Lili Qi

List of Publications by Year
in descending order

66 papers	2,443 citations	218677 26 h-index	206112 48 g-index
68 all docs	68 docs citations	68 times ranked	1819 citing authors

#	Article	IF	Citations
1	A Chromosome Bin Map of 16,000 Expressed Sequence Tag Loci and Distribution of Genes Among the Three Genomes of Polyploid Wheat. Genetics, 2004, 168, 701-712.	2.9	369
2	Homoeologous recombination, chromosome engineering and crop improvement. Chromosome Research, 2007, 15, 3-19.	2.2	278
3	Molecular characterization of a set of wheat deletion stocks for use in chromosome bin mapping of ESTs. Functional and Integrative Genomics, 2003, 3, 39-55.	3.5	138
4	Molecular cytogenetic characterization of alien introgressions with gene Fhb3 for resistance to Fusarium head blight disease of wheat. Theoretical and Applied Genetics, 2008, 117, 1155-1166.	3.6	132
5	An innovative SNP genotyping method adapting to multiple platforms and throughputs. Theoretical and Applied Genetics, 2017, 130, 597-607.	3.6	124
6	A High-Density SNP Map of Sunflower Derived from RAD-Sequencing Facilitating Fine-Mapping of the Rust Resistance Gene R12. PLoS ONE, 2014, 9, e98628.	2.5	93
7	Development of a complete set of Triticum aestivum-Aegilops speltoides chromosome addition lines. Theoretical and Applied Genetics, 2000, 101, 51-58.	3.6	91
8	De novo sequencing of sunflower genome for SNP discovery using RAD (Restriction site Associated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	83
9	Pl 17 is a novel gene independent of known downy mildew resistance genes in the cultivated sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2015, 128, 757-767.	3.6	59
10	Genetics and mapping of the R 11 gene conferring resistance to recently emerged rust races, tightly linked to male fertility restoration, in sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2012, 125, 921-932.	3.6	58
11	Genetics and mapping of a novel downy mildew resistance gene, Pl 18 , introgressed from wild Helianthus argophyllus into cultivated sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2016, 129, 741-752.	3.6	57
12	Identification of Resistance to New Virulent Races of Rust in Sunflowers and Validation of DNA Markers in the Gene Pool. Phytopathology, 2011, 101, 241-249.	2.2	50
13	Genotyping-by-sequencing targeting of a novel downy mildew resistance gene Pl 20 from wild Helianthus argophyllus for sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2017, 130, 1519-1529.	3.6	47
14	Wheatâ€“Thinopyrum Intermedium Recombinants Resistant to Wheat Streak Mosaic Virus and Triticum Mosaic Virus. Crop Science, 2009, 49, 1221-1226.	1.8	45
15	Identification and physical mapping of three Haynaldia villosa chromosome-6V deletion lines. Theoretical and Applied Genetics, 1998, 97, 1042-1046.	3.6	44
16	High-density physical maps reveal that the dominant male-sterile gene Ms3 is located in a genomic region of low recombination in wheat and is not amenable to map-based cloning. Theoretical and Applied Genetics, 2001, 103, 998-1006.	3.6	44
17	Complex genome rearrangements reveal evolutionary dynamics of pericentromeric regions in the Triticeae. Genome, 2006, 49, 1628-1639.	2.0	41
18	Development and dissection of diagnostic SNP markers for the downy mildew resistance genes Pl Arg and Pl 8 and maker-assisted gene pyramiding in sunflower (Helianthus annuus L.). Molecular Genetics and Genomics, 2017, 292, 551-563.	2.1	37

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19	Molecular mapping of the rust resistance gene R 4 to a large NBS-LRR cluster on linkage group 13 of sunflower. Theoretical and Applied Genetics, 2011, 123, 351-358.	3.6	36
20	Linkage Mapping and Genome-Wide Association Studies of the Rf Gene Cluster in Sunflower (Helianthus annuus L.) and Their Distribution in World Sunflower Collections. Frontiers in Genetics, 2019, 10, 216.	2.3	34
21	Molecular tagging of a novel rust resistance gene R 12 in sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2013, 126, 93-99.	3.6	33
22	Candidate gene association mapping of Sclerotinia stalk rot resistance in sunflower (Helianthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 193-209.	3.6	33
23	Discovery and introgression of the wild sunflower-derived novel downy mildew resistance gene Pl 19 in confection sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2017, 130, 29-39.	3.6	32
24	SNP Discovery and QTL Mapping of Sclerotinia Basal Stalk Rot Resistance in Sunflower using Genotypingâ€byâ€Sequencing. Plant Genome, 2016, 9, plantgenome2016.03.0035.	2.8	31
25	Genetic mapping of rust resistance genes in confection sunflower line HA-R6 and oilseed line RHA 397. Theoretical and Applied Genetics, 2013, 126, 2039-2049.	3.6	30
26	Relocation of a rust resistance gene R 2 and its marker-assisted gene pyramiding in confection sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2015, 128, 477-488.	3.6	28
27	Molecular mapping of the downy mildew and rust resistance genes in a sunflower germplasm line TX16R. Molecular Breeding, 2019, 39, 1.	2.1	25
28	A strategy for enhancing recombination in proximal regions of chromosomes. Chromosome Research, 2002, 10, 645-654.	2.2	23
29	The compact Brachypodium genome conserves centromeric regions of a common ancestor with wheat and rice. Functional and Integrative Genomics, 2010, 10, 477-492.	3.5	22
30	Chromosome location, DNA markers and rust resistance of the sunflower gene R 5. Molecular Breeding, 2012, 30, 745-756.	2.1	22
31	Diversification of the downy mildew resistance gene pool by introgression of a new gene, Pl35, from wild Helianthus argophyllus into oilseed and confection sunflowers (Helianthus annuus L.). Theoretical and Applied Genetics, 2019, 132, 2553-2565.	3.6	20
32	Marker-Assisted Gene Pyramiding and the Reliability of Using SNP Markers Located in the Recombination Suppressed Regions of Sunflower (Helianthus annuus L.). Genes, 2020, 11, 10.	2.4	20
33	High-throughput genotyping-by-sequencing facilitates molecular tagging of a novel rustÂresistance gene, R 15 , in sunflower (Helianthus annuus L.). Theoretical and Applied Genetics, 2018, 131, 1423-1432.	3.6	19
34	Homoeologous relationships of Haynaldia villosa chromosomes with those of Triticum aestivum as revealed by RFLP analysis.. Genes and Genetic Systems, 1999, 74, 77-82.	0.7	17
35	A Unified Single Nucleotide Polymorphism Map of Sunflower (Helianthus annuus L.) Derived from Current Genomic Resources. Crop Science, 2015, 55, 1696-1702.	1.8	16
36	Molecular dissection of resistance gene cluster and candidate gene identification of Pl17 and Pl19 in sunflower by whole-genome resequencing. Scientific Reports, 2019, 9, 14974.	3.3	16

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37	Registration of a Male Fertility Restorer Oilseed Sunflower Germplasm, HAâ€Ř9, Resistant to Sunflower Rust. Journal of Plant Registrations, 2013, 7, 353-357.	0.5	15
38	A Molecular-Cytogenetic Method for Locating Genes to Pericentromeric Regions Facilitates a Genomewide Comparison of Synteny Between the Centromeric Regions of Wheat and Rice. Genetics, 2009, 183, 1235-1247.	2.9	14
39	Sequence organization and evolutionary dynamics of Brachypodium-specific centromere retrotransposons. Chromosome Research, 2013, 21, 507-521.	2.2	14
40	Map saturation and SNP marker development for the rust resistance genes (R 4 , R 5 , R 13a , and R 13b) in sunflower (Helianthus annuus L.). Molecular Breeding, 2015, 35, 1.	2.1	14
41	Genotyping-by-Sequencing Uncovers the Introgression Alien Segments Associated with Sclerotinia Basal Stalk Rot Resistance from Wild Speciesâ€"I. Helianthus argophyllus and H. petiolaris. Frontiers in Genetics, 2016, 7, 219.	2.3	14
42	High-Density Mapping and Candidate Gene Analysis of Pl18 and Pl20 in Sunflower by Whole-Genome Resequencing. International Journal of Molecular Sciences, 2020, 21, 9571.	4.1	12
43	Genetic Dissection of Phomopsis Stem Canker Resistance in Cultivated Sunflower Using High Density SNP Linkage Map. International Journal of Molecular Sciences, 2020, 21, 1497.	4.1	11
44	Registration of Three Confection Sunflower Germplasm, HAâ€ĐM2, HAâ€ĐM3, and HAâ€ĐM4, Resistant to Downy Mildew and Rust. Journal of Plant Registrations, 2019, 13, 103-108.	0.5	9
45	Cloning and characterization of the homoeologous genes for the Rec8-like meiotic cohesin in polyploid wheat. BMC Plant Biology, 2018, 18, 224.	3.6	8
46	Unraveling the Sclerotinia Basal Stalk Rot Resistance Derived From Wild Helianthus argophyllus Using a High-Density Single Nucleotide Polymorphism Linkage Map. Frontiers in Plant Science, 2020, 11, 617920.	3.6	8
47	Registration of Oilseed Sunflower Germplasms RHA 461, RHA 462, RHA 463, HA 465, HA 466, HA 467, and RHA 468 with Diversity in Sclerotinia Resistance, Yield, and Other Traits. Journal of Plant Registrations, 2018, 12, 142-147.	0.5	7
48	Introgression and monitoring of wild Helianthus praecox alien segments associated with Sclerotinia basal stalk rot resistance in sunflower using genotyping-by-sequencing. PLoS ONE, 2019, 14, e0213065.	2.5	7
49	Map and sequence-based chromosome walking towards cloning of the male fertility restoration gene Rf5 linked to R11 in sunflower. Scientific Reports, 2021, 11, 777.	3.3	7
50	Registration of an Oilseed Sunflower Germplasm HAâ€ĐM1 Resistant to Sunflower Downy Mildew. Journal of Plant Registrations, 2016, 10, 195-199.	0.5	7
51	Discovery and mapping of two new rust resistance genes, R17 and R18, in sunflower using genotyping by sequencing. Theoretical and Applied Genetics, 2021, 134, 2291-2301.	3.6	6
52	Registration of Two Double Rust Resistant Germplasms, HAâ€Ř12 and HAâ€Ř13 for Confection Sunflower. Journal of Plant Registrations, 2016, 10, 69-74.	0.5	6
53	Characterization and mapping of a downy mildew resistance gene, Pl36, in sunflower (Helianthus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	5
54	Genomic Insights Into Sclerotinia Basal Stalk Rot Resistance Introgressed From Wild Helianthus praecox Into Cultivated Sunflower (Helianthus annuus L.). Frontiers in Plant Science, 2022, 13, .	3.6	5

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55	A Quantitative Genetic Study of Sclerotinia Head Rot Resistance Introgressed from the Wild Perennial Helianthus maximiliani into Cultivated Sunflower (Helianthus annuus L.). International Journal of Molecular Sciences, 2022, 23, 7727.	4.1	4
56	Origin, structure, and behavior of a highly rearranged deletion chromosome 1BS-4 in wheat. Genome, 2005, 48, 591-597.	2.0	3
57	Molecular mapping of three nuclear male sterility mutant genes in cultivated sunflower (Helianthus) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	3
58	Registration of Oilseed Sunflower Germplasm HAâ€BSR1 Highly Tolerant to Sclerotinia Basal Stalk Rot. Journal of Plant Registrations, 2017, 11, 315-319.	0.5	3
59	Registration of Oilseed Sunflower Germplasms HAâ€BSR2, HAâ€BSR3, HAâ€BSR4, and HAâ€BSR5 with Resistance to Sclerotinia Basal Stalk Rot and Downy Mildew. Journal of Plant Registrations, 2018, 12, 399-404.	0.5	3
60	Registration of Oilseed Sunflower Germplasms HAâ€BSR6, HAâ€BSR7, and HAâ€BSR8 Highly Resistant to Sclerotinia Basal Stalk Rot and Downy Mildew. Journal of Plant Registrations, 2019, 13, 433-438.	0.5	3
61	Meiotic metaphase I pairing behavior of a 5BL recombinant isochromosome in wheat. Chromosome Research, 2000, 8, 671-676.	2.2	2
62	Registration of two confection sunflower germplasms, HAâ€DM5 and HAâ€DM6, resistant to sunflower downy mildew. Journal of Plant Registrations, 2020, 14, 87-91.	0.5	2
63	Registration of Two Confection Sunflower Germplasm Lines, HA-R10 and HA-R11, Resistant to Sunflower Rust. Journal of Plant Registrations, 2014, 8, 329-333.	0.5	2
64	Recombination in an isochromosome preferentially occurs between cis isochromatids. Chromosoma, 2000, 109, 390-396.	2.2	1
65	Registration of HAâ€R14, HAâ€R15, HAâ€R16, and HAâ€R17 oilseed sunflower germplasm with broad resistance to rust and downy mildew. Journal of Plant Registrations, 0, , .	0.5	1
66	Registration of two oilseed sunflower germplasms HAâ€DM7 and HAâ€DM8 resistant to sunflower downy mildew. Journal of Plant Registrations, 0, , .	0.5	0