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研究方向：

1. 农业昆虫适应性进化
2. 害虫综合防控

教育经历：

2020.09-2024.06　福建农林大学，农业昆虫与害虫防治，博士
2017.09-2020.06　华南农业大学，农业昆虫与害虫防治，硕士
2012.09-2016.06　山西农业大学，植物保护，学士

工作经历：

2024.07-至今　福建省农业科学院，植物保护研究所，助理研究员

代表性论文：

1. Lei G.K., Zhou H.L., Chen Y.T., Vasseur L., Gurr G.M., You M.S., You S.J.* 2023. A very long-chain fatty acid enzyme gene, *PxHacd2* affects the temperature adaptability of a cosmopolitan insect by altering epidermal permeability. **Science of The Total Environment**, 891: 164372.
2. Lei G.K., Huang J.L., Zhou H.L., Chen Y.T., Song J., Xie X.F., Vasseur L., You M.S., You S.J.* 2024. Polygenic adaptation of a cosmopolitan pest to a novel thermal environment. **Insect Molecular Biology**, 33(2): 1-18.
3. Lei G.K., Fu Y.G., Wu W.J.* 2020. Type and distribution of sensilla in the antennae of *Euplatypus parallelus* (F.) (Coleoptera: Curculionidea, Platypodinae). **PLoS One**, 15(10): e0241275.
4. Lei G.K., Fu Y.G., Wu W.J.* 2019. Fine structure of mouthparts and forelegs of *Euplatypus parallelus* (Coleoptera: Curculionidae) with emphasis on the behavior of gallery excavation. **Micron**, 130(6):102815.
5. You S.J., Lei G.K., Zhou H.L., Li J.Y., Chen S.P., Huang J.L., Vasseur L., Gurr G.M., You M.S., Chen Y.T.* 2024. Thermal acclimation uncovers a simple genetic basis of adaptation to high temperature in a cosmopolitan pest. **iScience**, 27(3): 109242.
6. Zhou H.L., Lei G.K., Chen Y.T., You M.S., You S.J.* 2022. *PxTret1-like* affects the temperature adaptability of a cosmopolitan pest by altering trehalose tissue distribution. **International Journal of Molecular Sciences**, 23(16): 9019.