



景茂峰

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研究方向：

围绕植物与微生物互作，以卵菌效应子为突破口，重点开展以下几方面的工作：1) 病原卵菌效应子挟持和抑制植物免疫的作用机制；2) 寡雄腐霉生防、诱抗机制；3) 微生物诱导寄主内质网应激的信号识别与调控；4) 植物抗疫病的分子机制与利用。

教育经历：

2011.09—2015.06 南京农业大学植物保护学院植物病理系，博士

2008.09—2011.06 山东农业大学植物保护学院植物病理系，硕士

2004.09—2008.06 山东农业大学植物保护学院，学士

工作经历：

2017.10—至今 南京农业大学植保学院植物病理系，副教授，硕士生导师

2016.01—2017.08 美国 Texas A&M University，博士后研究助理

执教课程:

金善宝植物实验班《普通植物病理学》、植物保护专业《植病研究法实验》和《植保生物技术实验》等课程。

承担课题:

1. 国家自然科学基金青年基金项目 (31801715) , 2019-2021, 主持
2. 中央高校基本科研业务费专项资金资助 (KJQN201913) , 2019-2021, 主持
3. 国家重点研发计划 (2018YFD0201003) , 2018-2020, 课题骨干
4. 江苏省自然科学基金 (BK20180518) , 2018-2020, 主持
5. 国家自然科学基金重点项目 (31430073) , 2015-2019, 参加人

代表性科研成果: (近五年)

1. **Maofeng Jing** and Yuanchao Wang. Plant pathogens utilize effectors to hijack the host endoplasmic reticulum as part of their infection strategy. **Engineering**. 2019. (IF=4.568)
2. Qi Li[#], Gan Ai[#], Danyu Shen, Fen Zou, Ji Wang, Tian Bai, Yanyu Chen, Shutian Li, Meixiang Zhang, **Maofeng Jing** and Daolong Dou*. A *Phytophthora capsici* effector targets ACD11 binding partners that regulate ROS-mediated defense response in *Arabidopsis thaliana*. **Molecular Plant**. 2019. DOI: 10.1016/j.molp.2019.01.018. (IF=10.812)
3. Baodian Guo, Haonan Wang, Bo Yang, Wenjing Jiang, **Maofeng Jing**, Haiyang Li, Ye qiang Xia, Yuanpeng Xu, Qinli Hu, Fangfang Wang, Feng Yu, Yan Wang, Wenwu Ye, Suomeng Dong, Weiman Xing and Yuanchao Wang*. *Phytophthora sojae* effector PsAvh240 inhibits a host aspartic protease secretion to promote infection. **Molecular**

Plant. 2019. DOI: 10.1016/j.molp.2019.01.017. (IF=10.812)

4. Qiang Yan, Jierui Si, Xiaoxia Cui, Hao Peng, **Maofeng Jing**, Xin Chen, Han Xing, Daolong Dou*. GmDAD1, a Conserved Defender Against Cell Death 1 (DAD1) From Soybean, Positively Regulates Plant Resistance Against *Phytophthora* Pathogens. **Frontiers in Plant Science.** 2019. DOI: 10.3389/fpls.2019.00107. (IF=3.677)

5. Qi Li, Yanyu Chen, Ji Wang, Fen Zou, Yuling Jia, Danyu Shen, Qimeng Zhang, **Maofeng Jing**, Daolong Dou and Meixiang Zhang*. A *Phytophthora capsici* virulence effector associates with NPR1 and suppresses plant immune responses. **Phytopathology Research.** 2019. DOI: 10.1186/s42483-019-0013-y.

6. Haiyang Li, Haonan Wang, **Maofeng Jing**, Jinyi Zhu, Baodian Guo, Yang Wang, Yachun Lin, Han Chen, Liang Kong, Zhenchuan Ma, Yan Wang, Wenwu Ye, Suomeng Dong, Brett Tyler, Yuanchao Wang*. A *Phytophthora* effector recruits a host cytoplasmic transacetylase into nuclear speckles to enhance plant susceptibility. **eLife.** 2018. DOI: 10.7554/eLife.40039. (IF=7.616)

7. Bo Yang, Yuyin Wang, Baodian Guo, **Maofeng Jing**, Hao Zhou, Yufei Li, Haonan Wang, Jie Huang, Yan Wang, Wenwu Ye, Suomeng Dong and Yuanchao Wang*. The *Phytophthora sojae* RXLR effector Avh238 destabilizes soybean Type2 GmACSs to suppress ethylene biosynthesis and promote infection. **New Phytologist.** 2018. DOI: 10.1111/nph.15581. (IF=7.433)

8. Jie Huang, Lianfeng Gu, Ying Zhang, Tingxiu Yan, Guanghui Kong, Liang Kong, Baodian Guo, Min Qiu, Yang Wang, **Maofeng Jing**, Weiman Xing, Wenwu Ye, Zhe Wu, Zhengguang Zhang, Xiaobo Zheng, Mark Gijzen, Yuanchao Wang, Suomeng Dong*. An oomycete plant pathogen reprograms host pre-mRNA splicing to subvert immunity. **Nature communications.** 2017. DOI:10.1038/s41467-017-02233-5. (IF=12.353)

9. Bo Yang[#], Qunqing Wang[#], **Maofeng Jing**, Baodian Guo, Jiawei Wu, Haonan Wang, Yang Wang, Long Lin, Yan Wang, Wenwu Ye, Suomeng Dong, Yuanchao Wang*. Distinct regions of the *Phytophthora* essential effector Avh238 determine its function in cell death activation and plant immunity suppression. **New Phytologist.** 2017. DOI: 10.1111/nph.14430. (IF=7.433)

10. **Maofeng Jing**, Baodian Guo, Haiyang Li, Bo Yang, Haonan Wang, Guanghui Kong, Yao Zhao, Huawei Xu, Yan Wang, Wenwu Ye, Suomeng Dong, Yongli Qiao, Brett M. Tyler, Wenbo Ma, Yuanchao Wang*. A *Phytophthora sojae* effector suppresses endoplasmic reticulum stress-mediated immunity by stabilizing plant Binding immunoglobulin Proteins. **Nature communications**. 2016. DOI: 10.1038/ncomms11685. (IF=12.353)
11. Yanhan Dong, Ying Li, Miaomiao Zhao, **Maofeng Jing**, Xinyu Liu, Muxing Liu, Xianxian Guo, Xing Zhang, Yue Chen, Yongfeng Liu, Yanhong Liu, Wenwu Ye, Haifeng Zhang, Yuanchao Wang, Xiaobo Zheng, Ping Wang, Zhengguang Zhang*. Global genome and transcriptome analyses of *Magnaporthe oryzae* epidemic isolate 98-06 uncover novel effectors and pathogenicity-related genes, revealing gene gain and lose dynamics in genome evolution. **PLOS Pathogens**. 2015. DOI: 10.1371/journal.ppat.1004801. (IF=6.158)
12. Guanghui Kong, Yao Zhao, **Maofeng Jing**, Jie Huang, Jin Yang, Yeqiang Xia, Liang Kong, Wenwu Ye, Qin Xiong, Yongli Qiao, Suomeng Dong, Wenbo Ma, Yuanchao Wang*. The activation of *Phytophthora* effector Avr3b by plant cyclophilin is required for the Nudix hydrolase activity of Avr3b. **PLOS Pathogens**. 2015. DOI:10.1371/journal.ppat.1005139. (IF=6.158)
13. **Maofeng Jing**[#], Hongyu Ma[#], Haiyang Li, Baodian Guo, Xin Zhang, Haonan Wang, Wenwu Ye and Yuanchao Wang*. Differential regulation of defense-related proteins in soybean during compatible and incompatible interactions between *Phytophthora sojae* and soybean by comparative proteomic analysis. **Plant Cell Reports**. 2015. DOI:10.1007/s00299-015-1786-9. (IF=3.088)

社会服务工作:

中国植物病理学会会员、美国植物病理学会会员, Molecular Plant-Microbe Interactions、Molecular Plant Pathology 等杂志审稿人

荣誉奖励:

南京农业大学“钟山学者”学术新秀, 2019年5月;

江苏省高等学校优秀科技创新团队(作物与病原微生物互作)骨干, 2019年10月。