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研究方向：观赏植物采后生理与品质调控

主要业绩

Ⅰ. 教学工作

《园艺学实验（下）》

Ⅱ. 科研工作

科研项目

1. 国家自然科学基金青年项目：“RhAGL24参与低温影响月季成花转变的分子机制”（2020.01-2022.12），主持

2. 世界顶尖涉农大学合作种子基金专项：“激素信号调控月季花瓣衰老启动的分子机制”（2021.04-2021.11），主持

3. 中央高校基本科研业务费专项资金项目：“月季乙烯信号关键调控因子EIN2 CEND互作蛋白的筛选”（2020.01-2020.11），主持

4. 中国博士后科学基金面上项目：“VaERF057调控山葡萄抗寒性的机理解析”（2016.10-2018.07），主持

论文及著作

[1] **Xiaoming Sun**, Meizhu Qin, Qin Yu, Ziwei Huang, Yue Xiao, Yang Li, Nan Ma, Junping Gao*. Molecular understanding of postharvest flower opening and senescence. ***Molecular Horticulture***, 2021, accepted.

[2] Changxi Chen#, Nisar Hussain#, Yaru Wang, Mingtong Li, Lin Liu, Meizhu Qin, Nan Ma, Junping Gao, **Xiaoming Sun***. An ethylene-inhibited NF-YC transcription factor RhNF-YC9 regulates petal expansion in rose. ***Horticultural Plant Journal***, 2020, 6(6): 419-427.

[3] **Xiaoming Sun**#, Langlang Zhang#, Darren Chern Jan Wong#, Yi Wang, Zhenfei Zhu, Guangzhao Xu, Qingfeng Wang, Shaohua Li, Zhenchang Liang*, Haiping Xin*. The ethylene response factor VaERF092 from Amur grape regulates the transcription factor VaWRKY33, improving cold tolerance. ***Plant Journal***, 2019, 99(5): 988-1002.

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[5] **Xiaoming Sun**#, José Tomás Matus#, Darren Chern Jan Wong, Zemin Wang, Fengmei Chai, Langlang Zhang, Ting Fang, Li Zhao, Yi Wang, Yuepeng Han, Qingfeng Wang, Shaohua Li, Zhenchang Liang*, Haiping Xin*. The GARP/MYB-related grape transcription factor AQUILO improves cold tolerance and promotes the accumulation of raffinose family oligosaccharides. ***Journal of Experimental Botany***, 2018, 69(7): 1749-1764.

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[8] **Xiaoming Sun**, Qiaoping Qin, Jing Zhang, Chi Zhang, Mingbing Zhou, Kee Yoeup Paek, and Yongyi Cui*. Isolation and characterization of the FVE gene of a *Doritaenopsis hybrida* involved in the regulation of flowering. ***Plant Growth Regulation***, 2012, 68:77–86.

[9] **Xiaoming Sun**, Qiaoping Qin, Jing Zhang, Chi Zhang, Mingbing Zhou, Kee Yoeup Paek, and Yongyi Cui*. Cloning and characterization of a *Doritaenopsis hybrid PRP39* gene involved in flowering time. ***Plant Cell Tissue and Organ Culture***, 2012, 110:347–357.