

Zhongyun Piao

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

930
citations

623699

14
h-index

477281

29
g-index

31
all docs

31
docs citations

31
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetics of Clubroot Resistance in Brassica Species. <i>Journal of Plant Growth Regulation</i> , 2009, 28, 252-264.	5.1	120
2	Transcriptome Analysis of Brassica rapa Near-Isogenic Lines Carrying Clubroot-Resistant and Susceptible Alleles in Response to Plasmodiophora brassicae during Early Infection. <i>Frontiers in Plant Science</i> , 2015, 6, 1183.	3.6	118
3	Identification of Novel QTLs for Isolate-Specific Partial Resistance to Plasmodiophora brassicae in Brassica rapa. <i>PLoS ONE</i> , 2013, 8, e85307.	2.5	95
4	Identification and Mapping of the Clubroot Resistance Gene CRd in Chinese Cabbage (Brassica rapa ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	93
5	Fine genetic and physical mapping of the CRb gene conferring resistance to clubroot disease in Brassica rapa. <i>Molecular Breeding</i> , 2014, 34, 1173-1183.	2.1	66
6	Genome Wide Identification and Expression Profiling of SWEET Genes Family Reveals Its Role During Plasmodiophora brassicae-Induced Formation of Clubroot in Brassica rapa. <i>Frontiers in Plant Science</i> , 2018, 9, 207.	3.6	64
7	Genome-wide identification and expression analysis of chitinase gene family in Brassica rapa reveals its role in clubroot resistance. <i>Plant Science</i> , 2018, 270, 257-267.	3.6	46
8	Cytological and morphological analysis of hybrids between Brassicoraphanus, and Brassica napus for introgression of clubroot resistant trait into Brassica napus L. <i>PLoS ONE</i> , 2017, 12, e0177470.	2.5	39
9	Construction of chromosome segment substitution lines enables QTL mapping for flowering and morphological traits in Brassica rapa. <i>Frontiers in Plant Science</i> , 2015, 6, 432.	3.6	34
10	Genetic detection of clubroot resistance loci in a new population of Brassica rapa. <i>Horticulture Environment and Biotechnology</i> , 2014, 55, 540-547.	2.1	33
11	Development of a Sinitic Clubroot Differential Set for the Pathotype Classification of Plasmodiophora brassicae. <i>Frontiers in Plant Science</i> , 2020, 11, 568771.	3.6	29
12	Mapping quantitative trait loci for leaf and heading-related traits in Chinese cabbage (Brassica rapa L.) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.1	22
13	Identification and analysis of anthocyanin components in fruit color variation in Schisandra chinensis. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3213-3219.	3.5	20
14	Brassica rapa orphan genes largely affect soluble sugar metabolism. <i>Horticulture Research</i> , 2020, 7, 181.	6.3	19
15	Construction of a high-density genetic linkage map and identification of quantitative trait loci associated with clubroot resistance in radish (Raphanus sativus L.). <i>Molecular Breeding</i> , 2019, 39, 1.	2.1	18
16	R gene triplication confers European fodder turnip with improved clubroot resistance. <i>Plant Biotechnology Journal</i> , 2022, 20, 1502-1517.	8.3	15
17	Mining of Brassica-Specific Genes (BSGs) and Their Induction in Different Developmental Stages and under Plasmodiophora brassicae Stress in Brassica rapa. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2064.	4.1	14
18	Association of Clubroot Resistance Locus PbBa8.1 With a Linkage Drag of High Erucic Acid Content in the Seed of the European Turnip. <i>Frontiers in Plant Science</i> , 2020, 11, 810.	3.6	14

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19	Development of a leafy Brassica rapa fixed line collection for genetic diversity and population structure analysis. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	13
20	Genome-wide identification and role of MKK and MPK gene families in clubroot resistance of Brassica rapa. <i>PLoS ONE</i> , 2018, 13, e0191015.	2.5	11
21	Integrated analysis of leaf morphological and color traits in different populations of Chinese cabbage (<i>Brassica rapa</i> ssp. <i>pekinensis</i>). <i>Theoretical and Applied Genetics</i> , 2017, 130, 1617-1634.	3.6	9
22	Identification of AFLP markers linked to Ms, a genic multiple allele inherited male-sterile gene in Chinese cabbage. <i>Breeding Science</i> , 2009, 59, 333-339.	1.9	8
23	Sugar Transporters in <i>Plasmodiophora brassicae</i> : Genome-Wide Identification and Functional Verification. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5264.	4.1	6
24	Spatiotemporal Quantification of <i>Plasmodiophora brassicae</i> Inoculum in Relation to Clubroot Development Under Inoculated and Naturally Infested Field Conditions. <i>Plant Disease</i> , 2021, 105, 3636-3642.	1.4	5
25	A Loop-Mediated Isothermal DNA Amplification (LAMP) Assay for Detection of the Clubroot Pathogen <i>Plasmodiophora brassicae</i> . <i>Plant Disease</i> , 2022, 106, 1730-1735.	1.4	5
26	Identification and Characterization of Circular RNAs in Brassica rapa in Response to <i>Plasmodiophora brassicae</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 5369.	4.1	4
27	Marker-Assisted Pyramiding of Genes for Multilocular Ovaries, Self-Compatibility, and Clubroot Resistance in Chinese Cabbage (<i>Brassica rapa</i> L. ssp. <i>pekinensis</i>). <i>Horticulturae</i> , 2022, 8, 139.	2.8	3
28	Establishment of adventitious root cultures and assessment of secoiridoid production in the Chinese medicinal plant <i>Gentiana scabra</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 0, , 1.	2.1	2
29	A high-throughput turbidimetric method for quantitative preparation of <i>Plasmodiophora brassicae</i> inoculum for bioassays. <i>Annals of Applied Biology</i> , 2022, 181, 33-39.	2.5	1
30	Transferring of clubroot-resistant locus <i>CRd</i> from Chinese cabbage (<i>Brassica</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> <i>Breeding Science</i> , 2022, , .	1.9	1