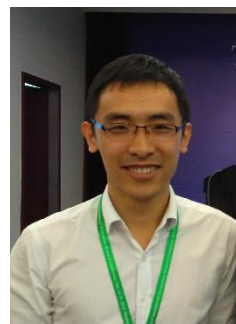


# 吴寒

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## 研究方向:

以番茄和草莓为研究对象,开展以下方面的研究:(1)植物激素、转录因子调控番茄果实发育和成熟的机制;(2)光周期和温度调控草莓匍匐茎发生的机理;(3)转录因子在草莓应对高温和低温胁迫中的作用机制。

## 学习工作经历:

2003.7-2007.6 山东农业大学农学院 本科  
2007.9-2013.12 南京农业大学农学院 硕博连读  
2014 年至今 南京农业大学园艺学院 讲师, 副教授

## 科研项目:

国家自然科学基金青年项目(主持)  
中国博士后科学基金特别资助(主持)  
中国博士后科学基金面上资助(主持)  
中央高校基本科研业务费(主持)  
参与国家自然科学基金面上和青年项目 7 项

## 获得荣誉:

2015 年江苏省优秀博士学位论文  
2015 年南京市第十一届自然科学优秀学术论文一等奖(排名第 2)

## 代表性论文(第一作者和通讯作者, 截止到 2019.12.31):

\*共同一作, # 通讯作者

- (1) Li Hu\*, **Wu Han**\*,#, Qi Qi, Li Huihui, Li Zhifei, Chen Shen, Ding Qiangqiang, Wang Quanzhi, Yan Zhiming, Gai Ying, Jiang Xiangning, Ding Jing, Gu Tingting, Hou Xilin, Richard McAvoy, Zhao Yunde, Li Yi#. Gibberellins play a role in regulating tomato fruit ripening. **Plant and Cell Physiology**. 2019, 60(7):1619-1629. (5 年影响因子 4.599)
- (2) **Wu Han**\*,#, Li Huihui\*, Chen Hong, Qi Qi, Ding Qiangqiang, Xue Juan, Ding Jing, Jiang Xiangning, Hou Xilin, Li Yi#. Identification and expression analysis of strigolactone biosynthetic and signaling genes reveal strigolactones are involved in fruit development of the woodland strawberry (*Fragaria vesca*). **BMC Plant Biology**. 2019, 19(1): 73. (5 年影响因子 4.311)

- (3) Chen Hong, Li Huihui, Lu Xiaoqing, Chen Longzheng, Liu Jing<sup>#</sup>, **Wu Han<sup>#</sup>**. Identification and Expression Analysis of GRAS Transcription Factors to Elucidate Candidate Genes Related to Stolons, Fruit Ripening and Abiotic Stresses in Woodland Strawberry (*Fragaria vesca*). **International Journal of Molecular Sciences**. 2019, 20(18), 4593. (5 年影响因子 4.331)
- (4) Li Nan<sup>\*</sup>, **Wu Han<sup>\*,#</sup>**, Ding Qiangqiang, Li Huihui, Li Zhifei, Ding Jing, Li Yi<sup>#</sup>. The heterologous expression of Arabidopsis PAP2 induces anthocyanin accumulation and inhibits plant growth in tomato. **Functional & Integrative Genomics**. 2018,18(3):341-353. (5 年影响因子 3.203)
- (5) Li Rui<sup>\*</sup>, Wu Han<sup>\*</sup>, Ding Jing, Fu Weimin, Gan Lijun<sup>#</sup>, Li Yi<sup>#</sup>. Mercury pollution in vegetables, grains and soils from areas surrounding coal-fired power plants. **Scientific Reports**. 2017, 7: 46545. (5 年影响因子 4.525)
- (6) Chen Shen<sup>\*</sup>, Wang Xiaojing<sup>\*</sup>, Zhang Liying, Lin Shanshan, Liu Decai, Wang Quanzhi, Cai Shanya, El-Tanbouly Rania, Gan Lijun, **Wu Han<sup>#</sup>**, Li Yi<sup>#</sup>. Identification and characterization of tomato gibberellin 2-oxidases (GA2oxs) and effects of fruit-specific SIGA2ox1 overexpression on fruit and seed growth and development. **Horticulture Research**. 2016, 3: 16059. (5 年影响因子 4.443)
- (7) Liu Yuqiang<sup>\*</sup>, **Wu Han<sup>\*</sup>**, Chen Hong, Liu Yanling, He Jun, Kang Haiyan, Sun Zhiguang, Pan Gen, Wang Qi, Hu Jinlong, Zhou Feng, Zhou Kunneng, Zheng Xiaoming, Ren Yulong, Chen Liangming, Wang Yihua, Zhao Zhigang, Lin Qibing, Wu Fuqing, Zhang Xin, Guo Xiuping, Cheng Xianian, Jiang Ling, Wu Chuanyin, Wang Haiyang, Wan Jianmin<sup>#</sup>. A gene cluster encoding lectin receptor kinases confers broad-spectrum and durable insect resistance in rice. **Nature Biotechnology**. 2015, 33(3):301-305. (5 年影响因子 45.117)
- (8) **Wu Han<sup>\*</sup>**, Liu Yuqiang<sup>\*</sup>, He Jun, Liu Yanling, Jiang Ling, Liu Linlong, Wang Chunming, Cheng Xianian, Wan Jianmin<sup>#</sup>. Fine mapping of brown planthopper (*Nilaparvata lugens* StAyenl) resistance gene Bph28(t) in rice (*Oryza sativa* L.). **Molecular Breeding**, 2014, 33: 909-918. (5 年影响因子 2.227)