

# Shaoling Zhang

## List of Publications by Citations

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164  
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4,938  
ext. citations

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L-index

#	Paper	IF	Citations
164	The genome of the pear ( <i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , <b>2013</b> , 23, 396-408	9.7	615
163	Gene duplication and evolution in recurring polyploidization-diploidization cycles in plants. <i>Genome Biology</i> , <b>2019</b> , 20, 38	18.3	180
162	Spermidine oxidase-derived H <sub>2</sub> O <sub>2</sub> regulates pollen plasma membrane hyperpolarization-activated Ca <sup>2+</sup> -permeable channels and pollen tube growth. <i>Plant Journal</i> , <b>2010</b> , 63, 1042-53	6.9	152
161	Map-based cloning of the pear gene MYB114 identifies an interaction with other transcription factors to coordinately regulate fruit anthocyanin biosynthesis. <i>Plant Journal</i> , <b>2017</b> , 92, 437-451	6.9	147
160	Anatomy, ultrastructure and lignin distribution of stone cells in two <i>Pyrus</i> species. <i>Plant Science</i> , <b>2009</b> , 176, 413-419	5.3	90
159	Genome-wide identification and comparative analysis of the heat shock transcription factor family in Chinese white pear ( <i>Pyrus bretschneideri</i> ) and five other Rosaceae species. <i>BMC Plant Biology</i> , <b>2015</b> , 15, 12	5.3	88
158	Diversification and independent domestication of Asian and European pears. <i>Genome Biology</i> , <b>2018</b> , 19, 77	18.3	75
157	Identification of miRNAs involved in pear fruit development and quality. <i>BMC Genomics</i> , <b>2014</b> , 15, 953	4.5	66
156	Evaluation of the volatile profile of 33 <i>Pyrus ussuriensis</i> cultivars by HS-SPME with GC-MS. <i>Food Chemistry</i> , <b>2012</b> , 134, 2367-82	8.5	60
155	ICE1 of <i>Pyrus ussuriensis</i> functions in cold tolerance by enhancing PuDREBa transcriptional levels through interacting with PuHHP1. <i>Scientific Reports</i> , <b>2015</b> , 5, 17620	4.9	55
154	Genome-wide analysis of WRKY transcription factors in white pear ( <i>Pyrus bretschneideri</i> ) reveals evolution and patterns under drought stress. <i>BMC Genomics</i> , <b>2015</b> , 16, 1104	4.5	50
153	Phosphatidic Acid Counteracts S-RNase Signaling in Pollen by Stabilizing the Actin Cytoskeleton. <i>Plant Cell</i> , <b>2018</b> , 30, 1023-1039	11.6	47
152	A novel MYB transcription factor regulates ascorbic acid synthesis and affects cold tolerance. <i>Plant, Cell and Environment</i> , <b>2019</b> , 42, 832-845	8.4	45
151	Self-incompatibility in <i>Papaver rhoeas</i> activates nonspecific cation conductance permeable to Ca <sup>2+</sup> and K <sup>+</sup> . <i>Plant Physiology</i> , <b>2011</b> , 155, 963-73	6.6	43
150	Transcriptome profiling reveals differential gene expression in proanthocyanidin biosynthesis associated with red/green skin color mutant of pear ( <i>Pyrus communis</i> L.). <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 795	6.2	42
149	Distinct transcriptome profiles reveal gene expression patterns during fruit development and maturation in five main cultivated species of pear ( <i>Pyrus</i> L.). <i>Scientific Reports</i> , <b>2016</b> , 6, 28130	4.9	36
148	Identifying genetic diversity and a preliminary core collection of <i>Pyrus pyrifolia</i> cultivars by a genome-wide set of SSR markers. <i>Scientia Horticulturae</i> , <b>2014</b> , 167, 5-16	4.1	36

147	Characterization and Quantification of Polyphenols and Triterpenoids in Thinned Young Fruits of Ten Pear Varieties by UPLC-Q TRAP-MS/MS. <i>Molecules</i> , <b>2019</b> , 24,	4.8	35
146	A WRKY transcription factor PbrWRKY53 from <i>Pyrus betulaeifolia</i> is involved in drought tolerance and AsA accumulation. <i>Plant Biotechnology Journal</i> , <b>2019</b> , 17, 1770-1787	11.6	35
145	Different Modes of Gene Duplication Show Divergent Evolutionary Patterns and Contribute Differently to the Expansion of Gene Families Involved in Important Fruit Traits in Pear (). <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 161	6.2	35
144	Genomic characterization, phylogenetic comparison and differential expression of the cyclic nucleotide-gated channels gene family in pear ( <i>Pyrus bretschneideri</i> Rehd.). <i>Genomics</i> , <b>2015</b> , 105, 39-52	4.3	34
143	Characterization of the lipoxygenase (LOX) gene family in the Chinese white pear ( <i>Pyrus bretschneideri</i> ) and comparison with other members of the Rosaceae. <i>BMC Genomics</i> , <b>2014</b> , 15, 444	4.5	33
142	The effect of temperature, polyamines and polyamine synthesis inhibitor on in vitro pollen germination and pollen tube growth of <i>Prunus mume</i> . <i>Scientia Horticulturae</i> , <b>2004</b> , 99, 289-299	4.1	33
141	The bracteatus pineapple genome and domestication of clonally propagated crops. <i>Nature Genetics</i> , <b>2019</b> , 51, 1549-1558	36.3	32
140	Unbiased subgenome evolution following a recent whole-genome duplication in pear (Rehd.). <i>Horticulture Research</i> , <b>2019</b> , 6, 34	7.7	31
139	Genetic diversity and population structure of pear ( <i>Pyrus</i> spp.) collections revealed by a set of core genome-wide SSR markers. <i>Tree Genetics and Genomes</i> , <b>2015</b> , 11, 1	2.1	30
138	Chemical composition, crystal morphology and key gene expression of cuticular waxes of Asian pears at harvest and after storage. <i>Postharvest Biology and Technology</i> , <b>2017</b> , 132, 71-80	6.2	28
137	The mining and evolutionary investigation of AP2/ERF genes in pear ( <i>Pyrus</i> ). <i>BMC Plant Biology</i> , <b>2018</b> , 18, 46	5.3	28
136	Genome-wide characterization, evolution, and expression analysis of the leucine-rich repeat receptor-like protein kinase (LRR-RLK) gene family in Rosaceae genomes. <i>BMC Genomics</i> , <b>2017</b> , 18, 763	4.5	27
135	Evolution of the aroma volatiles of pear fruits supplemented with fatty acid metabolic precursors. <i>Molecules</i> , <b>2014</b> , 19, 20183-96	4.8	26
134	Identification and testing of reference genes for gene expression analysis in pollen of <i>Pyrus bretschneideri</i> . <i>Scientia Horticulturae</i> , <b>2015</b> , 190, 43-56	4.1	25
133	Gene-expression profile of developing pollen tube of <i>Pyrus bretschneideri</i> . <i>Gene Expression Patterns</i> , <b>2016</b> , 20, 11-21	1.5	25
132	Apoplastic calmodulin promotes self-incompatibility pollen tube growth by enhancing calcium influx and reactive oxygen species concentration in <i>Pyrus pyrifolia</i> . <i>Plant Cell Reports</i> , <b>2014</b> , 33, 255-63	5.1	25
131	Identifying the candidate genes involved in the calyx abscission process of 'Kuerlexiangli' ( <i>Pyrus sinkiangensis</i> Yu) by digital transcript abundance measurements. <i>BMC Genomics</i> , <b>2013</b> , 14, 727	4.5	25
130	Development of an integrated 200K SNP genotyping array and application for genetic mapping, genome assembly improvement and genome wide association studies in pear ( <i>Pyrus</i> ). <i>Plant Biotechnology Journal</i> , <b>2019</b> , 17, 1582-1594	11.6	24

129	Genome-wide identification and comparative analysis of the cation proton antiporters family in pear and four other Rosaceae species. <i>Molecular Genetics and Genomics</i> , <b>2016</b> , 291, 1727-42	3.1	23
128	Integrated high-density consensus genetic map of <i>Pyrus</i> and anchoring of the 'Bartlett' v1.0 ( <i>Pyrus communis</i> ) genome. <i>DNA Research</i> , <b>2017</b> , 24, 289-301	4.5	22
127	The βmylase PbrBAM3 from pear ( <i>Pyrus betulaefolia</i> ) regulates soluble sugar accumulation and ROS homeostasis in response to cold stress. <i>Plant Science</i> , <b>2019</b> , 287, 110184	5.3	22
126	Molecular Determinants and Mechanisms of Gametophytic Self-Incompatibility in Fruit Trees of Rosaceae. <i>Critical Reviews in Plant Sciences</i> , <b>2013</b> , 32, 53-68	5.6	22
125	Molecular cloning and expression analysis of a gene for sucrose transporter from pear ( <i>Pyrus bretschneideri</i> Rehd.) fruit. <i>Plant Physiology and Biochemistry</i> , <b>2013</b> , 73, 63-9	5.4	22
124	Genome-wide analyses and expression patterns under abiotic stress of NAC transcription factors in white pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Plant Biology</i> , <b>2019</b> , 19, 161	5.3	21
123	Fast loading ester fluorescent Ca <sup>2+</sup> and pH indicators into pollen of <i>Pyrus pyrifolia</i> . <i>Journal of Plant Research</i> , <b>2012</b> , 125, 185-95	2.6	21
122	cAMP activates hyperpolarization-activated Ca <sup>2+</sup> channels in the pollen of <i>Pyrus pyrifolia</i> . <i>Plant Cell Reports</i> , <b>2011</b> , 30, 1193-200	5.1	21
121	Comparative Transcriptomic Analysis Provides Insight into the Domestication and Improvement of Pear () Fruit. <i>Plant Physiology</i> , <b>2019</b> , 180, 435-452	6.6	20
120	Comparative genomic analysis reveals multiple long terminal repeats, lineage-specific amplification, and frequent interelement recombination for Cassandra retrotransposon in pear ( <i>Pyrus bretschneideri</i> Rehd.). <i>Genome Biology and Evolution</i> , <b>2014</b> , 6, 1423-36	3.9	20
119	Construction of a high-density genetic linkage map in pear ( <i>Pyrus communis</i> [Pyrus pyrifolia nakai]) using SSRs and SNPs developed by SLAF-seq. <i>Scientia Horticulturae</i> , <b>2017</b> , 218, 198-204	4.1	19
118	Chemical Composition and Crystal Morphology of Epicuticular Wax in Mature Fruits of 35 Pear ( spp.) Cultivars. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 679	6.2	19
117	Transcriptome and phytohormone analysis reveals a comprehensive phytohormone and pathogen defence response in pear self-/cross-pollination. <i>Plant Cell Reports</i> , <b>2017</b> , 36, 1785-1799	5.1	19
116	Genome-wide identification of the transcription factor family in pear () reveals evolution and functional divergence. <i>PeerJ</i> , <b>2017</b> , 5, e3776	3.1	19
115	Investigations into the production of volatile compounds in Korla fragrant pears ( <i>Pyrus sinkiangensis</i> Yu). <i>Food Chemistry</i> , <b>2020</b> , 302, 125337	8.5	19
114	Calcium treatments promote the aroma volatiles emission of pear ( <i>Pyrus ussuriensis</i> [Panguoli]) fruit during post-harvest ripening process. <i>Scientia Horticulturae</i> , <b>2017</b> , 215, 102-111	4.1	18
113	ViewBS: a powerful toolkit for visualization of high-throughput bisulfite sequencing data. <i>Bioinformatics</i> , <b>2018</b> , 34, 708-709	7.2	18
112	Genome-wide identification, evolution, and expression analysis of the KT/HAK/KUP family in pear. <i>Genome</i> , <b>2018</b> , 61, 755-765	2.4	18

111	TARE1, a mutated Copia-like LTR retrotransposon followed by recent massive amplification in tomato. <i>PLoS ONE</i> , <b>2013</b> , 8, e68587	3.7	18
110	In vitro antifungal activity and mode of action of selected polyphenolic antioxidants on <i>Botrytis cinerea</i> . <i>Archives of Phytopathology and Plant Protection</i> , <b>2010</b> , 43, 1564-1578	1	18
109	Soil chemical properties and geographical distance exerted effects on arbuscular mycorrhizal fungal community composition in pear orchards in Jiangsu Province, China. <i>Applied Soil Ecology</i> , <b>2019</b> , 142, 18-24	5	17
108	Characterization of the glutathione S-transferase (GST) gene family in <i>Pyrus bretschneideri</i> and their expression pattern upon superficial scald development. <i>Plant Growth Regulation</i> , <b>2018</b> , 86, 211-222 <sup>3,2</sup>	3.2	16
107	Single-pollen-cell sequencing for gamete-based phased diploid genome assembly in plants. <i>Genome Research</i> , <b>2019</b> , 29, 1889-1899	9.7	15
106	The gene PbTMT4 from pear ( <i>Pyrus bretschneideri</i> ) mediates vacuolar sugar transport and strongly affects sugar accumulation in fruit. <i>Physiologia Plantarum</i> , <b>2018</b> , 164, 307-319	4.6	15
105	Long-chain base phosphates modulate pollen tube growth via channel-mediated influx of calcium. <i>Plant Journal</i> , <b>2014</b> , 79, 507-16	6.9	15
104	Mitochondrial dysfunction mediated by cytoplasmic acidification results in pollen tube growth cessation in <i>Pyrus pyrifolia</i> . <i>Physiologia Plantarum</i> , <b>2015</b> , 153, 603-15	4.6	15
103	Comparative analysis of the volatile organic compounds in mature fruits of 12 Occidental pear ( <i>Pyrus communis</i> L.) cultivars. <i>Scientia Horticulturae</i> , <b>2018</b> , 240, 239-248	4.1	14
102	Genome-wide analysis and characterization of molecular evolution of the HCT gene family in pear ( <i>Pyrus bretschneideri</i> ). <i>Plant Systematics and Evolution</i> , <b>2017</b> , 303, 71-90	1.3	14
101	Evolution, expression analysis, and functional verification of <i>Catharanthus roseus</i> RLK1-like kinase (CrRLK1L) family proteins in pear ( <i>Pyrus bretschneideri</i> ). <i>Genomics</i> , <b>2017</b> , 109, 290-301	4.3	13
100	Genome-wide Annotation and Comparative Analysis of Long Terminal Repeat Retrotransposons between Pear Species of <i>P. bretschneideri</i> and <i>P. Communis</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 17644	4.9	13
99	The involvement of in light-induced anthocyanin accumulation via the activation of through binding to tandem G-boxes in its promoter. <i>Horticulture Research</i> , <b>2019</b> , 6, 134	7.7	13
98	Characterization of the Genes Involved in Malic Acid Metabolism from Pear Fruit and Their Expression Profile after Postharvest 1-MCP/Ethrel Treatment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 8772-8782	5.7	12
97	Exogenous Calcium Improved Resistance to by Increasing Autophagy Activity and Salicylic Acid Level in Pear. <i>Molecular Plant-Microbe Interactions</i> , <b>2020</b> , 33, 1150-1160	3.6	12
96	Genome-wide analysis of polygalacturonase gene family from pear genome and identification of the member involved in pear softening. <i>BMC Plant Biology</i> , <b>2019</b> , 19, 587	5.3	12
95	Genome-wide identification and expression analysis of genes associated with peach ( <i>Prunus persica</i> ) fruit ripening. <i>Scientia Horticulturae</i> , <b>2019</b> , 246, 317-327	4.1	12
94	Genome-wide association studies provide insights into the genetic determination of fruit traits of pear. <i>Nature Communications</i> , <b>2021</b> , 12, 1144	17.4	12

93	Genome-wide identification of PbrbHLH family genes, and expression analysis in response to drought and cold stresses in pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Plant Biology</i> , <b>2021</b> , 21, 86	5.3	12
92	Physiological and Nutritional Responses of Pear Seedlings to Nitrate Concentrations. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 1679	6.2	12
91	Overexpression of PbrNHX2 gene, a Na/H antiporter gene isolated from <i>Pyrus betulaefolia</i> , confers enhanced tolerance to salt stress via modulating ROS levels. <i>Plant Science</i> , <b>2019</b> , 285, 14-25	5.3	11
90	Identification of Shaker K channel family members in Rosaceae and a functional exploration of PbrKAT1. <i>Planta</i> , <b>2019</b> , 250, 1911-1925	4.7	11
89	Transcriptomic and evolutionary analyses of white pear ( <i>Pyrus bretschneideri</i> ) α-amylase genes reveals their importance for cold and drought stress responses. <i>Gene</i> , <b>2019</b> , 689, 102-113	3.8	11
88	Cinnamate-4-Hydroxylase Gene Is Involved in the Step of Lignin Biosynthesis in Chinese White Pear. <i>Journal of the American Society for Horticultural Science</i> , <b>2015</b> , 140, 573-579	2.3	10
87	Genome-wide comparative analysis of the BAHD superfamily in seven Rosaceae species and expression analysis in pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Plant Biology</i> , <b>2020</b> , 20, 14	5.3	10
86	Characterization of the pectin methyl-esterase gene family and its function in controlling pollen tube growth in pear ( <i>Pyrus bretschneideri</i> ). <i>Genomics</i> , <b>2020</b> , 112, 2467-2477	4.3	10
85	Characterization of Dof family in <i>Pyrus bretschneideri</i> and role of PbDof9.2 in flowering time regulation. <i>Genomics</i> , <b>2020</b> , 112, 712-720	4.3	10
84	Identification of hexokinase family members in pear ( <i>Pyrus bretschneideri</i> ) and functional exploration of PbHXK1 in modulating sugar content and plant growth. <i>Gene</i> , <b>2019</b> , 711, 143932	3.8	9
83	Genome-wide identification and comparative analysis of the ADH gene family in Chinese white pear ( <i>Pyrus bretschneideri</i> ) and other Rosaceae species. <i>Genomics</i> , <b>2020</b> , 112, 3484-3496	4.3	9
82	Characterization of the Auxin Efflux Transporter PIN Proteins in Pear. <i>Plants</i> , <b>2020</b> , 9,	4.5	9
81	Evolutionary and Expression Analysis Provides Evidence for the Plant Glutamate-like Receptors Family is Involved in Woody Growth-related Function. <i>Scientific Reports</i> , <b>2016</b> , 6, 32013	4.9	9
80	Changes in germinability, lipid peroxidation, and antioxidant enzyme activities in pear stock ( <i>Pyrus betulaefolia</i> Bge.) seeds during room- and low-temperature storage. <i>Acta Physiologiae Plantarum</i> , <b>2011</b> , 33, 2035-2040	2.6	9
79	Overexpression of PbDHAR2 from <i>Pyrus sinkiangensis</i> in Transgenic Tomato Confers Enhanced Tolerance to Salt and Chilling Stresses. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , <b>2015</b> , 50, 789-796	2.4	9
78	Transcriptome profiling reveals the candidate genes associated with aroma metabolites and emission of pear ( <i>Pyrus ussuriensis</i> cv.). <i>Scientia Horticulturae</i> , <b>2016</b> , 206, 33-42	4.1	8
77	Mining and evolution analysis of lateral organ boundaries domain (LBD) genes in Chinese white pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Genomics</i> , <b>2020</b> , 21, 644	4.5	8
76	Dynamic transcriptome analysis of root nitrate starvation and re-supply provides insights into nitrogen metabolism in pear ( <i>Pyrus bretschneideri</i> ). <i>Plant Science</i> , <b>2018</b> , 277, 322-333	5.3	8

75	Evaluation of new IRAP markers of pear and their potential application in differentiating bud sports and other Rosaceae species. <i>Tree Genetics and Genomes</i> , <b>2015</b> , 11, 1	2.1	7
74	Comparative analysis of the P-type ATPase gene family in seven Rosaceae species and an expression analysis in pear ( <i>Pyrus bretschneideri</i> Rehd.). <i>Genomics</i> , <b>2020</b> , 112, 2550-2563	4.3	7
73	Molecular characterization and expression pattern of sorbitol transporter gene PbSOT2 in Pear ( <i>Pyrus bretschneideri</i> Rehd.) fruit. <i>Canadian Journal of Plant Science</i> , <b>2016</b> , 96, 128-137	1	7
72	Genome-wide survey and expression analysis of the SLAC/SLAH gene family in pear ( <i>Pyrus bretschneideri</i> ) and other members of the Rosaceae. <i>Genomics</i> , <b>2019</b> , 111, 1097-1107	4.3	7
71	Genome-wide identification, expression and functional analysis of the phosphofructokinase gene family in Chinese white pear ( <i>Pyrus bretschneideri</i> ). <i>Gene</i> , <b>2019</b> , 702, 133-142	3.8	6
70	Expansion and evolutionary patterns of cysteine-rich peptides in plants. <i>BMC Genomics</i> , <b>2017</b> , 18, 610	4.5	6
69	Transcriptomic and Gas Chromatography-Mass Spectrometry Metabolomic Profiling Analysis of the Epidermis Provides Insights into Cuticular Wax Regulation in Developing 'Yuluxiang' Pear Fruit. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 8319-8331	5.7	6
68	Influence of endogenous and exogenous RNases on the variation of pollen cytosolic-free Ca <sup>2+</sup> in <i>Pyrus serotina</i> Rehd. <i>Acta Physiologiae Plantarum</i> , <b>2008</b> , 30, 233-241	2.6	6
67	Pear metal transport protein PbMTP8.1 confers manganese tolerance when expressed in yeast and <i>Arabidopsis thaliana</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 208, 111687	7	6
66	Phylogenetic and expression analysis of the magnesium transporter family in pear, and functional verification of PbrMGT7 in pear pollen. <i>Journal of Horticultural Science and Biotechnology</i> , <b>2018</b> , 93, 51-63	1.9	5
65	Identification and comparative analysis of the MCU gene family in pear and its functions during fruit ripening. <i>Journal of Plant Physiology</i> , <b>2018</b> , 229, 53-62	3.6	5
64	Identification and functional characterization of SOC1-like genes in <i>Pyrus bretschneideri</i> . <i>Genomics</i> , <b>2020</b> , 112, 1622-1632	4.3	5
63	Genome-wide identification and expression analysis of the OSCA gene family in <i>Pyrus bretschneideri</i> . <i>Canadian Journal of Plant Science</i> , <b>2018</b> , 98, 918-929	1	5
62	Phylogenetic and Expression Analyses of With-No-Lysine Kinase Genes Reveal Novel Gene Family Diversity in Fruit Trees. <i>Horticultural Plant Journal</i> , <b>2019</b> , 5, 47-58	4.3	4
61	Comparison of multiple algorithms to reliably detect structural variants in pears. <i>BMC Genomics</i> , <b>2020</b> , 21, 61	4.5	4
60	The unique evolutionary pattern of the Hydroxyproline-rich glycoproteins superfamily in Chinese white pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Plant Biology</i> , <b>2018</b> , 18, 36	5.3	4
59	PbGLR3.3 Regulates Pollen Tube Growth in the Mediation of Ca <sup>2+</sup> Influx in <i>Pyrus bretschneideri</i> <b>2018</b> , 61, 217-226		4
58	PROFILE OF ANTIOXIDANT ACTIVITIES OF SELECTED STRAWBERRY GENOTYPES. <i>Acta Horticulturae</i> , <b>2009</b> , 551-556	0.3	4

57	regulates lignification during stone cell development in pear () fruit. <i>Horticulture Research</i> , <b>2020</b> , 7, 59	7.7	4
56	Transcriptome Analysis of Low- and High-Sucrose Pear Cultivars Identifies Key Regulators of Sucrose Biosynthesis in Fruits. <i>Plant and Cell Physiology</i> , <b>2020</b> , 61, 1493-1506	4.9	4
55	Comprehensive genomic analysis of the RNase T2 gene family in Rosaceae and expression analysis in <i>Pyrus bretschneideri</i> . <i>Plant Systematics and Evolution</i> , <b>2020</b> , 306, 1	1.3	4
54	Genome-wide identification of lysin motif containing protein family genes in eight rosaceae species, and expression analysis in response to pathogenic fungus <i>Botryosphaeria dothidea</i> in Chinese white pear. <i>BMC Genomics</i> , <b>2020</b> , 21, 612	4.5	4
53	A MADS-box transcription factor of 'Kuerlexiangli' ( <i>Pyrus sinkiangensis</i> Yu) PsJOINTLESS gene functions in floral organ abscission. <i>Gene</i> , <b>2018</b> , 642, 163-171	3.8	4
52	PbrSLAH3 is a nitrate-selective anion channel which is modulated by calcium-dependent protein kinase 32 in pear. <i>BMC Plant Biology</i> , <b>2019</b> , 19, 190	5.3	3
51	Overexpression of sugar transporter gene PbSWEET4 of pear causes sugar reduce and early senescence in leaves. <i>Gene</i> , <b>2020</b> , 743, 144582	3.8	3
50	The activity of plasma membrane hyperpolarization-activated Ca <sup>2+</sup> channels during pollen development of <i>Pyrus pyrifolia</i> . <i>Acta Physiologiae Plantarum</i> , <b>2012</b> , 34, 969-975	2.6	3
49	Genome-wide identification and functional analysis of U-box E3 ubiquitin ligases gene family related to drought stress response in Chinese white pear ( <i>Pyrus bretschneideri</i> ). <i>BMC Plant Biology</i> , <b>2021</b> , 21, 235	5.3	3
48	Identification and characterization of invertase family genes reveal their roles in vacuolar sucrose metabolism during <i>Pyrus bretschneideri</i> Rehd. fruit development. <i>Genomics</i> , <b>2021</b> , 113, 1087-1097	4.3	3
47	Characterization of the pectin methylesterase inhibitor gene family in Rosaceae and role of PbrPMEI23/39/41 in methylesterified pectin distribution in pear pollen tube. <i>Planta</i> , <b>2021</b> , 253, 118	4.7	3
46	Timing of meristem initiation and maintenance determines the morphology of fern gametophytes. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 6990-7001	7	3
45	The Variation of Stone Cell Content in 236 Germplasm of Sand Pear ( <i>Pyrus pyrifolia</i> ) and Identification of Related Candidate Genes. <i>Horticultural Plant Journal</i> , <b>2021</b> , 7, 108-116	4.3	3
44	and : two transcriptionally active LTR retrotransposon subfamilies with a specific LTR structure and horizontal transfer in four Rosaceae species. <i>Mobile DNA</i> , <b>2017</b> , 8, 14	4.4	2
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39	A WRKY transcription factor PbWRKY40 from <i>Pyrus betulaefolia</i> functions positively in salt tolerance and modulating organic acid accumulation by regulating PbVHA-B1 expression. <i>Environmental and Experimental Botany</i> , <b>2022</b> , 196, 104782	5.9	2
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30	Expression and evolutionary analysis of soluble inorganic pyrophosphatase gene family in pear and four other Rosaceae species. <i>Plant Systematics and Evolution</i> , <b>2020</b> , 306, 1	1.3	1
29	Cryptochrome-mediated blue-light signal contributes to lignin biosynthesis in stone cells in pear fruit.. <i>Plant Science</i> , <b>2022</b> , 318, 111211	5.3	1
28	Genome-wide genetic diversity and IBD analysis reveals historic dissemination routes of pear in China. <i>Tree Genetics and Genomes</i> , <b>2022</b> , 18, 1	2.1	1
27	PbrRALF2-elicited reactive oxygen species signaling is mediated by the PbrCrRLK1L13-PbrMPK18 module in pear pollen tubes. <i>Horticulture Research</i> , <b>2021</b> , 8, 222	7.7	1
26	PbrPOE21 inhibits pear pollen tube growth in vitro by altering apical reactive oxygen species content. <i>Planta</i> , <b>2020</b> , 252, 43	4.7	1
25	Characterization of genes involved in pear ascorbic acid metabolism and their response to bagging treatment during fruit development. <i>Scientia Horticulturae</i> , <b>2021</b> , 285, 110178	4.1	1
24	Transcriptome Analysis of Pear Leaves in Response to Calcium Treatment During Infection. <i>Phytopathology</i> , <b>2021</b> , PHYTO10200458R	3.8	1
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22	High-Resolution Microstructure Analysis of Cork Spot Disordered Pear Fruit "Akizuki" (Nakai) Using X-Ray CT. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 715124	6.2	1

21	Analysis of Gene Family and Its Function on Cell Lignification in Pears (). <i>Plants</i> , <b>2021</b> , 10,	4.5	1
20	Establishment of efficient callus genetic transformation system for <i>Pyrus armeniacaefolia</i> . <i>Scientia Horticulturae</i> , <b>2021</b> , 289, 110429	4.1	1
19	Variation of organic acids in mature fruits of 193 pear ( <i>Pyrus</i> spp.) cultivars. <i>Journal of Food Composition and Analysis</i> , <b>2022</b> , 109, 104483	4.1	1
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16	SPLs-mediated flowering regulation and hormone biosynthesis and signaling accompany juvenile-adult phase transition in <i>Pyrus</i> . <i>Scientia Horticulturae</i> , <b>2020</b> , 272, 109584	4.1	0
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12	Revealing the early response of pear ( <i>Pyrus bretschneideri</i> Rehd) leaves during <i>Botryosphaeria dothidea</i> infection by transcriptome analysis.. <i>Plant Science</i> , <b>2022</b> , 315, 111146	5.3	0
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- 3 Characterization and Functional Explorations of O-glycosylation Enzymes SECRET AGENT and SPINDLY in *Pyrus bretschneideri*
- 2 Transcriptome provides potential insights into how calcium affects the formation of stone cell in *Pyrus*. *BMC Genomics*, **2021**, 22, 831 4.5
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