acid concentration in field-grown maize. <i>Journal of Experimental Botany</i> , 1999, 50, 1289-1297.	2.4	86
50	Association mapping of leaf rust response in durum wheat. <i>Molecular Breeding</i> , 2010, 26, 189-228.	1.0	86
51	A consensus framework map of durum wheat (<i>Triticum durum</i> Desf.) suitable for linkage disequilibrium analysis and genome-wide association mapping. <i>BMC Genomics</i> , 2014, 15, 873.	1.2	85
52	Genome-wide association mapping reveals a rich genetic architecture of stripe rust resistance loci in emmer wheat (<i>Triticum turgidum</i> ssp. <i>dicoccum</i>). <i>Theoretical and Applied Genetics</i> , 2017, 130, 2249-2270.	1.8	80
53	Characterization of root-yield-1.06, a major constitutive QTL for root and agronomic traits in maize across water regimes. <i>Journal of Experimental Botany</i> , 2010, 61, 3553-3562.	2.4	79
54	QTL dissection of yield components and morpho-physiological traits in a durum wheat elite population tested in contrasting thermo-pluviometric conditions. <i>Crop and Pasture Science</i> , 2014, 65, 80.	0.7	79

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55	Wheat root systems as a breeding target for climate resilience. <i>Theoretical and Applied Genetics</i> , 2021, 134, 1645-1662.	1.8	74
56	Genome-wide association mapping for seedling and field resistance to <i>Puccinia striiformis</i> f. sp. <i>tritici</i> in elite durum wheat. <i>Theoretical and Applied Genetics</i> , 2017, 130, 649-667.	1.8	71
57	Association Mapping Reveals Novel Stem Rust Resistance Loci in Durum Wheat at the Seedling Stage. <i>Plant Genome</i> , 2014, 7, plantgenome2013.08.0026.	1.6	67
58	Novel Sources of Stripe Rust Resistance Identified by Genome-Wide Association Mapping in Ethiopian Durum Wheat (<i>Triticum turgidum</i> ssp. <i>durum</i>). <i>Frontiers in Plant Science</i> , 2017, 8, 774.	1.7	66
59	Genetic dissection of maize phenology using an intraspecific introgression library. <i>BMC Plant Biology</i> , 2011, 11, 4.	1.6	63
60	Sequence-based SNP genotyping in durum wheat. <i>Plant Biotechnology Journal</i> , 2013, 11, 809-817.	4.1	63
61	Yield QTLome distribution correlates with gene density in maize. <i>Plant Science</i> , 2016, 242, 300-309.	1.7	61
62	Validation and characterization of a major QTL affecting leaf ABA concentration in maize. <i>Molecular Breeding</i> , 2005, 15, 291-303.	1.0	59
63	A major QTL for durable leaf rust resistance widely exploited in durum wheat breeding programs maps on the distal region of chromosome arm 7BL. <i>Theoretical and Applied Genetics</i> , 2008, 117, 1225-1240.	1.8	59
64	Carotenoid Pigment Content in Durum Wheat (<i>Triticum turgidum</i> L. var <i>durum</i>): An Overview of Quantitative Trait Loci and Candidate Genes. <i>Frontiers in Plant Science</i> , 2019, 10, 1347.	1.7	59
65	New Starch Phenotypes Produced by TILLING in Barley. <i>PLoS ONE</i> , 2014, 9, e107779.	1.1	59
66	Exploring and exploiting the genetic variation of Fusarium head blight resistance for genomic-assisted breeding in the elite durum wheat gene pool. <i>Theoretical and Applied Genetics</i> , 2019, 132, 969-988.	1.8	57
67	A panel of elite accessions of durum wheat (<i>Triticum durum</i> Desf.) suitable for association mapping studies. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2006, 4, 79-85.	0.4	54
68	Understanding the relationships between genetic and phenotypic structures of a collection of elite durum wheat accessions. <i>Field Crops Research</i> , 2010, 119, 91-105.	2.3	54
69	Systems Responses to Progressive Water Stress in Durum Wheat. <i>PLoS ONE</i> , 2014, 9, e108431.	1.1	52
70	Improving water use efficiency in Mediterranean agriculture: what limits the adoption of new technologies?. <i>Annals of Applied Biology</i> , 2007, 150, 157-162.	1.3	49
71	Genome-wide Approaches to Investigate and Improve Maize Response to Drought. <i>Crop Science</i> , 2007, 47, S-120.	0.8	48
72	Breeding custom-designed crops for improved drought adaptation. <i>Genetics & Genomics Next</i> , 2021, 2, e202100017.	0.8	48

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73	Validation of Quantitative Trait Loci for Multiple Disease Resistance in Barley Using Advanced Backcross Lines Developed with a Wild Barley. <i>Crop Science</i> , 2006, 46, 1179-1186.	0.8	47
74	Multi-Trait, Multi-Environment Genomic Prediction of Durum Wheat With Genomic Best Linear Unbiased Predictor and Deep Learning Methods. <i>Frontiers in Plant Science</i> , 2019, 10, 1311.	1.7	47
75	The Global Durum Wheat Panel (GDP): An International Platform to Identify and Exchange Beneficial Alleles. <i>Frontiers in Plant Science</i> , 2020, 11, 569905.	1.7	44
76	Development of COS-SNP and HRM markers for high-throughput and reliable haplotype-based detection of Lr14a in durum wheat (<i>Triticum durum</i> Desf.). <i>Theoretical and Applied Genetics</i> , 2013, 126, 1077-1101.	1.8	43
77	Dehydration survival of crop plants and its measurement. <i>Journal of Experimental Botany</i> , 2018, 69, 975-981.	2.4	43
78	Two major quantitative trait loci controlling the number of seminal roots in maize co-map with the root developmental genes <i>rtcs</i> and <i>rum1</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 1149-1159.	2.4	40
79	Progress in understanding drought tolerance: from alleles to cropping systems. <i>Journal of Experimental Botany</i> , 2018, 69, 3175-3179.	2.4	40
80	Genome-wide association mapping for grain shape and color traits in Ethiopian durum wheat (<i>Triticum</i>) Tj ETQq0 0.0 rgBT /Overlock 10	2.3	38
81	Cereal genomics: ushering in a brave new world. <i>Plant Molecular Biology</i> , 2002, 48, 445-449.	2.0	37
82	Relationships among durum wheat accessions. I. Comparative analysis of SSR, AFLP, and phenotypic data. <i>Genome</i> , 2007, 50, 373-384.	0.9	37
83	Involvement of Chromosomes 5A and 5D in Cold-Induced Abscisic Acid Accumulation in and Frost Tolerance of Wheat Calli. <i>Plant Breeding</i> , 1993, 110, 237-242.	1.0	35
84	Genetic diversity in cultivars and landraces of <i>Oryza sativa</i> subsp. <i>indica</i> as revealed by AFLP markers. <i>Genome</i> , 2002, 45, 451-459.	0.9	34
85	Cloning Qtls in Plants. , 2007, , 207-225.		33
86	Genome-wide association analysis unveils novel QTLs for seminal root system architecture traits in Ethiopian durum wheat. <i>BMC Genomics</i> , 2021, 22, 20.	1.2	33
87	Direct and Correlated Responses to Divergent Selection for Leaf Abscisic Acid Concentration in Two Maize Populations. <i>Crop Science</i> , 2001, 41, 335-344.	0.8	32
88	Strategies to increase the yield and yield stability of crops under drought “are we making progress?”. <i>Functional Plant Biology</i> , 2014, 41, 1199.	1.1	32
89	<i>ENHANCED GRAVITROPISM 2</i> encodes a STERILE ALPHA MOTIF-containing protein that controls root growth angle in barley and wheat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
90	Integration of AFLP markers into an RFLP-based map of durum wheat. <i>Plant Breeding</i> , 2000, 119, 393-401.	1.0	31

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91	Comparative analysis of genetic relationships in barley based on RFLP and RAPD markers. <i>Genome</i> , 1997, 40, 607-616.	0.9	29
92	The development and application of molecular markers for abiotic stress tolerance in barley. <i>Journal of Experimental Botany</i> , 2000, 51, 19-27.	2.4	29
93	Identification of Early Represented Gluten Proteins during Durum Wheat Grain Development. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3242-3250.	2.4	28
94	QTL for Agronomic Traits in Maize Production. , 2009, , 501-541.		28
95	Abscisic acid in developing grains of wheat and barley genotypes differing in grain weight. <i>Plant Growth Regulation</i> , 1988, 7, 3-17.	1.8	26
96	Nucleotide-binding site (NBS) profiling of genetic diversity in durum wheat. <i>Genome</i> , 2006, 49, 1473-1480.	0.9	26
97	Virulence Phenotypes and Molecular Genotypes in Collections of <i>Puccinia triticina</i> from Italy. <i>Plant Disease</i> , 2010, 94, 420-424.	0.7	26
98	Resistance to Soil-borne cereal mosaic virus in durum wheat is controlled by a major QTL on chromosome arm 2BS and minor loci. <i>Theoretical and Applied Genetics</i> , 2011, 123, 527-544.	1.8	25
99	Genetic evaluation of root complexity in maize. <i>Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science</i> , 2006, 54, 291-303.	0.2	25
100	Title is missing!. <i>Molecular Breeding</i> , 2001, 8, 169-176.	1.0	24
101	Vivipary as a tool to analyze late embryogenic events in maize. <i>Heredity</i> , 2008, 101, 465-470.	1.2	23
102	Genome studies and molecular geneticsâ€™ from sequence to crops: genomics comes of age. <i>Current Opinion in Plant Biology</i> , 2009, 12, 103-106.	3.5	23
103	Durum wheat genomics comes of age. <i>Molecular Breeding</i> , 2014, 34, 1527-1530.	1.0	23
104	Comparison between responses to gametophytic and sporophytic recurrent selection in maize (<i>Zea mays</i>) Tj ETQq0 0 0 rBT /Overlock 10 Tf 5	1.8	22
105	Effect of Abscisic Acid on Pollen Germination and Tube Growth of Maize Genotypes1. <i>Plant Breeding</i> , 1993, 110, 250-254.	1.0	22
106	Asparagine synthetase genes (AsnS1 and AsnS2) in durum wheat: structural analysis and expression under nitrogen stress. <i>Euphytica</i> , 2018, 214, 1.	0.6	21
107	Chlorsulfuron Tolerance and Acetolactate Synthase Activity in Corn (<i>Zea mays</i>) Inbred Lines. <i>Weed Science</i> , 1991, 39, 553-557.	0.8	20
108	Distribution of β -amylase I haplotypes among European cultivated barleys. <i>Molecular Breeding</i> , 2006, 18, 341-354.	1.0	20

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109	Abscisic Acid Concentration in Leaf and Xylem Sap, Leaf Water Potential, and Stomatal Conductance in Maize. <i>Crop Science</i> , 1994, 34, 1557-1563.	0.8	20
110	Comparative genomic mapping between a 754 kb region flanking DREB1A in <i>Arabidopsis thaliana</i> and maize. <i>Plant Molecular Biology</i> , 2002, 48, 741-750.	2.0	19
111	Quantitative trait loci for agronomic traits in tetraploid wheat for enhancing grain yield in Kazakhstan environments. <i>PLoS ONE</i> , 2020, 15, e0234863.	1.1	19
112	Relationships among durum wheat accessions. II. A comparison of molecular and pedigree information. <i>Genome</i> , 2007, 50, 385-399.	0.9	18
113	Genomics of plant genetic resources: an introduction. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 151-154.	0.4	18
114	Genomics-Assisted Crop Improvement: An Overview. , 2007, , 1-12.		18
115	Extension of the Messapia x <i>dicoccoides</i> linkage map of <i>Triticum turgidum</i> (L.) Thell. <i>Cellular and Molecular Biology Letters</i> , 2004, 9, 529-41.	2.7	18
116	From QTLs to Genes Controlling Root Traits in Maize. , 0, , 15-24.		16
117	Genomic Regions Associated with the Control of Flowering Time in Durum Wheat. <i>Plants</i> , 2020, 9, 1628.	1.6	15
118	Number of endosperm cells and endosperm abscisic acid content in relation to kernel weight in four barley genotypes. <i>European Journal of Agronomy</i> , 1992, 1, 125-132.	1.9	14
119	Searching for quantitative trait loci controlling root traits in maize: a critical appraisal. , 2003, , 35-54.		14
120	Genomics of Root Architecture and Functions in Maize. , 2011, , 179-204.		14
121	Two decades of InterDrought conferences: are we bridging the genotype-to-phenotype gap?. <i>Journal of Experimental Botany</i> , 2014, 65, 6137-6139.	2.4	13
122	Recurrent Selection for Regeneration Capacity from Immature Embryo-Derived Calli in Maize. <i>Crop Science</i> , 1994, 34, 343-347.	0.8	13
123	Biotechnology for a more sustainable world. <i>Biotechnology Advances</i> , 2012, 30, 931-932.	6.0	12
124	<i>In vitro</i> physical mutagenesis of giant reed (<i>Arundo donax</i> L.). <i>GCB Bioenergy</i> , 2017, 9, 1380-1389.	2.5	12
125	High-throughput field phenotyping reveals genetic variation in photosynthetic traits in durum wheat under drought. <i>Plant, Cell and Environment</i> , 2021, 44, 2858-2878.	2.8	12
126	Genome Wide Association Study Uncovers the QTLome for Osmotic Adjustment and Related Drought Adaptive Traits in Durum Wheat. <i>Genes</i> , 2022, 13, 293.	1.0	12

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127	Genetic and environmental effects on abscisic acid accumulation in leaves of field-grown maize. <i>Euphytica</i> , 1994, 78, 81-89.	0.6	11
128	Genetic analysis of Soil-Borne Cereal Mosaic Virus response in durum wheat: evidence for the role of the major quantitative trait locus QSbm.ubo-2BS and of minor quantitative trait loci. <i>Molecular Breeding</i> , 2012, 29, 973-988.	1.0	11
129	Yield of chromosomally engineered durum wheat- <i>Thinopyrum ponticum</i> recombinant lines in a range of contrasting rain-fed environments. <i>Field Crops Research</i> , 2018, 228, 147-157.	2.3	11
130	Reduced response diversity does not negatively impact wheat climate resilience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10623-10624.	3.3	11
131	Unravelling the Genetic Basis of Drought Tolerance in Crops. , 2003, , 71-122.		11
132	QTLs and Genes for Tolerance to Abiotic Stress in Cereals. , 2004, , 253-315.		9
133	Dissecting Qtls For Tolerance to Drought and Salinity. , 2007, , 381-411.		9
134	Improving crop performance under drought “ cross-fertilization of disciplines. <i>Journal of Experimental Botany</i> , 2017, 68, 1393-1398.	2.4	8
135	Genomics of Tolerance to Abiotic Stress in the Triticeae. , 2009, , 481-558.		8
136	Starch metabolism mutants in barley: A TILLING approach. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 170-173.	0.4	7
137	Genomic tools for durum wheat breeding: de novo assembly of Svevo transcriptome and SNP discovery in elite germplasm. <i>BMC Genomics</i> , 2019, 20, 278.	1.2	7
138	Genetic Diversity of Japanese Barley Cultivars Based on SSR Analysis.. <i>Breeding Science</i> , 2001, 51, 215-218.	0.9	7
139	Identification of root morphology mutants in barley. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 357-360.	0.4	6
140	Divergent Selection for Heading Date in Barley. <i>Plant Breeding</i> , 1986, 97, 345-351.	1.0	5
141	Genetic variation for aerenchyma and other root anatomical traits in durum wheat (<i>Triticum durum</i>) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	5
142	Leveraging plant genomics for better and healthier food. <i>Current Opinion in Food Science</i> , 2017, 16, 100-105.	4.1	5
143	Genomics of plant genetic resources: a gateway to a new era of global food security. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2014, 12, S2-S5.	0.4	4
144	Carbon Isotope Composition and the NDVI as Phenotyping Approaches for Drought Adaptation in Durum Wheat: Beyond Trait Selection. <i>Agronomy</i> , 2020, 10, 1679.	1.3	4

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145	Sequence-Based Marker Assisted Selection in Wheat. , 2022, , 513-538.		3
146	Genomics Approaches to Dissect the Genetic Basis of Drought Resistance in Durum Wheat. , 2015, , 213-223.		2
147	Fine mapping approaches of two major QTLs for yield in durum wheat. Journal of Biotechnology, 2010, 150, 501-502.	1.9	1
148	1 out of 27"European politicians score poorly in agbiotech. Nature Biotechnology, 2010, 28, 551-552.	9.4	1
149	Marker-Assisted breeding/breed, see also animal breeding marker-assisted Breeding breeding/breed, see also animal breeding in Crops. , 2013, , 1158-1181.		1
150	Registration of Gasp" Flint 1.1.1, a small"size early"flowering maize inbred line. Journal of Plant Registrations, 0, , .	0.4	1
151	Comparative Analyses of the Genetic Diversity among European Spelt and Wheat Accessions with AFLP, RFLP and SSR Markers. Developments in Plant Breeding, 2001, , 733-738.	0.2	1
152	Molecular Bases of Plant Adaptation to Abiotic Stress and Approaches to Enhance Tolerance to Hostile Environments. , 0, , .		1
153	Direct and Correlated Responses to Four Cycles of Divergent Selection for Heading Date in Barley*. Plant Breeding, 1988, 101, 313-320.	1.0	0
154	Principles and practices of plant penomics. Volume 1. Genome mapping. Annals of Botany, 2008, 102, 879-880.	1.4	0
155	TILLMore: a Forward- and a Reverse-Genetics Resource for the Identification of Root Morphology-Related Mutants. Journal of Biotechnology, 2010, 150, 497-497.	1.9	0
156	Starch Metabolism Mutants in Barley: a TILLING Approach. Journal of Biotechnology, 2010, 150, 497-498.	1.9	0
157	Biotechnology for enhancing plant production and food quality: IBS 2010 part III. Journal of Biotechnology, 2012, 159, 249-250.	1.9	0
158	Marker-Assisted Breeding in Crops. , 2019, , 453-475.		0
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