姓名：徐颢

职　　称：副教授，硕士生导师

邮　　箱：haoxu@njau.edu.cn

办公地址：南京农业大学理科楼 B312

研究方向：

植物昆虫互作；植物防御策略；昆虫行为；寄生蜂；害虫生物防治；植物挥发物

教育经历：

1. 2012.11-2017.09：瑞士纳沙泰尔大学；化学生态学；博士研究生；导师，Ted Turlings 教授。

2. 2009.09-2012.07：西北农林科技大学；农业昆虫与害虫防治；农学硕士；导师，花保祯教授。

3. 2005.09-2009.07：西北农林科技大学；葡萄与葡萄酒工程；工学学士。

工作经历：

2018.09 — 今 南京农业大学植物保护学院 副教授

执教课程：

昆虫与植物互作生物学

承担课题：

1. 南京农业大学高层次人才引进启动基金

代表性科研成果：

(* corresponding author)

2020

1. **Xu, H**.; Zhao, J.; Li, F.; Yan, Q.; Meng, L. & Li, B. * (2020). Chemical polymorphism regulates the attractiveness to nymphs in the bean bug *Riptortus pedestris*. ***Journal of Pest Science***, online. DOI: 10.1007/s10340-020-01268-w (IF=4.7)
2. **Xu, H.***; Zhou, G.; Dötterl, S.; Schäffler, I.; Degen, T.; Chen L.; Turlings, T.C.J.* (2020). The distinct role of common cuticular aldehydes as pheromonal cues in two *Cotesia* parasitoids. ***Journal of Chemical Ecology***, 46: 128–137. (IF=2.4)

2019

3. **Xu, H.**; Wang, X.; Chi, G; Tan, B. & Wang, J. * (2019). Effects of *Bacillus thuringiensis* genetic engineering on induced volatile organic compounds emission in maize and the attractiveness to a parasitic wasp. ***Frontiers in Bioengineering and Biotechnology***, 7. (IF=5.1)
4. **Xu, H.**; Zhou, G.; Dötterl, S.; Schäffler, I.; von Arx, M.; Röder, G.; Degen, T.; Chen, L. & Turlings, T.C.J. * (2019). The combined use of an attractive and a repellent sex pheromonal component by a gregarious parasitoid (封面文章). ***Journal of Chemical Ecology***, 45: 559–569. (IF=2.4)

2018

5. Ye, M., Veyrat, N., **Xu, H.**, Hu, L., Turlings, T.C.J. * & Erb, M. * (2018). An herbivore-induced plant volatile reduces parasitoid attraction by changing the smell of caterpillars. ***Science Advances***, 4, eaar4767 （IF=11.51）
6. **Xu H.*** & Turlings, T.C.J.* (2018). Plant Volatiles as Mate Finding Cues for Insects (封面文章), ***Trends in Plant Science***, 23(2): 100~111。（IF=14.1）

2017

7. Desurmont, G.A.; Köhler, A.; Maag, D.; Laplanche, D.; **Xu, H**.; Baumann, J.; Demairé, C.; Devenoges, D.; Glavan, M.; Mann, L. & Turlings, T. (2017). The spitting image of plant defenses: effects of plant secondary chemistry on the efficacy of caterpillar regurgitant as an anti-predator defense. ***Ecology and Evolution,*** **7,** 6304-6313. （IF=2.44）
8. **Xu, H.**; Desurmont, G.; Degen, T.; Zhou, G.; Laplanche, D.; Henryk, L. & Turlings, T.C.J.*, (2017). Combined use of herbivore-induced plant volatiles and

sex pheromones for mate location in braconid parasitoids （封面文章）, ***Plant, Cell & Environment,*** 40(3): 330~339.（IF=6.17）
美国普渡大学 Ian Kaplan 教授评论了该文章：“A cry for help or sexual perfumes? An alternative hypothesis for wasp attraction to the scent of caterpillar-wounded plants”。

2016

9. Desurmont, G.A.*; **Xu, H.** & Turlings, T.C., (2016). Powdery mildew suppresses herbivore-induced plant volatiles and interferes with parasitoid attraction in *Brassica rapa*. ***Plant, Cell & Environment***, **39,** 1920-1927. （IF=6.17）

2015

10. Erb, M.*; Veyrat, N.; Robert, C. A.; **Xu, H.**; Frey, M.; Ton, J.; & Turlings, T.C.*, (2015). Indole is an essential herbivore-induced volatile priming signal in maize. ***Nature Communications***, 6, 6273. （IF=11.33）
11. Hu, G.L.; Yan, G.; **Xu, H.** & Hua, B.Z.* (2015). Molecular phylogeny of Panorpidae (Insecta: Mecoptera) based on mitochondrial and nuclear genes. ***Molecular Phylogenetics and Evolution***, 85, 22-31. （IF=3.79）

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12. **Xu, H.**; Veyrat, N.; Degen, T. & Turlings, T.C.J.* (2014). Exceptional use of sex pheromones by parasitoids of the genus *Cotesia*: males are strongly attracted to virgin females, but are no longer attracted to or even repelled by mated females. ***Insects***, *5*, 499-512. (IF=1.85)

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