

## 喻修道

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### 一、研究兴趣

1. 柑橘木虱-寄主植物互作
2. 柑橘木虱、蓟马分子防治

### 二、主持科研及人才项目

1. 江西省“双千计划”创新领军人才长期项目-青年类、100万、在研
2. 国家自然科学基金青年项目（31601379）、20万、已结题

### 三、已发表部分论文

1. **Xiu-Dao Yu**, Nabil Killiny. RNA interference-mediated control of Asian citrus psyllid, the vector of the huanglongbing bacterial pathogen. *Tropical Plant Pathology*, 2020, 45: 298–305
2. **Xiu-Dao Yu**, Nabil Killiny. RNA interference of two glutathione S-transferase genes increases the susceptibility of Asian citrus psyllid (Hemiptera: Liviidae) to the pesticides, fenpropathrin and thiamethoxam. *Pest Management Science*, 2018, 74: 638–647
3. **Xiu-Dao Yu**, Siddarame Gowda, Nabil Killiny. Double stranded RNA delivery through soaking, mediates silencing of the muscle protein 20 and increases mortality to the Asian citrus psyllid, *Diaphorina citri*. *Pest Management Science*, 2017, 73: 1846–1853

4. **Xiu-Dao Yu**, Zong-Cai Liu, Si-Liang Huang, Yong-Wei Sun, Peng-Fei Duan, You-Zhi Ma, Lan-Qin Xia. RNAi-mediated plant protection against aphids. *Pest Management Science*, 2016, 72: 1090–1098 (Highlighted by iGTRCN, <http://igtrcn.org/rnai-for-protection-against-aphids/>)
  5. Gen-Ping Wang<sup>†</sup>, **Xiu-Dao Yu**<sup>‡</sup>, Jia Fan, Cheng-She Wang, Lan-Qin Xia. Expressing an (E)- $\beta$ -Farnesene synthase in the chloroplast of tobacco affects the preference of green peach aphid and its parasitoid. *Journal of Integrative Plant Biology*, 2015, 57: 770–782 (Co-first author)
  6. **Xiu-Dao Yu**, Gen-Ping Wang, Si-Liang Huang, You-Zhi Ma, Lan-Qin Xia. Engineering plants for aphid resistance: current status and future perspectives. *Theoretical and Applied Genetics*, 2014, 127: 2065–2083
  7. **Xiu-Dao Yu**, Yong-Jun Zhang, You-Zhi Ma, Zhao-Shi Xu, Gen-Ping Wang, Lan-Qin Xia. Expression of an (E)- $\beta$ -farnesene synthase gene from Asian peppermint in tobacco affected aphid infestation. *The Crop Journal*, 2013, 1: 50–60
  8. **Xiu-Dao Yu**, John Pickett, You-Zhi Ma, Toby Bruce, Johnathan Napier, Huw D Jones, Lan-Qin Xia. Metabolic engineering of plant-derived (E)- $\beta$ -farnesene for a novel type of aphid resistant GM crop plants. *Journal of Integrative Plant Biology*, 2012, 54: 282–299
  9. Hai-Zhong Yu, Yan-Xin Xie, Jie Wang, Ying Wang, Yi-Min Du, He-Gui Wang, Ba-Lian Zhong, Bo Zhu, **Xiu-Dao Yu**<sup>\*</sup>, Zhan-Jun Lu<sup>\*</sup>. Integrated transcriptome sequencing and RNA interference reveals molecular changes in *Diaphorina citri* after exposure to validamycin. *Insect Science*, 2020, DOI:10.1111/1744-7917.12880
- 四、参编书本章节  
参编英文著作 *Biotechnology of Major Cereals* (CAB International; BKCI-S 收录):  
**Xiu-Dao Yu**, Huw D Jones, Yong-Wei Sun, Gen-Ping Wang, Lan-Qin Xia. Cross-species silencing: plant-mediated RNAi for insect control. *CABI-Biotechnology of Major Cereals* (edited by Huw D Jones). 2016, 151–164

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