

Peng Wang

List of Publications by Year in descending order

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33
papers

1,924
citations

567144

15
h-index

434063

31
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34
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34
docs citations

34
times ranked

2117
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The genome of the pear (<i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , 2013, 23, 396-408. | 2.4 | 832 |
| 2 | Spermidine oxidase-derived H ₂ O ₂ regulates pollen plasma membrane hyperpolarization-activated Ca ²⁺ -permeable channels and pollen tube growth. <i>Plant Journal</i> , 2010, 63, 1042-1053. | 2.8 | 182 |
| 3 | LNK1 and LNK2 Are Transcriptional Coactivators in the <i>Arabidopsis</i> Circadian Oscillator. <i>Plant Cell</i> , 2014, 26, 2843-2857. | 3.1 | 148 |
| 4 | 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> , 2015, 15, 12. | 1.6 | 138 |
| 5 | Phosphatidic Acid Counteracts S-RNase Signaling in Pollen by Stabilizing the Actin Cytoskeleton. <i>Plant Cell</i> , 2018, 30, 1023-1039. | 3.1 | 101 |
| 6 | A Na ⁺ /Ca ²⁺ Exchanger-like Protein (AtNCL) Involved in Salt Stress in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 44062-44070. | 1.6 | 81 |
| 7 | 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> , 2017, 18, 763. | 1.2 | 62 |
| 8 | Gene-expression profile of developing pollen tube of <i>Pyrus bretschneideri</i> . <i>Gene Expression Patterns</i> , 2016, 20, 11-21. | 0.3 | 40 |
| 9 | <i>COR27</i> and <i>COR28</i> encode nighttime repressors integrating <i>Arabidopsis</i> circadian clock and cold response. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 78-85. | 4.1 | 39 |
| 10 | Identification and testing of reference genes for gene expression analysis in pollen of <i>Pyrus bretschneideri</i> . <i>Scientia Horticulturae</i> , 2015, 190, 43-56. | 1.7 | 34 |
| 11 | Physiological and Nutritional Responses of Pear Seedlings to Nitrate Concentrations. <i>Frontiers in Plant Science</i> , 2018, 9, 1679. | 1.7 | 33 |
| 12 | 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> , 2016, 291, 1727-1742. | 1.0 | 32 |
| 13 | 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> , 2020, 112, 2467-2477. | 1.3 | 27 |
| 14 | Mitochondrial dysfunction mediated by cytoplasmic acidification results in pollen tube growth cessation in <i>Pyrus pyrifolia</i> . <i>Physiologia Plantarum</i> , 2015, 153, 603-615. | 2.6 | 18 |
| 15 | Characterization of Dof family in <i>Pyrus bretschneideri</i> and role of PbDof9.2 in flowering time regulation. <i>Genomics</i> , 2020, 112, 712-720. | 1.3 | 18 |
| 16 | LNK1 and LNK2 recruitment to the evening element require morning expressed circadian related MYB-like transcription factors. <i>Plant Signaling and Behavior</i> , 2015, 10, e1010888. | 1.2 | 17 |
| 17 | Evolutionary and Expression Analysis Provides Evidence for the Plant Glutamate-like Receptors Family is Involved in Woody Growth-related Function. <i>Scientific Reports</i> , 2016, 6, 32013. | 1.6 | 16 |
| 18 | Phylogenetic and expression analysis of the magnesium transporter family in pear, and functional verification of <i>PbrMGT7</i> in pear pollen. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 51-63. | 0.9 | 14 |

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|----|---|-----|-----------|
| 19 | Identification and functional characterization of SOC1-like genes in <i>Pyrus bretschneideri</i> . <i>Genomics</i> , 2020, 112, 1622-1632. | 1.3 | 13 |
| 20 | 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> , 2021, 253, 118. | 1.6 | 13 |
| 21 | Genome-wide identification and expression analysis of the <i>OSCA</i> gene family in <i>Pyrus bretschneideri</i> . <i>Canadian Journal of Plant Science</i> , 2018, 98, 918-929. | 0.3 | 12 |
| 22 | PbrROP1/2-elicited imbalance of cellulose deposition is mediated by a CrRLK1L-ROPGEF module in the pollen tube of <i>Pyrus</i> . <i>Horticulture Research</i> , 2022, 9, . | 2.9 | 8 |
| 23 | PbCOL8 is a clock-regulated flowering time repressor in pear. <i>Tree Genetics and Genomes</i> , 2017, 13, 1. | 0.6 | 7 |
| 24 | PbGLR3.3 Regulates Pollen Tube Growth in the Mediation of Ca ²⁺ Influx in <i>Pyrus bretschneideri</i> . <i>Journal of Plant Biology</i> , 2018, 61, 217-226. | 0.9 | 7 |
| 25 | 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> , 2020, 306, 1. | 0.3 | 7 |
| 26 | The unique evolutionary pattern of the Hydroxyproline-rich glycoproteins superfamily in Chinese white pear (<i>Pyrus bretschneideri</i>). <i>BMC Plant Biology</i> , 2018, 18, 36. | 1.6 | 6 |
| 27 | PbrSLAH3 is a nitrate-selective anion channel which is modulated by calcium-dependent protein kinase 32 in pear. <i>BMC Plant Biology</i> , 2019, 19, 190. | 1.6 | 6 |
| 28 | Phylogenetic and Expression Analysis of Pear Yellow Stripe-Like Transporters and Functional Verification of PbrYSL4 in Pear Pollen. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 737-747. | 1.0 | 3 |
| 29 | PbrPOE21 inhibits pear pollen tube growth in vitro by altering apical reactive oxygen species content. <i>Planta</i> , 2020, 252, 43. | 1.6 | 3 |
| 30 | Identification and function analysis of fasciclin-like arabinogalactan protein family genes in pear (<i>Pyrus bretschneideri</i>). <i>Plant Systematics and Evolution</i> , 2021, 307, 1. | 0.3 | 3 |
| 31 | Identification and expression analysis of the PbrMLO gene family in pear, and functional verification of PbrMLO23. <i>Journal of Integrative Agriculture</i> , 2021, 20, 2410-2423. | 1.7 | 2 |
| 32 | Cellulose accumulation mediated by <i>PbrCSLD5</i> , a cellulose synthase-like protein, results in cessation of pollen tube growth in <i>Pyrus bretschneideri</i> . <i>Physiologia Plantarum</i> , 2022, 174, e13700. | 2.6 | 2 |
| 33 | Characterization and Functional Explorations of O-glycosylation Enzymes SECRET AGENT and SPINDLY in <i>Pyrus bretschneideri</i> . <i>Journal of Plant Biology</i> , 0, , 1. | 0.9 | 0 |