

Xiyue Song

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

356
citations

933447

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#	ARTICLE	IF	CITATIONS
1	Identification of Proteins Involved in Carbohydrate Metabolism and Energy Metabolism Pathways and Their Regulation of Cytoplasmic Male Sterility in Wheat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 324.	4.1	47
2	Tapetal-Delayed Programmed Cell Death (PCD) and Oxidative Stress-Induced Male Sterility of <i>Aegilops uniaristata</i> Cytoplasm in Wheat. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1708.	4.1	41
3	Oxidative Stress and Aberrant Programmed Cell Death Are Associated With Pollen Abortion in Isonuclear Alloplasmic Male-Sterile Wheat. <i>Frontiers in Plant Science</i> , 2018, 9, 595.	3.6	37
4	Identification of Candidate Genes and Biosynthesis Pathways Related to Fertility Conversion by Wheat KTM3315A Transcriptome Profiling. <i>Frontiers in Plant Science</i> , 2017, 8, 449.	3.6	31
5	Cytological characterization of a thermo-sensitive cytoplasmic male-sterile wheat line having K-type cytoplasm of <i>Aegilops kotschyi</i> . <i>Breeding Science</i> , 2016, 66, 752-761.	1.9	25
6	Genome-Wide Investigation of Heat Shock Transcription Factor Family in Wheat (<i>Triticum aestivum</i> L.) and Possible Roles in Anther Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 608.	4.1	23
7	Comparative transcriptome analysis indicates that a core transcriptional network mediates isonuclear alloplasmic male sterility in wheat (<i>Triticum aestivum</i> L.). <i>BMC Plant Biology</i> , 2020, 20, 10.	3.6	21
8	Blocked synthesis of sporopollenin and jasmonic acid leads to pollen wall defects and anther indehiscence in genic male sterile wheat line 4110S at high temperatures. <i>Functional and Integrative Genomics</i> , 2020, 20, 383-396.	3.5	17
9	Identification and verification of genes related to pollen development and male sterility induced by high temperature in the thermo-sensitive genic male sterile wheat line. <i>Planta</i> , 2021, 253, 83.	3.2	17
10	Fine mapping and validation of a major QTL for grain weight on chromosome 5B in bread wheat. <i>Theoretical and Applied Genetics</i> , 2021, 134, 3731-3741.	3.6	14
11	A Sterility Induction Trait in the Genic Male Sterility Wheat Line 4110S Induced by High Temperature and its Cytological Response. <i>Crop Science</i> , 2018, 58, 1866-1876.	1.8	12
12	iTRAQ-Based Proteomics Analyses of Sterile/Fertile Anthers from a Thermo-Sensitive Cytoplasmic Male-Sterile Wheat with <i>Aegilops kotschyi</i> Cytoplasm. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1344.	4.1	11
13	Identification and validation of genetic loci for tiller angle in bread wheat. <i>Theoretical and Applied Genetics</i> , 2020, 133, 3037-3047.	3.6	11
14	Analysis of metabolic pathways related to fertility restoration and identification of fertility candidate genes associated with <i>Aegilops kotschyi</i> cytoplasm in wheat (<i>Triticum aestivum</i> L.). <i>BMC Plant Biology</i> , 2019, 19, 252.	3.6	9
15	Comprehensive analysis of polygalacturonase gene family highlights candidate genes related to pollen development and male fertility in wheat (<i>Triticum aestivum</i> L.). <i>Planta</i> , 2020, 252, 31.	3.2	7
16	Comprehensive analysis of LIM gene family in wheat reveals the involvement of TaLIM2 in pollen development. <i>Plant Science</i> , 2021, 314, 111101.	3.6	7
17	Comparative transcriptome analysis indicates conversion of stamens into pistil-like structures in male sterile wheat (<i>Triticum aestivum</i> L.) with <i>Aegilops crassa</i> cytoplasm. <i>BMC Genomics</i> , 2020, 21, 124.	2.8	5
18	Identification and validation of genetic locus Rfk1 for wheat fertility restoration in the presence of <i>Aegilops kotschyi</i> cytoplasm. <i>Theoretical and Applied Genetics</i> , 2021, 134, 875-885.	3.6	5

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19	Identification of genes related to the regulation of anther and pollen development in Mu-type cytoplasmic male sterile wheat (<i>Triticum aestivum</i>) by transcriptome analysis. <i>Crop and Pasture Science</i> , 2019, 70, 306.	1.5	5
20	The gene TaPG encoding a polygalacturonase is critical for pollen development and male fertility in thermo-sensitive cytoplasmic male-sterility wheat. <i>Gene</i> , 2022, 833, 146596.	2.2	5
21	Genome-wide analysis of GELP gene family in wheat and validation of TaGELP073 involved in anther and pollen development. <i>Environmental and Experimental Botany</i> , 2022, 200, 104914.	4.2	2
22	Genome-wide analysis of invertase gene family in wheat (<i>Triticum aestivum</i> L.) indicates involvement of TaCWINVs in pollen development. <i>Plant Growth Regulation</i> , 2022, 98, 77-89.	3.4	2