纪宠辉

发布时间：2022-02-21　浏览：1687

基本信息：

纪宠辉，男，福建三明人，博士，副教授，福建省引进高层次人才（境外B类）。2007年本科毕业于西北农林科技大学，2013年获华南农业大学遗传学博士学位。2014-2020年在美国爱荷华州立大学、密苏里大学从事博士后研究工作。2021年进入福建农林大学工作。主持或参与福建农林大学高层次人才科研启动基金、福建**生物科技有限公司横向基金、美国农业部基金会以及比尔盖茨基金会等项目。在《Nature Biotechnology》、《Nature Communications》及《Molecular Plant》等期刊上发表论文10篇，总引用1200余次。

研究方向：

植物转基因技术与CRISPR/Cas基因编辑技术开发；

基因编辑在种质资源创新与遗传改良应用（番茄、辣椒、木瓜、水稻等）；

植物雄性（雄蕊） 生殖发育机制解析 （番茄 、辣椒、水稻等）。

电子邮箱：270262662@qq.com (mailto:270262662@qq.com)

论文发表：（#为第一作者，*为通讯作者）

1. Libin Chen#, **Chonghui Ji#**, Degui Zhou#, Xin Gou, Jianian Tang, Yongjie Jiang, Jingluan Han, Yao-Guang Liu, Letian Chen*, and Yongyao Xie*. “OsLTP47 may function in a lipid transfer relay essential for pollen wall development in rice.” ***Journal of Genetics and Genomics*** 49, no. 5 (2022): 481-491.
2. **Chonghui Ji#**, Zhiyuan Ji#, Bo Liu, He Cheng, Hua Liu, Sanzhen Liu, Bing Yang* and Gongyou Chen*. “*Xa1* Allelic *R* Genes Activate Rice Blight Resistance Suppressed by Interfering TAL Effectors.” ***Plant communications*** 1, no. 4 (2020): 100087.（封面论文、年度十佳论文）
3. Ricardo Oliva#,*, **Chonghui Ji#**, Genelou Atienza-Grande#, José C. Huguet-Tapia#, Alvaro Pérez-Quintéro#, Ting Li, Joon-Seob Eom, Chenhao Li, Hanna Nguyen, Bo Liu, Florence Auguy, Coline Sciallano, Van T. Luu, Gerbert S. Dossa, Sébastien Cunnac, Sarah M. Schmidt, Inez H. Slamet-Luedin, Casiana Vera Cruz, Boris Szurek, Wolf B. Frommer*, Frank F. White and Bing Yang*. “Broad-spectrum resistance to bacterial blight in rice using genome editing” ***Nature biotechnology*** 37, no. 11 (2019): 1344-1350. （研究亮点、高被引论文）

4. Joon-Seob Eom[#], Dangping Luo[#], Genelou Atienza-Grande, Jungil Yang, **Chonghui Ji**, Van Thi Luu, José C. Huguet-Tapia, Si Nian Char, Bo Liu, Hanna Nguyen, Sarah Maria Schmidt, Boris Szurek, Casiana Vera Cruz, Frank F. White, Ricardo Oliva, Bing Yang* and Wolf B. Frommer*. "Diagnostic kit for rice blight resistance." ***Nature biotechnology*** 37, no. 11 (2019): 1372-1379.

5. Chenhao Li, **Chonghui Ji**, José C. Huguet-Tapia, Frank F. White, Hansong Dong* and Bing Yang*. "An efficient method to clone TAL effector genes from Xanthomonas oryzae using Gibson assembly." ***Molecular plant pathology*** 20, no. 10 (2019): 1453-1462.

6. Changtian Chen, Silu Feng, Mian Zhou, **Chonghui Ji**, Long Que*, and Wei Wang*. "Development of a structure-switching aptamer-based nanosensor for salicylic acid detection." ***Biosensors and Bioelectronics*** 140 (2019): 111342

7. Yang Liu[#], Paul Merrick[#], Zhengzhi Zhang, **Chonghui Ji**, Bing Yang* and Shui-zhang Fei*. "Targeted mutagenesis in tetraploid switchgrass (Panicum virgatum L.) using CRISPR/Cas9." ***Plant biotechnology journal*** 16, no. 2 (2018): 381-393.

8. Zhiyuan Ji[#], **Chonghui Ji**[#], Bo Liu, Lifang Zou, Gongyou Chen* and Bing Yang*. "Interfering TAL effectors of Xanthomonas oryzae neutralize R-gene-mediated plant disease resistance." ***Nature communications*** 7, no. 1 (2016): 1-9.

9. **Chonghui Ji**[#], Heying Li[#], Libin Chen, Min Xie, Fengping Wang, Yuanling Chen and Yao-Guang Liu*. "A novel rice bHLH transcription factor, DTD, acts coordinately with TDR in controlling tapetum function and pollen development." ***Molecular Plant*** 6, no. 5 (2013): 1715-1718.

10. Dangping Luo, Hong Xu, Zhenlan Liu, Jingxin Guo, Heying Li, Letian Chen, Ce Fang, Qunyu Zhang, Mei Bai, Nan Yao, Hong Wu, Hao Wu, **Chonghui Ji**, Huiqi Zheng, Yuanling Chen, Shan Ye, Xiaoyu Li, Xiucai Zhao, Riqing Li and Yao-Guang Liu*. "A detrimental mitochondrial-nuclear interaction causes cytoplasmic male sterility in rice." ***Nature genetics*** 45, no. 5 (2013): 573-577.

CopyRight © 2019 福建农林大学基因组与生物技术研究中心 ALL RIGHTS RESERVED 网站集群 (http://post.fafu.edu.cn)

地址：福建省福州市仓山区上下店路15号　电话：0591-88202367