植物暨微生物學研究所

陳榮芳（CHEN, LONG-FANG O.）

Lin WJ, Ko CY, Liu MS, Kuo CYen, Wu DC, Chen CY, Schafleitner R, Chen LFO, Lo HF (accepted) Transcriptomic and proteomic research to explore bruchid-resistant genes in mungbean isogenic lines. *Journal of Agricultural and Food Chemistry* (SCI) (IF: 2.912; SCI ranking: 3.6%, 15.3%, 10.6%)

Yen CC, Chuang YC, Ko CY, Chen LFO, Chen SS, Lin CJ, Chou YL*, Shaw Jei-Fu* (2016) Immobilization of Chlamydomonas reinhardtii CLH1 on APTES-coated magnetic iron oxide nanoparticles and its potential in the production of chlorophyll derivatives. *Molecules* 21(8):972. (SCI) (IF: 2.416; SCI ranking: 37.9%)

Schafleitner R, Huang SM, Chu SH, Yen JY, Lin CY, Yan MR, Krishnan B, Liu MS, Lo HF, Chen CY, Chen LFO, Wu DC, Thi Bui TG, Ramasamy S, Tung CW, Nair R. (2016) Identification of single nucleotide polymorphic markers associated with resistance to bruchids (*Callosobruchus* spp.) in wild mungbean (*Vigna radiata* var. sublobata) and cultivated *V. radiata* through genotyping by sequencing and quantitative trait locus analysis. *BMC Plant Biology* 16:159. (SCI) (IF: 3.813; SCI ranking: 10.8%)

Liu MS, Kuo TCY, Ko CY, Wu DC, Li KY, Lin WJ, Lin CP, Wang YW, Schafleitner R, Lo HF, Chen CY*and Chen LFO* (2016) Genomic and transcriptomic comparison of nucleotide variations for insights into bruchid resistance of mungbean (*Vigna radiata* [L.] R. Wilczek). *BMC Plant Biology* 16:46. (SCI) (IF: 3.813; SCI ranking: 10.8%)

陳柏仰（CHEN, PAO-YANG）

Su SY, Chen SH, Lu IH, Chiang YS, Wang YB, Chen PY* and Lin CY* (2016) TEA: the epigenome platform for Arabidopsis methylome study. *BMC Genomics* 17:3326. (SCI) (IF: 3.986; SCI ranking: 16%, 24%)

Hargan-Calvopina J, Taylor S, Cook H, Hu Z, Lee SA, Yen MR, Chiang YS, Chen PY, Clark AT* (2016) Stage-specific demethylation in primordial germ cells safeguards against precocious differentiation. *Developmental cell* 39:1-12. (SCI) (IF: 9.708; SCI ranking: 10.3%, 7.3%)

Yong WS, Hsu FM, Chen PY* (2016) Profiling genome-wide DNA methylation. *Epigenetics & Chromatin* 9:26. (SCI) (IF: 5.333; SCI ranking: 15.6%)

Flinders C, Lam L, Rubbi L, Ferrari R, Fitz-Gibbon S, Chen PY, Thompson M, Christofk H, B Agus D, Ruderman D, Mallick P*, Pellegrini M* (2016) Epigenetic changes mediated by polycomb repressive complex 2 and E2a are

associated with drug resistance in a mouse model of lymphoma. *Genome medicine* 8(1):54. (SCI) (IF: 5.809; SCI ranking: 13.2%)

Hsu FM, Yong WS, Chen PY* (2016) Views on Profiling Genomewide DNA Methylation and Crop Methylomes. *Crop, Environment & Bioinformatics* 13:39-51. (Scopus)

周素珍（CHOU, SHU JEN）

Hou CY, Lee WC, Chou HC, Chen AP, Chou SJ, and Chen HM. (2016) Global analysis of truncated RNA ends reveals new insights into ribosome stalling in plants. *The Plant Cell* 28:2398-2416. (SCI) (IF: 9.338; SCI ranking: 6.2%, 2%, 12%)

Sang CH, Chou SJ, Pan FM, Sheu JT (2016) Fluorescence enhancement and multiple protein detection in ZnO nanostructure microfluidic devices. *Biosensors& Bioelectronics* 75:285-292. (SCI) (IF: 6.409; SCI ranking: 9.6%, 6.7%, 4.1%, 3.6%, 17.5%)

朱修安（CHU, HSIU AN）

Huang JY et al.and Chu HA* (2016) Mutations of cytochrome b_{559} and PsbJ on and near the QC site in photosystem II influence the regulation of short-term light response and photosynthetic growth of the cyanobacterium Synechocystis sp. PCC 6803. *Biochemistry* 55(15):2214-2226. (SCI) (IF: 3.015; SCI ranking: 42.4%)

Chu HA* and Chiu YF (2016) The roles of cytochrome b559 in assembly and photoprotection of Photosystem II revealed by site-directed mutagenesis studies. *Frontiers in Plant Science* 6:1261. (SCI) (IF: 3.948; SCI ranking: 9.3%)

賀端華（HO, TUAN HUA DAVID）

Lo SF, Ho THD*, Lin YL, Jiang MJ, Hsieh KT, Chen KT, Yu LC, Lee MH, Chen CY, Huang TP, Kojima M, Sakabara H, Chen LJ*, Yu SM* (2016) Ectopic expression of specific GA2 oxidase mutants promotes yield and stress tolerance in rice. *Plant Biotechnology Jounral*. (SCI) (IF: 5.906; SCI ranking: 5.1%)

Chang CJ, Lee CC, Chan YT, Trudeau DL, Wu MH, Tsai CH, Yu SM, Ho THD, Wang AH, Hsiao CD, Arnold FH, Chao YC* (2016) Exploring the Mechanism Responsible for Cellulase Thermostability by Structure-Guided Recombination. *PLOS ONE* 11(3):e0147485. (SCI) (IF: 3.234; SCI ranking: 15.8%)

Lo SF, Fan MJ, Hsing YI, Chen LJ, Chen S, Wen IC, Liu YL, Chen KT, Jiang MJ, Lin MK, Rao MY, Yu LC, Ho THD*, Yu SM* (2016) Genetic resources offer efficient tools for rice functional genomics research. *Plant Cell and Environment* 39(5):998-1013. (SCI) (IF: 6.96; SCI ranking: 3.4%)

謝明勳（HSIEH, MING-HSIUN）

Kan CC, Chung TY, Wu HY, Juo YA, Hsieh MH* (2016) Glutamate rapidly induces the expression of genes involved in metabolism and defense responses in rice roots. *BMC Genomics*. (SCI) (IF: 3.986; SCI ranking: 16%, 24%)

Liao JC, Hsieh WY, Tseng CC, Hsieh MH* (2016) Dysfunctional chloroplasts up-regulate the expression of mitochondrial genes in Arabidopsis seedlings. *Photosynthesis Research* 127(2):151-159. (SCI) (IF: 3.502; SCI ranking: 14.2%)

Leu KC, Hsieh MH, Wang HJ, Hsieh HL, Jauh GY* (2016) Distinct role of Arabidopsis mitochondrial P-type pentatricopeptide repeat protein-modulating editing protein, PPME, in nad1 RNA editing. *RNA Biology* 13(6):593-604. (SCI) (IF: 4.974; SCI ranking: 17.9%)

邢禹依（HSING, YUE-IE CAROL）

Sagart L*, Hsu TF, Tsai YC, Hsing YIC (2016) Austronesian and Chinese words for the millets. *Language Dynamics and Change* in press.

Wei FJ, Tsai YC, Hsu YM, Chen YA, Hang CT, Wu HP, Huang LT, Lai MH, Kuang LY, Lo SF, Yu SM, YR Lin, Hsing YIC* (2016) Lack of Genotype and Phenotype Correlation in a Rice T-DNA Tagged Line Is Likely Caused by Introgression in the Seed Source. *PLOS ONE* 11(5):e0155768. (SCI) (IF: 3.234; SCI ranking: 15.8%)

Lo SF, Fan MJ, Hsing YIC, Chen LJ, Chen S, Wen IC, Liu YL, Chen KT, Jiang MJ, Lin MK, Rao MY, Yu LC, Ho THD*, Yu SM* (2016) Genetic resources offer efficient tools for rice functional genomics research. *Plant Cell and Environment* 39:998-1013. (SCI) (IF: 6.96; SCI ranking: 3.4%)

Baldrich P, Hsing YIC, San Segundo B* (2016) Genome-wide analysis of polycistronic microRNAs in cultivated and wild rice. *Genome Biology and Evolution* 8(4):1104-1114. (SCI) (IF: 4.229; SCI ranking: 19.6%, 22.2%)

Wei FJ, Tsai YC, Wu HP, Huang LT, Chen YC, Chen YF, Wu CC, Tseng YT, and Hsing YIC* (2016) Both Hd1 and Ehd1 are important for artificial selection of flowering time in cultivated rice. *Plant Science* 242:187-194. (SCI) (IF: 3.607; SCI ranking: 31.4%,13.2%)

Wei FJ, Kuang LY, Oung HM, Cheng SY, Wu HP, Huang LT, Tseng YT, Chiou WY, Hsieh-Feng V, Chung CH, Yu SM, Lee LY, Gelvin SB, Hsing YIC* (2016) Somaclonal variation does not preclude the use of rice transformants for genetic screening. *Plant Journal* 85: 648-659. (SCI) (IF: 5.972; SCI ranking: 4.9%)

簡萬能（JANE, WANN-NENG）

Hsu YC*, Jane WN, and Chen SH (2016) Inflorescence and floral development in Trochodendron aralioides (Trochodendraceae). *Plant System and Evolution* accepted. (SCI) (IF: 1.422; SCI ranking: 48%)

Huang XC, Inoue-Aono Y, Moriyasu Y, Hsieh PY, Tu WM, Hsiao SC, Jane WN, Hsu HY* (2016) Plant cell wall-penetrable, redox-rsponsive silica nanoprobe for the imaging of starvation-induced vesicle trafficking. *Analytical Chemistry* 88:10231-10236. (SCI) (IF: 5.636; SCI ranking: 5.4%)

Wang HW, Hsu YW, Guo CL, Jane WN, Wang H, Jiang L, Jauh GY* (2016) VPS36-dependent multivesicular bodies are critical for plasmamembrane protein turnover and vacuolar biogenesis. *Plant physiology* in press. (SCI) (IF: 6.841; SCI ranking: 3.9%)

趙光裕（JAUH, GUANG-YUH）

Leu KC, Hsieh MH, Wang HJ, Hsieh HL, Jauh GY* (2016) Distinct role of Arabidopsis mitochondrial P-type pentatricopeptide repeat protein-modulating editing protein, PPME, in nad1 RNA editing. *RNA Biology* 13(6):593-604. (SCI) (IF: 4.974; SCI ranking: 17.9%)

Chen YC, Wang HJ, Jauh GY* (2016) Dual role of a SAS10/C1D family protein in ribosomal RNA gene expression and processing is essential for reproduction in *Arabidopsis thaliana*. *PLoS Genetics* 12(10):e1006408. (SCI) (IF: 7.528; SCI ranking: 8.4%)

De K, Bolanos-Villegas P, Mitra S, Yang X, Homan G, Jauh GY, Makaroff CA* (2016) The opposing actions of Arabidopsis CHROMOSOME TRANSMISSION FIDELITY7 and WINGS APART-LIKE1 and 2 differ in mitotic and meiotic cells. *The Plant Cell* 28(2): 521-36. (SCI) (IF: 9.338; SCI ranking: 6.2%, 2%, 12%)

Wang HW, Hsu YW, Guo CL, Jane WN, Wang H, Jiang L, Jauh GY* (2016) VPS36-dependent multivesicular bodies are critical for plasmamembrane protein turnover and vacuolar biogenesis. *Plant Physiology* in press. (SCI) (IF: 6.841; SCI ranking: 3.9%)

朱宇敏（JU, YU-MING）

Chang JC, Hsiao G, Lin RK, Kuo YH, Ju YM, Lee TH* Bioactive constituents from the termite nest-derived medicinal fungus. *Xylaria nigripes*. *Journal of Natural Products* accepted. (SCI) (IF: 3.798; SCI ranking: 11.3%, 11.9%, 20.8%) (accepted)

Ju YM, Hsieh HM, Dominick S (2016) The *Xylaria* names proposed by C. G. Lloyd. (in press). *North American Fungi* 11(1):1–31.

Rogers JD, Ju YM (2016) *Halorosellinia bandonii*, sp. nov. *North American Fungi* 11(3):1–2.

Cho TY, Wang GJ, Ju YM, Chen MC, Lee TH (2016) Chemical constituents from termite-associated *Xylaria acuminatilongissima* YMJ623. *Journal of the Chinese Chemical Society* 63:404–409. (SCI) (IF: 0.648; SCI ranking: 80.9%)

Réblová M, Miller AN, Rossman AY, Seifert KA, Crous PW, Hawksworth DL, Abdel-Wahab M, Cannon PF, Daranagama DA, De Beer ZW, Huang SK, Hyde KD, Jayawardena R, Jaklitsch W, Jones EBG, Ju YM, Judith C, Maharachchikumbura SSN, Pang KL, Petrini LE, Raja HA, Romero AI, Shearer C, Senanayake IC, Voglmayr H, Weir BS, Wijayawarden NN (2016) Recommendations for competing sexual-asexually typified generic names in Sordariomycetes (except Diaporthales, Hypocreales, and Magnaporthales). *IMA Fungus* 7:131–153.

金原和江（KANEHARA, KAZUE）

Hung CH, Kanehara K, Nakamura Y* (2016) In vivo Reconstitution of Algal Triacylglycerol Production in Saccharomyces cerevisiae. *Frontiers in Microbiology* 7:70. (SCI) (IF: 3.989; SCI ranking: 22.7%)

Hung CH, Kanehara K, Nakamura Y* (2016) Isolation and characterization of a mutant defective in triacylglycerol accumulation in nitrogen-starved Chlamydomonas reinhardtii. *Biochimica et Biophysica Acta-Molecular and Cell Biology of Lipids* 1861(9 Pt B):1282-1293. (SCI) (IF: 5.162; SCI ranking: 16.2%, 15.1%, 25%)

匡麟芸（KUANG, LIN-YUN）

Wei FJ, Kuang LY, Oung HM, Cheng SY, Wu HP, Huang LT, Tseng YT, Chiou WY, Hsieh-Feng V, Chung CH, Yu SM, Lee LY, Gelvin SB, Hsing YIC* (2016) Somaclonal variation does not preclude the use of rice transformants for genetic screening. *The Plant Journal: for Cell and Molecular Biology* 85(5): 648-659. (SCI) (IF: 5.972; SCI ranking: 4.9%)

郭志鴻（KUO, CHIH-HORNG）

Orlovskis Z, Canale MC, Haryono M, Lopes JRS, Kuo CH*, Hogenhout S* (2016) A few sequence polymorphisms among isolates of maize bushy stunt phytoplasma associate with organ proliferation symptoms in infected maize plants. *Annals of Botany* accepted. DOI:10.1093/aob/mcw213. (SCI) (IF: 3.654; SCI ranking: 12.7%)

Lo WS, Haryono M, Gasparich GE, Kuo CH* (2016) Complete genome sequence of Spiroplasma sp. TU-14. *Genome Announcements* 5:e01465-16.

Shen WY, Lo WS, Lai YC, Kuo CH* (2016) Complete genome sequence of Spiroplasma helicoides TABS-2T (DSM 22551), a bacterium isolated from a horse fly (Tabanus abactor). *Genome Announcements* 4:e01201-16.

Lo WS, Gasparich GE, Kuo CH* (2016) Complete genome sequence of Spiroplasma turonicum Tab4cT, a bacterium isolated from horse flies (*Haematopota* sp.). *Genome Announcements* 4:e01010-16.

Lo WS, Huang YY, Kuo CH* (2016) Winding paths to simplicity: genome evolution in facultative insect symbionts. *FEMS Microbiology Reviews* 40:855-874. (SCI) (IF: 13.244; SCI ranking: 3.4%)

Bondage DD, Lin JS, Ma LS, Kuo CH, Lai EM* (2016) VgrG C terminus confers the type VI effector transport specificity and is required for binding with PAAR and adaptor-effector complex. *Proceedings of the National Academy of Sciences of the United States of America* 113(27):E3931-E3940. (SCI) (IF: 9.674; SCI ranking: 7%)

Wu WL, Lai SJ, Yang JT, Chern J, Liang SY, Chou CC, Kuo CH, Lai MC*, Wu SH* (2016) Phosphoproteomic analysis of Methanohalophilus portucalensis FDF1(T) identified the role of protein phosphorylation in methanogenesis and osmoregulation. *Scientific Reports* 6:29013. (SCI) (IF: 5.578; SCI ranking: 8.8%)

Chang CL, Chung CY, Kuo CH, Kuo TF, Yang CW*, Yang WC* (2016) Beneficial Effect of Bidens pilosa on Body Weight Gain, Food Conversion Ratio, Gut Bacteria and Coccidiosis in Chickens. *PLOS ONE* 11(1):e0146141. (SCI) (IF: 3.234; SCI ranking: 15.8%)

賴爾珉（LAI, ERH MIN）

Bondage D, Lin JS, Ma LS, Kuo CH, and Lai EM* (2016) VgrG C-terminus confers the type VI effector transport specificity and is required for binding with PAAR and adaptor-effector complex. *Proceedings of the National Academy of Sciences of the United States of America* 113(27): E3931-40. (SCI) (IF: 9.674; SCI ranking: 7%)

Lin JS and Lai EM* (2016) Protein-protein interactions: Co-immunoprecipitation. Bacterial Protein Secretion Systems: Methods and Protocols. New York, NY: Springer. (in press, invited)

Lin JS and Lai EM* (2016) Protein-protein interactions: Yeast two-hybrid. Bacterial Protein Secretion Systems: Methods and Protocols. New York, NY: Springer. (in press, invited)

林納生（LIN, NA-SHENG）

Chang CH, Hsu FC, Lee SC, Lo YS, Wang JD, Shaw J, Taliansky M, Chang BY, Hsu YH, Lin NS* (2016) The nucleolar fibrillarin protein is required for helper virus-independent long-distance trafficking of a subviral satellite RNA in plants. *Plant Cell* 28:2586-2602. (SCI) (IF: 9.338; SCI ranking: 6.2%, 2%, 12%)

Ho TL, Lee HC, Chou YL, Tseng YH, Huang, WC, Wung CH, Lin NS, Hsu YH, Chang BY* (2016) The cysteine residues at the C-terminal tail of bamboo bamboo mosaic virus triple gene block protein 2 are critical for efficient plasmodesmata localization of protein 1 in the same block. *Virology* 501:47-53. (SCI) (IF: 3.321; SCI ranking: 39.4%)

Cheng N, Lo YS, Ansari MI, Ho KC, Jeng ST, Lin NS, Dai H* (2016) Correlation between mtDNA complexity and mtDNA replication mode in developing cotyledon mitochondria during mung bean seed germination. *New Phytologist* doi:10.1111/nph.14158. (SCI) (IF: 7.672; SCI ranking: 2.9%)

Huang YP, Jhuo JH, Tsai MS, Tsai CH, Chen HC, Lin NS, Hsu YH, Cheng CP* (2016) NbRABG3f, a member of Rab GTPase, is involved in Bamboo mosaic virus infection in *Nicotiana benthamiana*. *Molecular Plant Pathology* 17(5):714-726. (SCI) (IF: 4.724; SCI ranking: 7.8%)

Muthamilselvan T, Lee CW, Cho YH, Wu FC, Hu CC, Liang YC, Lin NS, Hsu YH* (2016) A transgenic plant cell-suspension system for expression of epitopes on chimeric Bamboo mosaic virus particles. *Plant Biotechnology Journal* 14(1), 231-239. (SCI) (IF: 5.752; SCI ranking: 9.2%, 5.4%)

林文鍵（LIN, WEN-DAR）

Salazar-Henao JE, Lin WD, Schmidt W* (2016) Discriminative gene co-expression network analysis uncovers novel modules involved in the formation of phosphate deficiency-induced root hairs in Arabidopsis. *Scientific Reports* 6:26820. (SCI) (IF: 5.578; SCI ranking: 8.8%)

Kanno T, Lin WD, Fu JL, Wu MT, Yang HW, Lin SS, Matzke AJ, Matzke MA (2016) Identification of Coilin Mutants in a Screen for Enhanced Expression of an Alternatively Spliced GFP Reporter Gene in Arabidopsis thaliana. *Genetics* 203(4):1709-20. (SCI) (IF: 5.963; SCI ranking: 12.6%)

Shinde S, Villamor JG, Lin WD, Sharma S, Verslues PE* (2016) Proline coordination with fatty acid synthesis and redox metabolism of chloroplast and mitochondria. *Plant Physiology* 172:1074-1088. (SCI) (IF: 6.841; SCI ranking: 3.9%)

麥東傑（MATZKE, ANTONIUS）

Kanno T, Lin WD, Fu JL, Wu MT, Yang HW, Lin SS, Matzke AJ*, Matzke MA* (2016) Identification of Coilin Mutants in a Screen for Enhanced Expression of an Alternatively Spliced GFP Reporter Gene in Arabidopsis thaliana. *Genetics* 203(4): 1709-20. (SCI) (IF: 5.963; SCI ranking: 12.6%)

麥卓琍（MATZKE, MARJORI）

Kanno T, Lin WD, Fu JL, Wu MT, Yang HW, Lin SS, Matzke AJ*, Matzke MA* (2016) Identification of Coilin Mutants in a Screen for Enhanced Expression of an Alternatively Spliced GFP Reporter Gene in Arabidopsis thaliana. *Genetics* 203(4): 1709-20. (SCI) (IF: 5.963; SCI ranking: 12.6%)

中村友輝（NAKAMURA, YUKI）

Lin YC, Kobayashi K, Hung CH, Wada H, and Nakamura Y* (2016) Arabidopsis PHOSPHATIDYLGLYCEROPHOSPHATE PHOSPHATASE1 (PGPP1) involved in phosphatidylglycerol biosynthesis and photosynthetic function. *Plant Journal* 88(6): 1022-1037. (SCI) (IF: 5.972; SCI ranking: 4.9%)

Yunus IS, Liu YC, and Nakamura Y* (2016) The importance of SERINE DECARBOXYLASE1 (SDC1) and ethanolamine biosynthesis during embryogenesis of Arabidopsis thaliana. *Plant Journal* 88(4): 559-569. (SCI) (IF: 5.972; SCI ranking: 4.9%)

Hung CH, Kanehara K, Nakamura Y* (2016) Isolation and characterization of a mutant defective in triacylglycerol accumulation in nitrogen-starved Chlamydomonas reinhardtii. *Biochimica et Biophysica Acta-Molecular and Cell Biology of Lipids* 1861(9 Pt B): 1282-1293. (SCI) (IF: 5.162; SCI ranking: 16.2%, 15.1%, 25%)

Hung CH, Kanehara K, Nakamura Y* (2016) In vivo Reconstitution of Algal Triacylglycerol Production in Saccharomyces cerevisiae. *Frontiers in Microbiolog* 7: 70. (SCI) (IF: 3.989; SCI ranking: 22.7%)

Hung CH, Kobayashi K, Wada H, and Nakamura Y (2016) Functional specificity of cardiolipin synthase revealed by the identification of a cardiolipin synthase CrCLS1 in Chlamydomonas reinhardtii. *Frontiers in Microbiolog* 6: 1542. (SCI) (IF: 3.989; SCI ranking: 22.7%)

Li-Beisson Y*, Nakamura Y and Harwood J (2016) Lipids: From Chemical Structures, Biosynthesis, and Analyses to Industrial Applications. editor(s): Y Nakamura and Y Li-Beisson. *Lipids in Plant and Algae Development*: pp. 1-18, Switzerland: Springer.

Nakamura Y, Li-Beisson Y Eds (2016) *Lipids in Plant and Algae Development*, 533 pages, Switzerland: Springer International Publishing.

鄒稚華（TSOU, CHIH-HUA）

Tsou CH, Lu L, and Vijayan K (2016) The intra-familial relationships of Pentaphylacaceae s.l. as revealed by DNA sequence analysis. *Biochemical Genetics* 54(3): 270–282. (SCI) (IF: 0.865; SCI ranking: 92.4%, 90.4%)

涂世隆（TU, SHIH-LONG）

Huang CF, Chang YM, Lin JJ, Yu CP, Lin HH, Liu WY, Yeh S, Tu SL, Wu SH, Ku MS*, and Li WH* (2016) Insights into the regulation of C4 leaf development from comparative transcriptomic analysis. *Current Opinion in Plant Biology* 30:1-10. (SCI) (IF: 7.848; SCI ranking: 2.5%)

韋保羅（VERSLUES, PAUL EDWIN）

Bhaskara GB, Wen T-N, Nguyen TT, Verslues PE* (2016) Protein Phosphatase 2Cs and Microtubule-Associated Stress Protein 1 control microtubule stability, plant growth, and drought response. *Plant Cell* In Press. (SCI) (IF: 9.338; SCI ranking: 6.2%, 2%, 12%)

Des Marais D*, Juenger TE, Chang, TZ, Verslues PE, Lasky JR (2016) Interactive effects of water limitation and elevated temperature on the physiology, development, and fitness of diverse accessions of Brachypodium distachyon. *New Phytologist* DOI: 10.1111/nph.14316. (SCI) (IF: 7.672; SCI ranking: 2.9%)

Shinde S, Villamor JG, Lin WD, Sharma S, Verslues PE* (2016) Proline coordination with fatty acid synthesis and redox metabolism of chloroplast and mitochondria. *Plant Physiology* 172:1074-1088. (SCI) (IF: 6.841; SCI ranking: 3.9%)

Verslues PE* (2016) Time to grow: Factors that control plant growth during mild to moderate drought stress. *Plant Cell and Environment* DOI: 10.1111/pce.12827. (SCI) (IF: 6.96; SCI ranking: 3.4%)

Verslues PE* (2016) ABA and cytokinins: challenge and opportunity for plant stress research. *Plant Molecular Biology* 91:629-640. (SCI) (IF: 4.257; SCI ranking: 25.2%, 8.3%)

王中茹（WANG, CHUNG-JU）

Lambing C, Wang CJ* (2016) Understanding and manipulating meiotic recombination in plants. *Plant Physiology* In press. (SCI) (IF: 6.841; SCI ranking: 3.9%)

王昭雯（WANG, CHAO-WEN）

Hsu TH, Chen RH, Cheng YH, and Wang CW* (2016) Lipid droplets are central organelles for meiosis II progression during yeast sporulation. *Molecular Biology of the Cell* pii: mbc.E16-06-0375. (SCI) (IF: 4.466; SCI ranking: 32.6%)

Yang PL, Hsu TH, Wang CW*, Chen RH* (2016) Lipid droplets maintain lipid homeostasis during anaphase for efficient cell separation in budding yeast. *Molecular Biology of the Cell* 27(15):2368-2380. (SCI) (IF: 4.466; SCI ranking: 32.6%)

Wang CW* (2016) Lipid droplets, lipophagy, and beyond. *Biochimica et Biophysica Acta-Molecular and Cell Biology of Lipids* 1861(8 Pt B):793-805. (SCI) (IF: 5.162; SCI ranking: 16.2%, 15.1%, 25%)

Iwasa S, Sato N, Wang CW, Cheng YH, Irokawa H, Hwang GW, Naganuma A, Kuge S (2016) The Phospholipid:Diacylglycerol Acyltransferase Lro1 Is Responsible for Hepatitis C Virus Core-Induced Lipid Droplet Formation in a Yeast Model System. *PLOS ONE* 11(7):e0159324. (SCI) (IF: 3.234; SCI ranking: 15.8%)

溫端南（WEN, TUAN-NAN）

Bhaskara GB, Wen TN, Nguyen TT, Verslues PE*. (2016) Protein Phosphatase 2Cs and Microtubule-Associated Stress Protein 1 Control Microtubule Stability, Plant Growth, and Drought Response. *Plant Cell* (in print). (SCI) (IF: 9.338; SCI ranking: 6.2%, 2%, 12%)

Cho HY, Wen TN, Wang YT, Shih MC (2016) Quantitative phosphoproteomics of protein kinase SnRK1 regulated protein phosphorylation in Arabidopsis under submergence. *Journal of Experimental Botany* 67:2745-2760. (SCI) (IF: 5.526; SCI ranking: 5.9%)

Rodríguez-Celma J, Tsai YH, Wen TN, Wu YC, Curie C, Schmidt W* (2016) Systems-wide analysis of manganese deficiency-induced changes in gene activity of Arabidopsis roots. *Scientific Reports* 6:35846. (SCI) (IF: 5.578; SCI ranking: 8.8%)

Velez-Bermudez IC, Wen TN, Lan P, Schmidt W* (2016) Isobaric Tag for Relative and Absolute Quantitation (iTRAQ)-Based Protein Profiling in Plants. *Methods in Molecular Biology* 1450:213-221.

施臥虎（WOLFGANG, SCHMIDT）

Rodríguez-Celma J, Tsai YH, Wen TN, Wu YC, Curie C, Schmidt W* (2016) Systems-wide analysis of manganese deficiency-induced changes in gene activity of Arabidopsis roots. *Scientific Reports* 6: 35846. (SCI) (IF: 5.578; SCI ranking: 8.8%)

Salazar-Henao JE, Vélez-Bermúdez IC and Schmidt W* (2016) The regulation and plasticity of root hair patterning and morphogenesis. *Development* 43: 1848-1858. (SCI) (IF: 6.426; SCI ranking: 2.4%)

Salazar-Henao JE, Schmidt W* (2016) An inventory of nutrient-responsive genes in Arabidopsis root hairs. *Frontiers in Plant Science* 7:237. (SCI) (IF: 3.948; SCI ranking: 9.3%)

Vélez-Bermúdez IC, Wen TN, Lan P, and Schmidt W* (2016) Isobaric tag for relative and absolute quantitation (iTRAQ)-based protein profiling in plants. *Methods in Molecular Biology* 1450:213-221.

Salazar Henao JE, Lin WD, Schmidt W* (2016) Discriminative gene co-expression network analysis uncovers novel modules involved in the formation of phosphate deficiency-induced root hairs in Arabidopsis. *Scientific Reports* 6: 26820. (SCI) (IF: 5.578; SCI ranking: 8.8%)

吳素幸（WU, SHU-HSING）

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