

Jing Ding



Areas of Research

Plant physiology, genome editing technology, strawberry.

Contact Information

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Research Interests

Cytokinins; CRISPR/Cas genome editing technology; strawberry.

1. Cytokinin metabolism and signaling pathways.
 2. Cytokinin functions on growth and development of strawberry and tomato.
 3. Development of transgene-free CRISPR/Cas genome editing techniques in strawberry and other crops.
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Education Background

Bachelor: Nanjing University

Doctor: Nanjing University

Work experience

Assistant Professor, Nanjing University, 2009.09 - 2012.05

Assistant Professor, Nanjing Agricultural University, 2012.07 - 2012.12

Associate Professor, Nanjing Agricultural University, 2013.01-

Selected Publication

Wang Xiaojing, Lin Shanshan, Liu Decai, Gan Lijun, R.J. McAvoy, Ding Jing (Co-corresponding author), and Li Yi. Evolution and roles of cytokinin genes in angiosperms 1: Do ancient IPTs play housekeeping while non-ancient IPTs play regulatory roles? *Horticulture Research* 2020, 7:28.

Wang Xiaojing, Ding Jing (Co-first and Co-corresponding author), Lin Shanshan, Liu Decai, Gu Tingting, Wu Han, R.N. Trigiano, R.J. McAvoy, Huang Jinling, and Li Yi. Evolution and roles of cytokinin genes in angiosperms 2: Do ancient CKXs play housekeeping roles while non-ancient CKXs play regulatory roles? *Horticulture Research* 2020, 7:29.

Wang X, Lin S, Liu D, Wang Q, McAvoy RJ, Ding J (Co-corresponding author) and Li Y. Characterization and Expression Analysis of ERF Genes in *Fragaria vesca* Suggest Different Divergences of Tandem ERF Duplicates. *Frontiers in Genetics* 2019, 10:805.

Chen Longzheng, Li Wei, L. Katin-Grazzini, Ding Jing (Co-first author), Gu Xianbin, Li Yanjun, Gu Tingting, Wang Ren, Lin Xinchun, Deng Z iniu, R.J. McAvoy, F.G. Gmitter Jr., Deng Zhanao, Zhao Yunde, and Li Yi. A method for the production and expedient screening of CRISPR/Cas9-mediated non-transgenic mutant plants. *Horticulture Research* 2018, 5:13.

Wang Yong, Ding Guanqun, Gu Tingting, Ding Jing (Co-corresponding author), and Li Yi. Bioinformatic and expression analyses on carotenoid dioxygenase genes in fruit development and abiotic stress responses in *Fragaria vesca*. *Molecular Genetics and Genomics* 2017, 292:895-907.

Mi Xianna, Wang Xiaojing, Wu Han, Gan Lijun, Ding J (Co-corresponding author), and Li Yi. Characterization and expression analysis of cytokinin biosynthesis genes in *Fragaria vesca*. *Plant Growth Regul.* 2017, 82:139-149.

Jiang Yun, Mi Xianna, Lin Ying, Wu Han, Gu Tingting, Ding Jing (Co-corresponding author), and Li Yi. Evolution and expression patterns of cytokinin oxidase genes in *Fragaria vesca*. *Scientia Horticulturae* 2016, 212:115-125.

Yang Yingchun, Jiang Yun, Mi Xianna, Gan Lijun, Gu Tingting, Ding Jing (Co-corresponding author), and Li Yi. Identification and expression analysis of cytokinin response regulators in *Fragaria vesca*. *Acta Physiologiae Plantarum* 2016, 38:198.

Xiong JinSong, Ding Jing, and Li Yi. Genome-editing technologies and their potential application in horticultural crop breeding. *Horticulture Research* 2015, 2:15019.

Ding Jing (Co-corresponding author), Duan Hui, Deng Ziniu, Zhao Degang, Yi Ganjun, R.J. McAvoy, and Li Yi. Molecular strategies for addressing gene flow problems and their potential applications in abiotic stress tolerant transgenic plants. *Critical Reviews in Plant Sciences* 2014, 33:190-204.

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