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研究方向：

1.昆虫（螨）行为学
2.生物防治

教育经历：

2017.09-2021.06　福建农林大学，农业昆虫与害虫防治，博士
2013.09-2016.06　福建农林大学，农业昆虫与害虫防治，硕士
2009.09-2013.06　河南科技大学，植物保护，学士

工作经历：

2024.10-至今　　福建省农业科学院植物保护研究所，助理研究员
2021.09-2024.09　中国科学院动物研究所，博士后

科研项目：

1. 国家自然科学基金：蚜虫与其初级共生菌关系的微进化格局和机制，31970446，2020-2023，参与

代表性论文：

1. Zhang H., Liu Q., Lu J. J., Wu L. L., Cheng Z. T., Qiao G. X.*, Huang X. L.* 2024. Genomic and transcriptomic analyses of a social hemipteran provide new insights into insect sociality. **Molecular Ecology Resources**, e14019.
2. Zhang H.#, Liu Z. X.#, Huang X. L. * 2024. Social aphids: emerging model for studying insect sociality. **Current Opinion in Insect Science**, 64: 101205.
3. Zhang H., Liu Q., Chen K. X., Ni X. Q., Cheng Z. T., Qiao G. X.*, Huang X. L.* 2023. Mother knows best: reproductive regulation of caste ratio in a social hemipteran. **Insect Science**, 30(2): 582–586.
4. Zhang H., Lin R. X., Liu Q., Lu J. J., Qiao G. X.*, Huang X. L.* 2023. Transcriptomic and proteomic analyses provide insights into host adaptation of a bamboo-feeding aphid. **Frontiers in Plant Science**, 13: 1098751.
5. Zhang H., Lu C. C., Liu Q., Zou T. M., Qiao G. X.*, Huang, X, L.* 2022. Insights into the evolution of aphid mitogenome features from new data and comparative analysis. **Animals**, 12(15): 1970.
6. Zhang H.#, Ye L. Q.#, Liu Q., Huang X. L.* 2021. Genome assembly of *Scorias spongiosa* and comparative genomics provide insights into ecological adaptation of honeydew-dependent sooty mould fungi. **Genomics**, 113(4): 2189–2198.

7. Zhang H., Liu Q., Deng J., Huang X. L.* 2021. The first complete mitochondrial genome of Lachninae species and comparative genomics provide new insights into the evolution of gene rearrangement and repeat region. **Insects**, 12(1): 55.
8. Zhang H., Deng J., Liu Q., Huang X. L.* 2019. The mitochondrial genome of a social aphid, *Pseudoregma bambucicola* (Hemiptera: Aphididae: Hormaphidinae). **Mitochondrial DNA Part B Resources**, 4 (2): 2100–2101.
9. 张慧，刘倩，黄晓磊*. 2021. 社会性昆虫级型和行为分化机制研究进展. **生物多样性**, 29(4): 507–516.