



学院概况

机构设置

师资队伍

科学研究

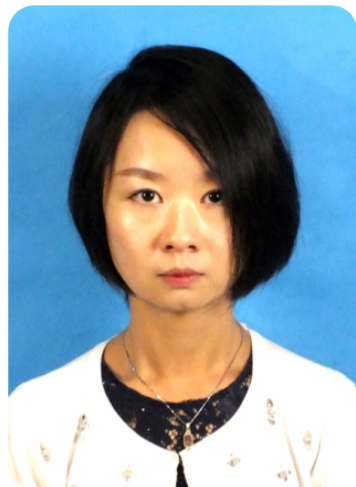
人才培养

党建工作

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研究方向: 果树优质抗逆分子遗传变异研究

主要业绩

I. 教学工作

主讲果树栽培学, 参讲园艺学实验(一), 园艺学实验技术

II. 科研工作

科研项目

1. 国家自然科学基金委员会, 面上项目, MPK4磷酸化修饰ERF17调控苹果果皮褪绿的分子机理研究, 2021-01至2024-12, 主持
2. 国家自然科学基金委员会, 面上项目, ERF4调控苹果果实质地发育的分子遗传机制研究, 2019-01至2022-12, 主持
3. 国家重点研发计划, 苹果果实质地形成与调控, 2018-07至2022-12, 主持
4. 国家自然科学基金委员会, 青年项目, 缺铁胁迫触发的MxIRT1内吞及其在苹果缺铁适应反应中的作用机理研究, 2015-01至2017-12, 主持
5. 北京市自然科学基金委员会, 青年项目, MxIRT1启动子TATA-box缺失对苹果耐缺铁的影响机制研究, 2015-01至2016-06, 主持

论文及著作

- (1) Wang, Shuai; Wang, Ting; Li, Qiqi; Xu, Chen; Tian, Ji; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; Han, Zhenhai*; **Wu, Ting***; Phosphorylation of MdERF17 by MdMPK4 promotes apple fruit peel degreening during light/dark transitions, **Plant Cell**, 2022, doi.org/10.1093/plce
- (2) Hu, Yanan; Han, Zhenyun; Wang, Ting; Li, Hua; Li, Qiqi; Wang, Shuai; Tian, Ji; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; Han, Zhenhai; Lü, Peitao; **Wu, Ting***; Ethylene response factor MdERF4 and histone deacetylase MdHDA19 suppress apple fruit ripening through histone deacetylation of ripening related genes, **Plant Physiology**, 2022, doi.org/10.1093/plph
- (3) Hao, Pengbo; Lv, Xinmin; Fu, Mengmeng; Xu, Zhen; Tian, Ji; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; **Wu, Ting***; Han, Zhenhai*; Long-distance mobile mRNA CAX3 modulates iron uptake and zinc compartmentalization, **EMBO Reports**, 2022, 0-e53698
- (4) Yanan Hu; Hualin Sun; Zhenyun Han; Shuai Wang; Ting Wang; Qiqi Li; Ji Tian; Yi Wang; Xinzhong Zhang; Xuefeng Xu; Zhenhai Han; **Ting Wu***; ERF4 affects fruit ripening by acting as a JAZ interactor between ethylene and jasmonic acid hormone signaling pathways, **Horticultural Plant Journal**, 2022
- (5) Lv, Xinmin; Sun, Yaqiang; Hao, Pengbo; Zhang, Cankui; Tian, Ji; Fu, Mengmeng; Xu, Zhen; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; **Wu, Ting***; Han, Zhenhai; RBP differentiation contributes to selective transmissibility of OPT3 mRNAs, **Plant Physiology**, 2021, 187(3): 1587-1604
- (6) Hu, Yanan; Han, Zhenyun; Sun, Yaqiang; Wang, Shuai; Wang, Ting; Wang, Yi; Xu, Kenong; Zhang, Xinzhong; Xu, Xuefeng; Han, Zhenhai*; **Wu, Ting***; ERF4 affects fruit firmness through TPL4 by reducing ethylene production, **The Plant Journal**, 2020, 103(3): 937-950
- (7) Sun, Yaqiang; Hao, Pengbo; Lv, Xinmin; Tian, Ji; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; Han, Zhenhai*; **Wu, Ting***; A long non-coding apple RNA, MSTRG.85814.11, acts as a transcriptional enhancer of SAUR32 and contributes to the Fe deficiency response, **The Plant Journal**, 2020, 103: 53-67
- (8) Han, Zhenyun; Hu, Yanan; Lv, Yuanda; Rose, Jocelyn K C; Sun, Yaqiang; Shen, Fei; Wang, Yi; Zhang, Xinzhong; Xu, Xuefeng; **Wu, Ting***; Han, Zhenhai*; Natural variation underlies differences in ETHYLENE RESPONSE FACTOR 17 activity in fruit peel degreening, **Plant Physiology**, 2018, 176: 2292-2304
- (9) Zhang, Meiling; Lv, Yuanda; Wang, Yi; Rose, Jocelyn K C; Shen, Fei; Han, Zhenyun; Zhang, Xinzhong; Xu, Xuefeng; **Wu, Ting***; Han, Zhenhai; TATA box insertion provides a selection mechanism underpinning adaptations to Fe deficiency, **Plant Physiology**, 2017, 173(1): 715-727

