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教育和工作经历

2008.09-2012.06 中国农业大学农学与生物技术学院, 植物病理学专业, 农学学士;

2012.09-2017.06 中国农业大学植物保护学院, 植物病理学专业, 农学博士;

2017.10-2022.08 中国农业大学植物保护学院, 博士后, 合作导师: 孙文献教授。

2022.09-至今 西南大学植物保护学院含弘研究员

研究方向

植物病原细菌学、水稻抗病免疫信号通路、病原菌与水稻互作的分子机制和农作物抗病育种研究。

主持科研项目

国家自然科学基金青年项目, 水稻细菌性条斑病菌三型效应蛋白AvrBs2致病机理研究, 2019/01-2020/12, 26万, 已结题, 主持人。

学术兼职

中国植物病理学会、美国植物病理学会和国际分子植物与微生物互作学会会员。Journal of Experimental Botany、园艺学报和山西农业大学学报等学术期刊审稿人。

第一或共同第一作者身份发表论文 (“#” 第一或共同第一作者):

1. Wang, S.[#], Li, S., Wang, J., Li, Q., Xin, X., Zhou, S., Wang, Y., Li, D., Xu, J., Luo, Z., He, S.Y., and Sun, W. (2021). A bacterial kinase phosphorylates OSK1 to suppress stomatal immunity in rice. *Nature Communications* 12, 5479. (影响因子=17.694; 被NC选为“Plants and agriculture”方向亮点文章)
2. Wang, S.[#], Sun, Z.[#], Wang, H., Liu, L., Lu, F., Yang, J., Zhang, M., Zhang, S., Guo, Z., Bent, A.F., and Sun, W. (2015). Rice OsFLS2-mediated perception of bacterial flagellins is evaded by *Xanthomonas oryzae* pvs. *oryzae* and *oryzicola*. *Molecular Plant* 8, 1024-1037. (影响因子=21.949; 共同第一作者)
3. Wei, C.[#], Wang, S.[#], Liu P., Cheng S.T., Qian G., Wang S., Fu Y., Qian W., Sun W. (2021). The PdeK-PdeR two-component system promotes unipolar localization of FimX and pilus extension in *Xanthomonas oryzae* pv. *oryzicola*. *Science Signaling* 14, 700. (影响因子=9.517; 共同第一作者; 杂志封面文章)
4. Zheng X., Fang A., Qiu S., Zhao G., Wang J., Wang S., Wei J., Gao H., Yang J., Mou B., Cui F., Zhang J., Liu J., and Sun W. (2022). *Ustilaginoidea virens* secretes a family of phosphatases that stabilize the negative immune regulator OsMPK6 and suppress plant immunity. *The Plant Cell*. 34(8),3088-3109. (影响因子=12.085)
5. Yang J., Zhang N., Wang J., Fang A., Fan J., Li D., Li Y., Wang S., Cui F., Yu J., Liu Y., Wang W.M., Peng Y.L., He S.Y., and Sun W. (2022). SnRK1A-mediated phosphorylation of a cytosolic ATPase positively regulates rice innate immunity and is inhibited by *Ustilaginoidea virens* effector SCRE1. *New Phytologist*. doi: 10.1111/nph.18460. (影响因子=10.323)
6. Muhammad T.[#], Mateen, A.[#], Wang S., Qiu S., Zheng X., Zhang J., Bhadauria V., and Sun, W. (2021). Versatile effectors of phytopathogenic fungi target host immunity. *Journal of Integrative Plant Biology* <https://doi.org/10.1111/jipb.13162>. (影响因子=9.106)
7. Zhang, N.[#], Yang, J., Fang, A., Wang, J., Li, D., Li, Y., Wang, S., Cui, F., Yu, J., Liu, Y., Peng Y-L, and Sun W. (2020). The essential effector SCRE1 in *Ustilaginoidea virens* suppresses rice immunity via a small peptide region. *Molecular Plant Pathology* 21,445-459. (影响因子=5.52)
8. Wang J.[#], Wang S., Hu K., Yang J., Xin X., Zhou W., Fan J., Cui F., Mou B., Zhang S., Wang G. L., and Sun W. (2018). The kinase OsCPK4 regulates a buffering mechanism that fine-tunes innate immunity. *Plant Physiology* 176, 1835 - 1849. (影响因子=8.005)
9. Liu, L.[#], Wang, Y., Cui, F., Fang, A., Wang, S., Wang, J., Wei, C., Li, S., and Sun, W. (2017). The type III effector AvrXccB in *Xanthomonas campestris* pv. *campestris* targets putative methyltransferases and suppresses innate immunity in Arabidopsis. *Molecular Plant Pathology* 18, 768-782. (影响因子=5.52)
10. Li, S.[#], Wang, Y., Wang, S., Fang, A., Wang, J., Liu, L., Zhang, K., Mao, Y., and Sun, W. (2015). The type III effector AvrBs2 in *Xanthomonas oryzae* pv. *oryzicola* suppresses rice immunity and promotes disease development. *Molecular Plant-Microbe Interactions* 28, 869-880. (影响因子=3.422)
11. Lu, F.[#], Wang, H., Wang, S., Jiang, W., Shan, C., Li, B., Yang, J., Zhang, S., and Sun, W. (2015). Enhancement of innate immune system in monocot rice by transferring the dicotyledonous elongation factor Tu receptor EFR. *Journal of Integrative Plant Biology* 57, 641-652. (影响因子=9.106)

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