

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

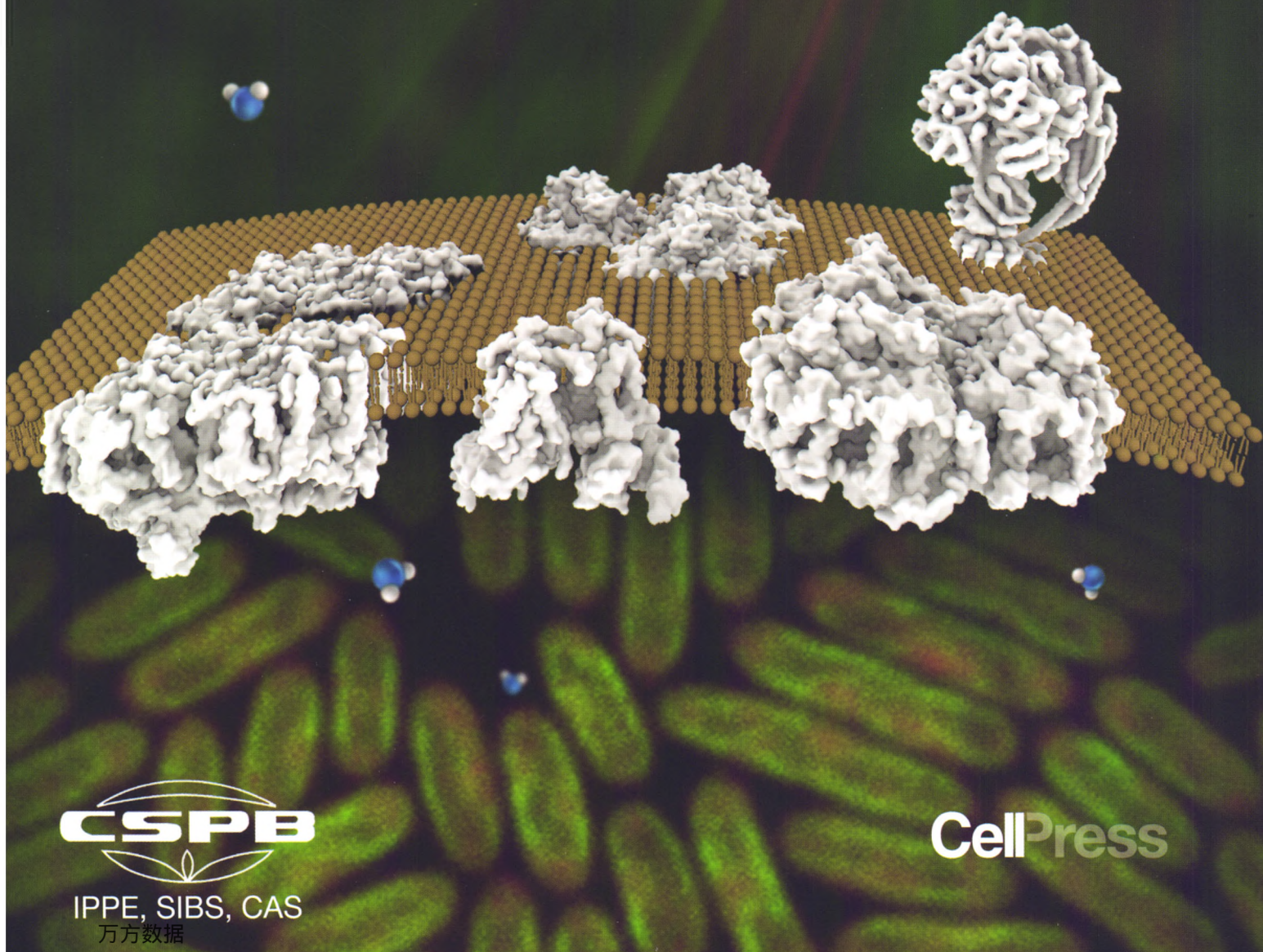


Molecular Plant

Volume 10
Number 11

November 6, 2017

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 10 Number 11 November 2017

Spotlights

- 1365 Flowering on Time: Multilayered Restrictions on FT in Plants**

Zhengrui Qin, Yuxue Bai, and Liang Wu

- 1368 Targeted Genome Editing in Genes and *cis*-Regulatory Regions Improves Qualitative and Quantitative Traits in Crops**

Xitao Li, Yongyao Xie, Qinlong Zhu, and Yao-Guang Liu

Review Article

- 1371 The pH of the Apoplast: Dynamic Factor with Functional Impact Under Stress**

Christoph-Martin Geilfus

Research Articles

- 1387 5-Methylcytosine RNA Methylation in *Arabidopsis Thaliana***

Xuean Cui, Zhe Liang, Lisha Shen, Qian Zhang, Shengjie Bao, Yuke Geng, Bin Zhang, Vonny Leo, Leah A. Vardy, Tiegang Lu, Xiaofeng Gu, and Hao Yu

- 1400 Initiation of ER Body Formation and Indole Glucosinolate Metabolism by the Plastidial Retrograde Signaling Metabolite, MECPP**

Jin-Zheng Wang, Baohua Li, Yanmei Xiao, Yu Ni, Haiyan Ke, Panyu Yang, Amancio de Souza, Marta Bjornson, Xiang He, Zhouxin Shen, Gerd Ulrich Balcke, Steve P. Briggs, Alain Tissier, Daniel J. Kliebenstein, and Katayoon Dehesh

- 1417 Hairy Leaf 6, an AP2/ERF Transcription Factor, Interacts with OsWOX3B and Regulates Trichome Formation in Rice**

Wenqiang Sun, Dawei Gao, Yin Xiong, Xinxin Tang, Xiongfeng Xiao, Chongrong Wang, and Sibin Yu

- 1434 Dissecting the Native Architecture and Dynamics of Cyanobacterial Photosynthetic Machinery**

Selene Casella, Fang Huang, David Mason, Guo-Yan Zhao, Giles N. Johnson, Conrad W. Mullineaux, and Lu-Ning Liu

- 1449 A Critical Role of AMT2;1 in Root-To-Shoot Translocation of Ammonium in *Arabidopsis***

Ricardo F.H. Giehl, Alberto M. Laginha, Fengying Duan, Doris Rentsch, Lixing Yuan, and Nicolaus von Wirén

Letters to the Editor

- 1461 The bHLH Transcription Factors MYC2, MYC3, and MYC4 Are Required for Jasmonate-Mediated Inhibition of Flowering in *Arabidopsis***

Houping Wang, Yang Li, Jinjing Pan, Dengji Lou, Yanru Hu, and Diqiu Yu

- 1465 PacBio Sequencing Reveals Transposable Elements as a Key Contributor to Genomic Plasticity and Virulence Variation in *Magnaporthe oryzae***

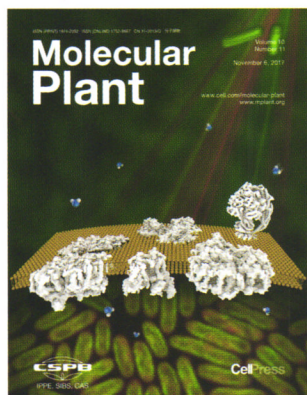
Jiandong Bao, Meilian Chen, Zhenhui Zhong, Wei Tang, Lianyu Lin, Xingtian Zhang, Haolang Jiang, Deyu Zhang, Chenyong Miao, Haibao Tang, Jisen Zhang, Guodong Lu, Ray Ming, Justice Norvienyeku, Baohua Wang, and Zonghua Wang

1469 **Direct Modulation of the Guard Cell
Outward-Rectifying Potassium Channel
(GORK) by Abscissic Acid**

*Amanda Ooi, Fouad Lemtiri-Chlieh, Aloysius Wong,
and Christoph Gehring*

1473 **CAPPI: A Cytoskeleton-Based Localization Assay
Reports Protein-Protein Interaction in Living Cells
by Fluorescence Microscopy**

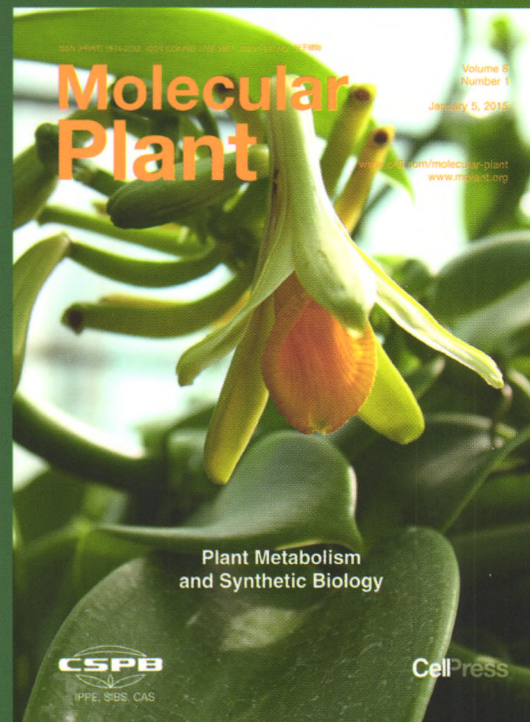
*Sulian Lv, Huiying Miao, Ming Luo, Yinxin Li, Qiaomei Wang,
Yuh-Ru Julie Lee, and Bo Liu*



On The Cover

Microscopic imaging of cyanobacterial photosynthetic machinery. The cover image shows the supramolecular organization of photosynthetic complexes in cyanobacterial thylakoid membranes, including photosystem II, photosystem I, cytochrome b_6f and ATP synthase. These photosynthetic complexes possess functional distribution and mobility in cyanobacteria, ensuring the photosynthetic performance and regulation of the entire photosynthetic machinery. Image by: Lu-Ning Liu.

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 ¥ 180/Issue

CellPress