



数据资源: 林业专题资讯



打印

下载

分享

Structural Aspects of Plant Hormone Signal Perception and Regulation by Ubiquitin Ligases

编号 040022701

推送时间 20200224

研究领域 [森林培育](#)

年份 2020

类型 期刊

语种 英语

标题 Structural Aspects of Plant Hormone Signal Perception and Regulation by Ubiquitin Ligases

来源期刊 Plant Physiology

期 第227期

发表时间 20200109

关键词 [phytohormone signaling](#); [Ubiquitin Ligases](#);

摘要

Hormonal cues regulate many aspects of plant growth and development, facilitating the plant's ability to systemically respond to environmental changes. Elucidating the molecular mechanisms governing these signaling pathways is crucial to understanding how plants function. Structural and functional biology methods have been essential in decoding plant genetic findings and revealing precise molecular actions at the protein level. Past studies of plant hormone signaling have uncovered mechanisms that involves highly coordinated protein turnover to elicit immediate cellular responses. Many phytohormone signaling pathways rely on the ubiquitin (Ub) proteasome system, specifically E3 Ub ligases, for perception and initiation of signaling transduction. In this review, we highlight structural aspects of plant hormone-sensing mechanisms by Ub ligases and discuss our current understanding of the emerging field of strigolactone signaling.

服务人员 孙小满

PDF文件 [浏览全文](#)

相关记录

更多

Leaf-transcriptome profiles of phoebe bournei provide insights into temporal dro... 2022-12-19

相关图谱

相关主题趋势分析图



根据当前记录中的关键词作为查询条件统计出本库中每年与本记录相关的记录数量



2020

2022



相关链接: [中国工程院](#) | [国家林业和草原局](#) | [中国林业科学研究院](#) | [中国林业信息网](#) | [中国林业数字图书馆](#) | [国家林业和草原科学数据中心](#)

友情链接: [自然资源部](#) | [科学技术部](#) | [中国林学会](#) | [中国科技资源共享网](#) | [中国林草植物新品种保护](#) | [中国林业知识产权网](#) | [中国林业新闻网](#)

主办单位: [中国林业科学研究院林业科技信息研究所](#) 电话: 010-62889748 E-mail: wangjiaosky92@163.com 京ICP备14021735号-2 访问量: 12656087
建议使用谷歌、火狐、360、IE8或IE8以上版本的浏览器