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**研究方向**

植物激素独脚金内酯的抗虫分子机理

菌异养植物与真菌的相互作用

**学习经历**

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| --- | --- | --- |
| 2013.09-2017.12 | **植物学，博士** | 四川大学导师：林宏辉教授  |
| 2009.09-2012.06 | **植物学，硕士** | 中国科学院西北高原生物研究所导师：窦全文研究员 |
| 1991.09-1995.07 | **生物工程，学士** | 黑龙江大学 |

**工作经历**

2018.01-至今 中国科学院昆明植物研究所，博士后（合作导师: 吴建强研究员）

2012.07-2013.08 中国科学院西北高原生物研究所 研究助理

**发表文章 (\* 通信作者; # 共同第一作者)**

1. Cuiping Zhang, **Yunting Lei**, Chengkai Lu, Lei Wang\*, Jianqiang Wu\*, MYC2, MYC3, and MYC4 function additively in wounding-induced jasmonic acid biosynthesis and catabolism,***Journal of Integrative Plant Biology***, 2020. DOI: 10.1111/jipb.12902 （IF5 year = 4.061, Top 15）
2. **Yunting Lei#**, Yuxing Xu**#**, Christian Hettenhausen, Chengkai Lu, Guojing Shen, Cuiping Zhang, Jing Li, Juan Song, Honghui Lin\*, Jianqiang Wu\*. Comparative analysis of alfalfa (*Medicago sativa* L.) leaf transcriptomes reveals genotype-specific salt tolerance mechanisms. ***BMC Plant Biology***, 2018, 18(1):35. （IF5 year = 4.311, Top 15）
3. Chengkai Lu, Jinfeng Qi, Christian Hettenhausen, **Yunting Lei**, Jingxiong Zhang, Mou Zhang, Cuiping Zhang, Juan Song, Jing Li, Guoyan Cao, Saif ul Malook, Jianqiang Wu\*. Elevated CO2 differentially affects tobacco and rice defense against lepidopteran larvae via the jasmonic acid signaling pathway. ***Journal of Integrative Plant Biology***, 2018, 60(5):412-431. （IF5 year = 4.061, Top 15）
4. **Yunting Lei**, Qing Liu, Christian Hettenhausen, Guoyan Cao, Qing Tan, Weiye Zhao, Honghui Lin\*, Jianqiang Wu\*. Salt-tolerant and -sensitive alfalfa (*Medicago sativa*) cultivars have large variations in defense responses to the lepidopteran insect *Spodoptera litura* under normal and salt stress condition. ***PLOS ONE***, 2017, 12(7): e0181589. （IF5 year = 3.337）
5. Christian Hettenhausena#, Juan Li#, Huifu Zhuang, Huanhuan Sun, Yuxing Xu, Jinfeng Qi, Jingxiong Zhang, **Yunting Lei**, Yan Qin, Guiling Sun, Lei Wang, Ian T. Baldwin, and Jianqiang Wu\*. Stem parasitic plant *Cuscuta australis* (dodder) transfers herbivory-induced signals among plants. ***Proc Natl Acad Sci U S A***, 2017, 114(32):E6703-E6709. （IF5 = 10.600, Top 15）
6. **雷云霆**，赵闫闫, 喻凤, 李媛, 窦全文\*. 利用基因组SSR分子标记对老芒麦品种(种质)鉴别和品种纯度鉴定. ***草地学报***，2015, 23, 1: 151-155.
7. **Yunting Lei**, Yanyan Zhao, Feng Yu, Yuan Li, Quanwen Dou\*. Development and characterization of 53 polymorphic genomic-SSR markers in Siberian wildrye (*Elymus sibiricus* L.). ***Conserv Genet Resour***, 2014, 6(4):861-864. （IF5 = 0.963）
8. Feng Yu, **Yunting Lei**, Yuan Li, Quanwen Dou\*, Haiqing Wang, Zhiguo Chen. Cloning and characterization of chromosomal markers in alfalfa (*Medicago sativa* L.). ***Theoretical and Applied Genetics***, 2013, 126(7):1885-1896. （IF5 year = 3.759, Top 5）
9. Quanwen Dou\*, **Yunting Lei**, Xiaomei Li, Ivan W. Mott, Richard R.C.Wang. Characterization of alien chromosomes in backcross derivatives of *Triticum aestivum*×*Elymus rectisetus* hybrids by using molecular markers and sequential multicolor FISH/GISH. ***Genome***, 2012, 55(5): 337-347. （IF5 year = 1.991）
10. Deyong Zhao\*, Lei Wang, **Yunting Lei**. Correlation among SDS sedimentation value, swelling index of glutenin and solvent retention capacity of Spring Wheat. ***Notulae Scientia Biologicae***, 2012, 4(2):132-135.
11. **雷云霆,** 窦全文\*. 青藏高原老芒麦和垂穗披碱草SSR分子标记鉴别. ***草业科学***, 2012, 29(6): 937-942.
12. 窦全文\*, **雷云霆**, 王海庆. 黄花苜蓿和紫花苜蓿分子核型比较. ***草地学报***, 2012, 20(4): 718-723.
13. 窦全文\*, **雷云霆**, 王海庆. 苜蓿种质间染色体多态性的荧光原位杂交检测. ***植物遗传资源学报***, 2012, 13(5): 782-788.

**基金与项目**

1. 2019.04-2020.12，云南省2018年博士后定向培养资助（项目编号：Y934284），“狗尾草CRISPR/Cas9系统的建立及突变体库的制备” ，16.00万元
2. 2019.04-2020.12，云南省博士后研究项目（项目编号：Y934385），“狗尾草CRISPR/Cas9基因编辑系统的建立”，2.00万元