

ISSN (PRINT) 1674-2052 ISSN (ONLINE) 1752-9867 CN 31-2013/Q 分子植物



Molecular Plant

Volume 11
Number 12

December 3, 2018

www.cell.com/molecular-plant
www.mplant.org



IPPE, SIBS, CAS
万方数据

CellPress

Molecular Plant

Published on behalf of CSPB and IPPE, SIBS, CAS

Volume 11 Number 12 December 2018

Spotlights

- 1421** **Transcriptional Regulation of Nutrient Exchange in Arbuscular Mycorrhizal Symbiosis**

Erik Limpens and Rene Geurts

- 1424** **The β C1 Protein of Geminivirus–Betasatellite Complexes: A Target and Repressor of Host Defenses**

Fangfang Li, Xiuling Yang, David M. Bisaro, and Xueping Zhou

Review Article

- 1427** **Pandemonium Breaks Out: Disruption of Salicylic Acid-Mediated Defense by Plant Pathogens**

Guang Qi, Jian Chen, Ming Chang, Huan Chen, Katherine Hall, John Korin, Fengquan Liu, Daowen Wang, and Zheng Qing Fu

Research Articles

- 1440** **From Golden Rice to aSTARice: Bioengineering Astaxanthin Biosynthesis in Rice Endosperm**

Qinlong Zhu, Dongchang Zeng, Suize Yu, Chaojun Cui, Jiamin Li, Heying Li, Junyu Chen, Runzhao Zhang, Xiucui Zhao, Letian Chen, and Yao-Guang Liu

- 1449** **A WW Domain-Containing Protein Forms Immune Nuclear Bodies against Begomoviruses**

Iara P. Calil, Iana P.S. Quadros, Thais C. Araújo, Christiane E.M. Duarte, Bianca C. Gouveia-Mageste, José Cleudson F. Silva, Otávio J.B. Brustolini, Ruan M. Teixeira, Cauê N. Oliveira, Rafael W.M.M. Milagres, Gilberto S. Martins, Joanne Chory, Pedro A.B. Reis, Joao Paulo B. Machado, and Elizabeth P.B. Fontes

- 1466** **Nucleocytoplasmic Shuttling of Geminivirus C4 Protein Mediated by Phosphorylation and Myristoylation Is Critical for Viral Pathogenicity**

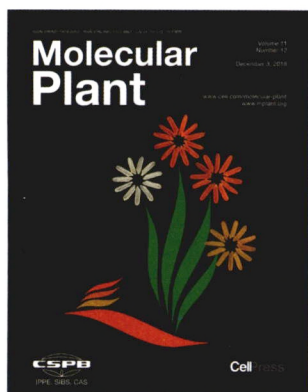
Yuzhen Mei, Yaqin Wang, Tao Hu, Xiuling Yang, Rosa Lozano-Duran, Garry Sunter, and Xueping Zhou

- 1482** **The *Chrysanthemum nankingense* Genome Provides Insights into the Evolution and Diversification of Chrysanthemum Flowers and Medicinal Traits**

Chi Song, Yifei Liu, Aiping Song, Gangqiang Dong, Hongbo Zhao, Wei Sun, Shyam Ramakrishnan, Ying Wang, Shuaibin Wang, Tingzhao Li, Yan Niu, Jiafu Jiang, Bin Dong, Ye Xia, Sumei Chen, Zhigang Hu, Fadi Chen, and Shilin Chen

1492 ***N*⁶-Methyladenine DNA Methylation in *Japonica* and *Indica* Rice Genomes and Its Association with Gene Expression, Plant Development, and Stress Responses**

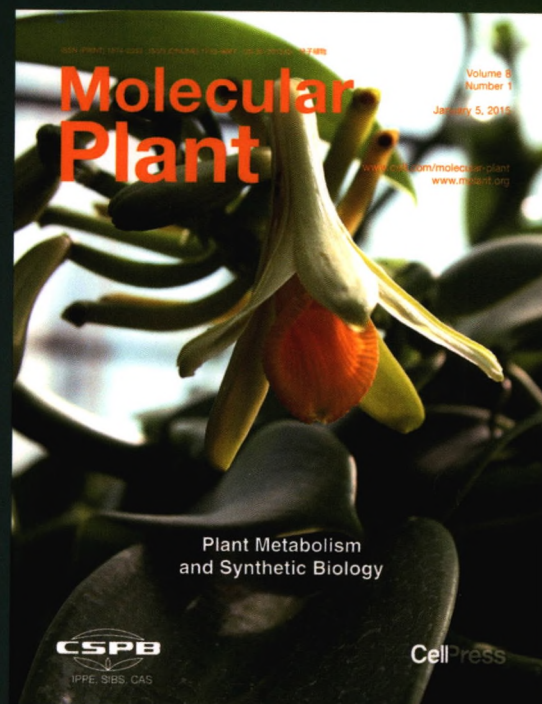
Qian Zhang, Zhe Liang, Xuean Cui, Changmian Ji, Yun Li, Pingxian Zhang, Jingrong Liu, Adeel Riaz, Pu Yao, Min Liu, Yunpeng Wang, Tiegang Lu, Hao Yu, Donglei Yang, Hongkun Zheng, and Xiaofeng Gu



On The Cover

A soaring phoenix from the paddy fields, showing the genetically engineered rice germplasms, from Golden Rice, Canthaxanthin Rice, to Astaxanthin Rice (also called “Chijingmi” in Chinese). Image by: Yaoguang Liu and Yuanling Chen.

Share your plant biology breakthroughs with the world



Give your plant biology research the global visibility and recognition it deserves. Share your breakthroughs with the world in *Molecular Plant*, now published by Cell Press. Submit your manuscript today!

Learn more and sign up for free e-Tables of Contents at
www.cell.com/molecular-plant

Postal Delivery No.4-161 ¥ 200/Issue

CellPress