

Horticulture Research

ISSN 2052-7276 (online)
ISSN 2662-6810 (print)
CN 32-1888/S6

园艺研究
25 February 2023
Volume 10 Issue 2

academic.oup.com/hr
www.hortres.com



GWAS analysis of tree peony



万方数据



OXFORD
UNIVERSITY PRESS



Browse issues

Year **2023** Issue **Volume 10, Issue 2, February 2023** Browse by volume

Volume 10, Issue 2, February 2023

ARTICLE

Interaction of AcMADS68 with transcription factors regulates anthocyanin biosynthesis in red-fleshed kiwifruit
Yanfei Liu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac252, <https://doi.org/10.1093/hr/uhac252>
 Abstract **▼** [View article](#) [Supplementary data](#)

Biogenesis of flavor-related linalool is diverged and genetically conserved in tree peony (*Paeonia × suffruticosa*)
Shanshan Li and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac253, <https://doi.org/10.1093/hr/uhac253>
 Abstract **▼** [View article](#) [Supplementary data](#)

Promoter replacement of AN1 induces anthocyanin accumulation and triggers the shade avoidance response through developmental, physiological and metabolic reprogramming in tomato
João Victor Abreu Cerqueira and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac254, <https://doi.org/10.1093/hr/uhac254>
 Abstract **▼** [View article](#) [Supplementary data](#)

The Pythium periplocum elicitor PpEli2 confers broad-spectrum disease resistance by triggering a novel receptor-dependent immune pathway in plants
Kun Yang and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac255, <https://doi.org/10.1093/hr/uhac255>
 Abstract **▼** [View article](#)

Thioredoxin h2 inhibits the MPKK5-MPK3 cascade to regulate the CBF-COR signaling pathway in *Citrullus lanatus* suffering chilling stress
Anqi Xu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac256, <https://doi.org/10.1093/hr/uhac256>
 Abstract **▼** [View article](#) [Supplementary data](#)

Combined effects of temperature and humidity on the interaction between tomato and *Botrytis cinerea* revealed by integration of histological characteristics and transcriptome sequencing
Tianzhu Li and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac257, <https://doi.org/10.1093/hr/uhac257>
 Abstract **▼** [View article](#) [Supplementary data](#)

Overexpression of miR390b promotes stem elongation and height growth in *Populus*
Qiaofang Shi and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac258, <https://doi.org/10.1093/hr/uhac258>
 Abstract **▼** [View article](#) [Supplementary data](#)

Advances in sequencing and key character analysis of mango (*Mangifera indica* L.)
Miaoyu Song and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac259, <https://doi.org/10.1093/hr/uhac259>
 Abstract **▼** [View article](#)

Vacuolar Phosphate Transporter1 (VPT1) may transport sugar in response to soluble sugar status of grape fruits
Qian Bai and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac260, <https://doi.org/10.1093/hr/uhac260>
 Abstract **▼** [View article](#)

VabHLH137 promotes proanthocyanidin and anthocyanin biosynthesis and enhances resistance to *Colletotrichum gloeosporioides* in grapevine
Dan Yu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac261, <https://doi.org/10.1093/hr/uhac261>
 Abstract **▼** [View article](#) [Supplementary data](#)

Population diversity analyses provide insights into key horticultural traits of Chinese native thymes
Meiyu Sun and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac262, <https://doi.org/10.1093/hr/uhac262>
 Abstract **▼** [View article](#) [Supplementary data](#)

Genome-wide association study of 23 flowering phenology traits and 4 floral agronomic traits in tree peony (*Paeonia* section *Moutan* DC.) reveals five genes known to regulate flowering time
Yuying Li and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac263, <https://doi.org/10.1093/hr/uhac263>
 Abstract **▼** [View article](#) [Supplementary data](#)

Telomere-to-telomere and gap-free reference genome assembly of the kiwifruit *Actinidia chinensis*
Junyang Yue and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac264, <https://doi.org/10.1093/hr/uhac264>
 Abstract **▼** [View article](#) [Supplementary data](#)

Genome assembly of wild loquat (*Eriobotrya japonica*) and resequencing provide new insights into the genomic evolution and fruit domestication in loquat
Danlong Jing and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac265, <https://doi.org/10.1093/hr/uhac265>
 Abstract **▼** [View article](#) [Supplementary data](#)

SbMYB3 transcription factor promotes root-specific flavone biosynthesis in *Scutellaria baicalensis*
Yumin Fang and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac266, <https://doi.org/10.1093/hr/uhac266>
 Abstract **▼** [View article](#) [Supplementary data](#)

Theanine, a tea-plant-specific non-proteinogenic amino acid, is involved in the regulation of lateral root development in response to nitrogen status
Tingting Chen and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac267, <https://doi.org/10.1093/hr/uhac267>
 Abstract **▼** [View article](#) [Supplementary data](#)

Mapping and validation of the epistatic D and P genes controlling anthocyanin biosynthesis in the peel of eggplant (*Solanum melongena* L.) fruit
Qian You and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac268, <https://doi.org/10.1093/hr/uhac268>
 Abstract **▼** [View article](#) [Supplementary data](#)

Haem Oxygenase 1 is a potential target for creating etiolated/albino tea plants (*Camellia sinensis*) with high theanine accumulation
Ziping Chen and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac269, <https://doi.org/10.1093/hr/uhac269>
 Abstract **▼** [View article](#)

Selenium species transforming along soil-plant continuum and their beneficial roles for horticultural crops
Qingxue Guo and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac270, <https://doi.org/10.1093/hr/uhac270>
 Abstract **▼** [View article](#)

Protein subcellular localization and functional studies in horticultural research: problems, solutions, and new approaches
Ye Guo and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac271, <https://doi.org/10.1093/hr/uhac271>
 Extract **▼** [View article](#) [Supplementary data](#)

VvMYB14 participates in melatonin-induced proanthocyanidin biosynthesis by upregulating expression of VvMYBPA1 and VvMYBPA2 in grape seeds
Xiaoqian Zhang and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac274, <https://doi.org/10.1093/hr/uhac274>
 Abstract **▼** [View article](#)

MaDREB1F confers cold and drought stress resistance through common regulation of hormone synthesis and protectant metabolite contents in banana
Yi Xu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac275, <https://doi.org/10.1093/hr/uhac275>
 Abstract **▼** [View article](#) [Supplementary data](#)

Functional characterization and key residues engineering of a regiospecificity O-methyltransferase involved in benzyloquinoline alkaloid biosynthesis in *Nelumbo nucifera*
Yuetong Yu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac276, <https://doi.org/10.1093/hr/uhac276>
 Abstract **▼** [View article](#) [Supplementary data](#)

Identification of birch lncRNAs and mRNAs responding to salt stress and characterization of functions of lncRNA
Yaqi Jia and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac277, <https://doi.org/10.1093/hr/uhac277>
 Abstract **▼** [View article](#) [Supplementary data](#)

Variations of stomata development in tea plant (*Camellia sinensis*) leaves in different light and temperature environments and genetic backgrounds
Ping Li and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac278, <https://doi.org/10.1093/hr/uhac278>
 Abstract **▼** [View article](#) [Supplementary data](#)

Deeply functional identification of TCS1 alleles provides efficient technical paths for low-caffeine breeding of tea plants
Yi Wang and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac279, <https://doi.org/10.1093/hr/uhac279>
 Abstract **▼** [View article](#) [Supplementary data](#)

Engineered Cleistogamy in *Camelina sativa* for bioconfinement
Debao Huang and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac280, <https://doi.org/10.1093/hr/uhac280>
 Abstract **▼** [View article](#) [Supplementary data](#)

An improved assembly of the "Cascade" hop (*Humulus lupulus*) genome uncovers signatures of molecular evolution and refines time of divergence estimates for the Cannabaceae family
Lillian K Padgett-Cobb and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac281, <https://doi.org/10.1093/hr/uhac281>
 Abstract **▼** [View article](#) [Supplementary data](#)

SLMYB1 regulates the accumulation of lycopene, fruit shape, and resistance to *Botrytis cinerea* in tomato
Ziyi Yin and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac282, <https://doi.org/10.1093/hr/uhac282>
 Abstract **▼** [View article](#) [Supplementary data](#)

Genome-wide analysis of cytochrome P450 genes in *Citrus clementina* and characterization of a CYP gene encoding flavonoid 3'-hydroxylase
Xiaojuan Liu and others
Horticulture Research, Volume 10, Issue 2, February 2023, uhac283, <https://doi.org/10.1093/hr/uhac283>
 Abstract **▼** [View article](#) [Supplementary data](#)

All issues



Email alerts
[Advance article alerts](#)
[New issue alert](#)
[In progress issue alert](#)

Receive exclusive offers and updates from Oxford Academic

RSS Feeds

- [RSS Feed - Latest Issue Only](#)
- [RSS Feed - Advance Articles](#)
- [RSS Feed - Open Access](#)

Latest [Most Read](#) [Most Cited](#)

Single-cell transcriptome atlas reveals spatiotemporal developmental trajectories in the basal roots of Moso bamboo (*Phyllostachys edulis*)

Molecular and genetic regulations of fleshy fruit shape and lessons from *Arabidopsis* and rice

The genome of okra (*Abelmoschus esculentus*) provides insights into its genome evolution and high nutrient content

Role of BraRGL1 in regulation of *Brassica rapa* bolting and flowering

UV-B promotes flavonoid biosynthesis in *Ginkgo biloba* by inducing the GBHY5-GMYB1-GbFLS module



Volume 10, Issue 2
 February 2023
 Cover image
 EISSN 2052-7276

Article

[< Previous](#) [Next >](#)

OXFORD UNIVERSITY PRESS **Plant Science Hub**
Sustainable Plant Production [Explore the collections now](#)

OXFORD UNIVERSITY PRESS **Plant Science Hub**
Plant Resilience **Developing Technologies**
Sustainable Plant Production **Plant Science to Improve** [Explore the collections now](#)

- About Horticulture Research
- Editorial Board
- Author Guidelines
- International Horticulture Research Conference
- Advertising & Corporate Services

- Facebook
- Twitter
- WeChat
- YouTube
- LinkedIn

Horticulture Research