

Peng Wang

List of Publications by Year in descending order

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33
papers

1,924
citations

567144

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#	ARTICLE	IF	CITATIONS
1	PbrROP1/2-elicited imbalance of cellulose deposition is mediated by a CrRLK1L-ROPGEF module in the pollen tube of <i>Pyrus</i> . Horticulture Research, 2022, 9, .	2.9	8
2	Cellulose accumulation mediated by <i>PbrCSLD5</i> , a cellulose synthase-like protein, results in cessation of pollen tube growth in <i>Pyrus bretschneideri</i> . Physiologia Plantarum, 2022, 174, e13700.	2.6	2
3	Characterization of the pectin methylesterase inhibitor gene family in Rosaceae and role of PbrPME123/39/41 in methylesterified pectin distribution in pear pollen tube. Planta, 2021, 253, 118.	1.6	13
4	Identification and function analysis of fasciclin-like arabinogalactan protein family genes in pear (<i>Pyrus bretschneideri</i>). Plant Systematics and Evolution, 2021, 307, 1.	0.3	3
5	Identification and expression analysis of the PbrMLO gene family in pear, and functional verification of PbrMLO23. Journal of Integrative Agriculture, 2021, 20, 2410-2423.	1.7	2
6	Characterization of Dof family in <i>Pyrus bretschneideri</i> and role of PbDof9.2 in flowering time regulation. Genomics, 2020, 112, 712-720.	1.3	18
7	Identification and functional characterization of SOC1-like genes in <i>Pyrus bretschneideri</i> . Genomics, 2020, 112, 1622-1632.	1.3	13
8	Characterization of the pectin methyl-esterase gene family and its function in controlling pollen tube growth in pear (<i>Pyrus bretschneideri</i>). Genomics, 2020, 112, 2467-2477.	1.3	27
9	Comprehensive genomic analysis of the RNase T2 gene family in Rosaceae and expression analysis in <i>Pyrus bretschneideri</i> . Plant Systematics and Evolution, 2020, 306, 1.	0.3	7
10	PbrPOE21 inhibits pear pollen tube growth in vitro by altering apical reactive oxygen species content. Planta, 2020, 252, 43.	1.6	3
11	PbrSLAH3 is a nitrate-selective anion channel which is modulated by calcium-dependent protein kinase 32 in pear. BMC Plant Biology, 2019, 19, 190.	1.6	6
12	The unique evolutionary pattern of the Hydroxyproline-rich glycoproteins superfamily in Chinese white pear (<i>Pyrus bretschneideri</i>). BMC Plant Biology, 2018, 18, 36.	1.6	6
13	Phosphatidic Acid Counteracts S-RNase Signaling in Pollen by Stabilizing the Actin Cytoskeleton. Plant Cell, 2018, 30, 1023-1039.	3.1	101
14	Phylogenetic and expression analysis of the magnesium transporter family in pear, and functional verification of <i>PbrMGT7</i> in pear pollen. Journal of Horticultural Science and Biotechnology, 2018, 93, 51-63.	0.9	14
15	Physiological and Nutritional Responses of Pear Seedlings to Nitrate Concentrations. Frontiers in Plant Science, 2018, 9, 1679.	1.7	33
16	Genome-wide identification and expression analysis of the <i>OSCA</i> gene family in <i>Pyrus bretschneideri</i> . Canadian Journal of Plant Science, 2018, 98, 918-929.	0.3	12
17	PbGLR3.3 Regulates Pollen Tube Growth in the Mediation of Ca ²⁺ Influx in <i>Pyrus bretschneideri</i> . Journal of Plant Biology, 2018, 61, 217-226.	0.9	7
18	<i>COR27</i> and <i>COR28</i> encode nighttime repressors integrating <i>Arabidopsis</i> circadian clock and cold response. Journal of Integrative Plant Biology, 2017, 59, 78-85.	4.1	39

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19	PbCOL8 is a clock-regulated flowering time repressor in pear. <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	0.6	7
20	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
21	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
22	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
23	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
24	Gene-expression profile of developing pollen tube of <i>Pyrus bretschneideri</i> . <i>Gene Expression Patterns</i> , 2016, 20, 11-21.	0.3	40
25	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
26	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
27	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
28	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
29	LNK1 and LNK2 Are Transcriptional Coactivators in the <i>Arabidopsis</i> Circadian Oscillator. <i>Plant Cell</i> , 2014, 26, 2843-2857.	3.1	148
30	The genome of the pear (<i>Pyrus bretschneideri</i> Rehd.). <i>Genome Research</i> , 2013, 23, 396-408.	2.4	832
31	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
32	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
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