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姓名：刘道凤
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刘道凤，女，博士，硕士生导师。2012年毕业于中国农业大学园林植物与观赏园艺专业，获林学博士学位。2012年至2014年在西南大学园艺学流动站，即南方山地园艺学教育部重点实验室和重庆市花卉工程技术研究中心从事博士后研究工作。2016年至2017年在美国康奈尔大学园艺系做访问学者。2014年至今任职于西南大学园艺园林学院风景园林系。多年来一直从事园林和观赏植物生物技术与遗传育种的教学及科研工作。近年已先后主持及主研国家自然科学基金、重庆市基础与前沿研究项目、中央高校基本科研业务费重点项目、西南大学“双一流”建设学院优秀青年教师资助项目等科研项目共10余项，在国内外各级期刊，如《Journal of Experimental Botany》、《iScience》、《Frontiers in Plant Science》、《International Journal of Molecular Sciences》、《HortScience》、《Genes》、《PLOS one》、《园艺学报》、《林业科学》发表学术论文20余篇，承担了园林及风景园林专业本科生《园林植物栽培养护学》、《园林树木学》、《观赏植物采后生理与技术》、园艺专业本科生《花卉栽培学》、硕士研究生《观赏园艺研究进展》及参与讲授博士研究生《现代园艺学研究新技术新方法》等课程教学工作。已获批国家专利3项，申请发明专利授权1项，获重庆市自然科学奖三等奖1项。

发表的主要研究论文：

1）Nan Chai, Jie Xu, Rumeng Zuo, Zhengqiong Sun, Yulin Cheng, Shunzhao Sui, Mingyang Li,**Daofeng Liu***. Metabolic and Transcriptomic Profifiling of Lilium Leaves Infected WithBotrytis ellipticaReveals Different Stages of Plant Defense Mechanisms.Frontiers in Plant Science. 2021. (Accepted)

2）Xia Wang,**Daofeng Liu**, Jie Lin, Ting Zhu, Ning Liu, Ximeng Yang, Jing Ma and Shunzhao Sui*. Carotenoid Cleavage Dioxygenase Genes ofChimonanthus Praecox,CpCCD7andCpCCD8, Regulate Shoot Branching inArabidopsis.International Journal of Molecular Sciences. 2021. 22, 8750.https://doi.org/10.3390/ijms22168750

3）Jie Xu, NanChai, Ting Zhang, Ting Zhu, Yulin Cheng,Shunzhao Sui, Mingyang Li, and**Daofeng Liu***. Prediction ofTemperature Tolerance inLiliumBased on Distribution and Climate Data.Iscience. 2021. 24, 102794

4）Jie Lin,**Daofeng Liu**, Xia Wang, Sajjad Ahmed, Mingyang Li, Nik Kovinich*, Shunzhao Sui*. TransgeneCpNAC68from Wintersweet (Chimonanthus praecox) Improves Arabidopsis Survival of Multiple Abiotic Stresses.Plants. 2021. 10, 1403.https://doi.org/10.3390/plants10071403

5）Huan Hu, Nan Chai, Haoxiang Zhu, Rui Li, Renwei Huang, Xia Wang,**Daofeng Liu**, Mingyang Li, Xingrong Song, Shunzhao Sui*.Hortscience. 55(11):1853-1860.

6）Rui Li, Jing Ma, Huamin Liu, Xia Wang, Jing Li, Zhineng Li, Mingyang Li, Shunzhao Sui,**Daofeng Liu***. Overexpression of CpSIZ1, a SIZ/PIAS-Type SUMO E3 Ligase from Wintersweet (Chimonanthus praecox), Delays Flowering, Accelerates Leaf Senescence and Enhances Cold Tolerance in Arabidopsis.Plant Molecular Biology Report. 2020. 1-16.

7）**刘道凤**，王霞，代银，杨建峰，马婧，李名扬，眭顺照*.蜡梅转录因子CpTAF10基因的克隆及功能分析.林业科学, 2019, 55(6):176-182

8）Renwei Huang,**Daofeng Liu (contribution equally)**, Min Huang, Jing Ma, Zhineng Li, Mingyang Li*, and Shunzhao Sui*.CpWRKY71, a WRKY Transcription Factor Gene of Wintersweet (Chimonanthus praecox), Promotes Flowering and Leaf Senescence in Arabidopsis.International Journal of Molecular Sciences. 2019. 20, 5325;doi:10.3390/ijms20215325

9）Rui Li, Lu Fan, Jingdong Lin, Mingyang Li,**Daofeng Liu***, Shunzhao Sui*. In Vitro Mutagenesis followed by Polymorphism Detection Using Start Codon Targeted Markers to Engineer Brown Spot Resistance in Kalanchoe.J.AMER.SOC.HORT.SCI.2019. 144 (3): 193–200.https://doi.org/10.21273/JASHS04571-18

10）Zhineng Li , Yinjie Jiang ,**Daofeng Liu**, Jing Ma, Jing Li, Mingyang Li, Shunzhao Sui*. Floral scent emission from nectaries in the adaxial side of the innermost and middle petals inChimonanthus praecox,International Journal of Molecular Sciences. 2018, 19(10), 3278; doi: 10.3390/ijms19103278

11）Huamin Liu, Renwei Huang, Jing Ma, Shunzhao Sui, Yulong Guo,**Daofeng Liu**, Zhineng Li, Yechun Lin, Mingyang Li*. Two C3H type zinc finger protein genes,CpCZF1andCpCZF2, fromChimonanthus Praecoxaffect stamen development inArabidopsis.Genes. 2017.8(8): 199;doi:10.3390/genes8080199

12）Jing Li, Jianfeng Yang,**Daofeng Liu**, Renwei Huang, Shunzhao Sui, Mingyang Li, Qixiang Zhang*. Isolation and Characterization of plantTAF9, an orthologous Gene for TATA Binding Protein Associated Factor 9, from wintersweet (Chimonanthus praecox).Canadian Journal of Plant Science. 2017. 97: 1100-1108

13）Renwei Huang,**Daofeng Liu (contribution equally)**, Min Zhao, Zhineng Li, Shunzhao Sui, Mingyang Li*. Artificially induced polyploidization inLobularia maritima(L.) Desv.and its effect on morphological traits.Hortscience.2015, 50(5):636-639.

14）Shunzhao Sui, Jianghui Luo,**Daofeng Liu**, Jing Ma, Weiting Men, Lu Fan, Yu Bai, Mingyang Li*. Effects of hormonal treatments on postharvest characteristics in cut wintersweet flowers (Chimonanthus praecox).Hortscience. 2015.50(9):1365-1369

15）Muhammad Ali Khan, Yonglu Meng,**Daofeng Liu**, Hongshu Tang,Suhui Lü,Muhammad Imtiaz, Guimei Jiang,Peitao Lü,Yuqi Ji, Junping Gao, Nan Ma*. Regulation of the roseRhACS1andRhACS2promoters by hormones and abiotic stresses inArabidopsis.Plant Cell Reports. 2015. DOI 10.1007/s00299-015-1742-8.

16）**Daofeng Liu**, Jing Ma, Jianfeng Yang, Tien V Nguyen, Huamin Liu, Renwei Huang, Shunzhao Sui*, Mingyang Li*. Mining SSR and SNP markers in transcriptomic database of wintersweet (Chimonanthus praecox).**Hortscience**. 2014.49(11):1360-1364

17）**Daofeng Liu**, Xiaojing Liu, Yonglu Meng, Cuihui Sun, Hongshu Tang, Yudong Jiang, Muhammad Ali Khan, Jingqi Xue, Nan Ma, Junping Gao*. An organ-specific role for ethylene in rose petal expansion during dehydration and rehydration.**Journal of Experimental Botany**. 2013. 64(8): 2333-2344.

18）**Daofeng Liu**, Shunzhao Sui, Jing Ma, Zhineng Li, Yulong Guo, Dengpan Luo, Jianfeng Yang, Mingyang Li*. Transcriptomic analysis of flower development in wintersweet (Chimonanthus praecox).**PLOS one**9(1): e86976. doi:10.1371/journal.pone.0086976

19）Wen Chen, Xia Yin, Lei Wang, Ji Tian, Ruoyun Yang,**Daofeng Liu**, Zhenhao Yu, Nan Ma, Junping Gao*. Involvement of rose aquaporin RhPIP1;1 in ethylene-regulated petal expansion through interaction with RhPIP2;1.**Plant Molecular Biology**. 2013. (6): 1-15.

20）罗江会，马婧，**刘道凤**，杨建峰，门维婷，万超，眭顺照*，李名扬*.乙烯对蜡梅切花开放衰老及乙烯受体基因表达的影响.植物生理学报，2015，51 (2)：253-258

21）孙翠慧，**刘道凤**，张帅，李娜，马男，薛璟祺*，高俊平. 月季RhRTE1的克隆及其对乙烯响应特性分析. 园艺学报，2012，39 (10)：1975-1982

22） 唐红姝，**刘道凤**，薛璟祺，欧阳琳，孙翠慧，马男，高俊平*. 月季乙烯受体基因的全长克隆及原核表达分析. 园艺学报，2012，39 (12)：2421-2430

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