

期刊論文 (Journal Articles)

2026

1. **Ly, T. T., Wang, I. F., Chen, Y.-L., Fu, S. F., Nguyen, T. P., & Huang, H. J.** (2026).
Prunella vulgaris-derived biostimulant enhances copper tolerance in rice by mitigating oxidative damage and regulating ion homeostasis.
Environmental Technology & Innovation, 43, 104999.
 2. **Chen, J. Y., Nguyen, T. P., Lin, C. C., Chang, C. H., Ting, J. H. M., Hou, P. F., & Huang, H. J.** (2026).
Volatile Compounds from Endophytic PGPM Improve Copper Tolerance by Regulating Redox Balance in Cauliflower.
Journal of Plant Growth Regulation. (Accepted/In press)
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2025

3. **Huang, H. J., Chiu, C. C., Lin, M. C., Lin, C. H., & Ye, J. C.** (2025).
Allelopathic effects of common exotic plants on soil-conserving native grasses in Taiwan.
Allelopathy Journal, 65(1), 21–34.
4. **Truong, T. T. T., Huang, C. C., Chiu, C. C., Su, P. Y., Chang, C. H., Kuo, S. C., Chen, Y. L., Mimura, T., Lee, R. H., Gojobori, T., & Huang, H. J.** (2025).
Microbial Volatile 3-Methyl-1-Butanol Enhances Stomatal Closure and Salt Stress Tolerance via Ethylene and Jasmonate Pathways in Arabidopsis.
Physiologia Plantarum, 177(4), e70383.
5. **Huang, C. C., Chang, C. H., Thi Truong, T. T., Wang, W. G., Lin, C. H., Chiang, C. Y., Obayashi, I., & Huang, H. J.** (2025).
Possible role of autophagy in microbial volatile pollutant-induced starch degradation and expression of hypoxia responsive genes.
Environmental Pollution, 367, 125663.

6. **Nguyen, D. K., Nguyen, T. P., Lin, C. C., Ly, T. T., Li, Y. R., Chang, C. H., Nguyen, V. A., Trinh, N. N., & Huang, H. J. (2025).**

Transcriptome analysis reveals the role of microbial volatile 3-methyl-1-butanol-induced salt stress tolerance in rice (Oryza sativa L.) seedlings through antioxidant defense system.

Plant Physiology and Biochemistry, 223, 109830.

2024

7. **Nguyen, D. K., Nguyen, T. P., Li, Y. R., Ohme-Takagi, M., Liu, Z. H., Ly, T. T., Nguyen, V. A., Trinh, N. N., & Huang, H. J. (2024).**

Comparative study of two indoor microbial volatile pollutants, 2-Methyl-1-butanol and 3-Methyl-1-butanol, on growth and antioxidant system of rice (Oryza sativa) seedlings.

Ecotoxicology and Environmental Safety, 272, 116055.

8. **Chang, C. H., Huang, C. C., Su, P. Y., Li, Y. R., Chen, Y. S., Wang, C. Y., Zhang, Y. Y., Ting, H. M., & Huang, H. J. (2024).**

Comparison of early transcriptomic changes to diverse microbial volatiles in Arabidopsis thaliana.

Physiologia Plantarum, 176(6), e70002.

9. **Truong, T. T. T., Chiu, C. C., Su, P. Y., Chen, J. Y., Nguyen, T. P., Ohme-Takagi, M., Lee, R. H., Cheng, W. H., & Huang, H. J. (2024).**

Signaling pathways involved in microbial indoor air pollutant 3-methyl-1-butanol in the induction of stomatal closure in Arabidopsis.

Environmental Science and Pollution Research, 31(5), 7556–7568.

10. **Chiang, C. Y., Chang, C. H., Tseng, T. Y., Nguyen, V. A. T., Su, P. Y., Truong, T. T. T., Chen, J. Y., Huang, C. C., & Huang, H. J. (2024).**

Volatile Compounds Emitted by Plant Growth-Promoting Fungus Tolypocladium inflatum GT22 Alleviate Copper and Pathogen Stress.

Plant and Cell Physiology, 65(2), 199–215.

2023

11. Nguyen, T. P., Meng, D. R., Chang, C. H., Su, P. Y., Ou, C. A., Hou, P. F., Sung, H. M., Chou, C. H., Ohme-Takagi, M., & Huang, H. J. (2023). *Antifungal mechanism of volatile compounds emitted by Actinomycetota Paenarthrobacter ureafaciens from a disease-suppressive soil on Saccharomyces cerevisiae.* **mSphere**, 8(5).
 12. Chang, C. H., Wang, W. G., Su, P. Y., Chen, Y. S., Nguyen, T. P., Xu, J., Ohme-Takagi, M., Mimura, T., Hou, P. F., & Huang, H. J. (2023). *The involvement of AtMKK1 and AtMKK3 in plant-deleterious microbial volatile compounds-induced defense responses.* **Plant Molecular Biology**, 111(1–2), 21–36.
 13. Truong, T. T. T., Chiu, C. C., Chen, J. Y., Su, P. Y., Nguyen, T. P., Trinh, N. N., Mimura, T., Lee, R. H., Chang, C. H., & Huang, H. J. (2023). *Uncovering molecular mechanisms involved in microbial volatile compounds-induced stomatal closure in Arabidopsis thaliana.* **Plant Molecular Biology**, 113(4–5), 143–155.
 14. Huang, C. C., Lee, Y. T., Ly, T. T., Wang, C. Y., Chang, Y. T., Hou, P. F., Liu, Z. H., & Huang, H. J. (2023). *Volatile cinnamaldehyde induces systemic salt tolerance in the roots of rice (Oryza sativa).* **Physiologia Plantarum**, 175(3), e13938.
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2021

15. Chiang, C. Y., Huang, H. W., Chen, S. Y., Chen, Y. A., Chang, Y. M., & Huang, H. J. (2021). *An authentic inquiry-based laboratory module for introducing concepts about volatile-mediated communication resulted in stronger students' self-efficacy.* **Biochemistry and Molecular Biology Education**, 49(2), 251–261.

16. Huang, C. H., Liu, Y. C., Shen, J. Y., Lu, F. I., Shaw, S. Y., Huang, H. J., & Chang, C. C. (2021).

Repairing TALEN-mediated double-strand break by microhomology-mediated recombination in tobacco plastids generates abundant subgenomic DNA.

Plant Science, 313, 111028.

2020

17. Vu, T. D., Iwasaki, Y., Shigenobu, S., Maruko, A., Oshima, K., Iio, E., Huang, C. L., Abe, T., Tamaki, S., Lin, Y. W., Chen, C. K., Lu, M. Y., Hojo, M., Wang, H. V., Tzeng, S. F., Huang, H. J., Kanai, A., Gojobori, T., Chiang, T. Y., Sun, H. S., et al. (2020).

Behavioral and brain-transcriptomic synchronization between the two opponents of a fighting pair of the fish Betta splendens.

PLoS Genetics, 16(6), e1008831.

18. Hou, P. F., Chang, Y. T., Lai, J. M., Chou, K. L., Tai, S. F., Tseng, K. C., Chow, C. N., Jeng, S. L., Huang, H. J., & Chang, W. C. (2020).

Long-term effects of fertilizers with regional climate variability on yield trends of sweet corn.

Sustainability, 12(9), 3528.

2019

19. Lin, C. W., Fu, S. F., Liu, Y. J., Chen, C. C., Chang, C. H., & Yang, Y. W. (2019).

Analysis of ambient temperature-responsive transcriptome in shoot apical meristem of heat-tolerant and heat-sensitive broccoli inbred lines during floral head formation.

BMC Plant Biology, 19, 3.

20. Wu, P. H., Ho, Y. L., Ho, T. S., Chang, C. H., Ye, J. C., Wang, C. H., Sung, H. M., Huang, H. J., & Liu, C. C. (2019).

Microbial volatile compounds-induced cytotoxicity in the yeast

Saccharomyces cerevisiae: The role of MAPK signaling and proteasome regulatory pathway.

Chemosphere, 233, 786–795.

2018

21. Hou, P. F., Chien, C. H., Chiang-Hsieh, Y. F., Tseng, K. C., Chow, C. N., Huang, H. J., & Chang, W. C. (2018).

Paddy-upland rotation for sustainable agriculture with regards to diverse soil microbial community.

Scientific Reports, 8, 7966.

22. Chen, C. F., Lu, C. C., Chiang, J. H., Chiu, H. Y., Yang, J. S., Lee, C. Y., Way, T. D., & Huang, H. J. (2018).

Synergistic inhibitory effects of cetuximab and curcumin on human cisplatin-resistant oral cancer CAR cells through intrinsic apoptotic process.

Oncology Letters, 16(5), 6323–6330.

23. Chen, C. F., Yang, J. S., Chen, W. K., Lu, C. C., Chiang, J. H., Chiu, H. Y., Tsai, S. C., Juan, Y. N., Huang, H. J., & Way, T. D. (2018).

Ursolic acid elicits intrinsic apoptotic machinery by downregulating the phosphorylation of AKT/BAD signaling in human cisplatin-resistant oral cancer CAR cells.

Oncology Reports, 40(3), 1752–1760.

2017

24. Lin, C. W., Huang, L. Y., Huang, C. L., Wang, Y. C., Lai, P. H., Wang, H. V., Chang, W. C., Chiang, T. Y., & Huang, H. J. (2017).

Common stress transcriptome analysis reveals functional and genomic architecture differences between early and delayed response genes.

Plant and Cell Physiology, 58(3), 546–559.

25. Huang, L. Y., Lin, C. W., Lee, R. H., Chiang, C. Y., Wang, Y. C., Chang, C.

H., & Huang, H. J. (2017).

Integrating early transcriptomic responses to rhizotoxins in rice (Oryza sativa L.) reveals key regulators and a potential early biomarker of cadmium toxicity.

Frontiers in Plant Science, 8, 1432.

2016

26. **Lin, B. Y., Chang, C. D., Huang, L. L. H., Liu, Y. C., Su, Y. Y., Chen, T. C., Lee, R. H., Huang, H. J., Wu, W. L., & Chang, C. C. (2016).**

The mitochondrial DNA markers for distinguishing Phalaenopsis species and revealing maternal phylogeny.

Biologia Plantarum, 60(1), 68–78.

2015

27. **Chen, S. Y., Chi, W. C., Trinh, N. N., Cheng, K. T., Chen, Y. A., Lin, T. C., Lin, Y. C., Huang, L. Y., Huang, H. J., & Chiang, T. Y. (2015).**

Alleviation of allelochemical juglone-induced phytotoxicity in tobacco plants by proline.

Journal of Plant Interactions, 10(1), 167–172.

28. **Chen, C. C., Fu, S. F., Norikazu, M., Yang, Y. W., Liu, Y. J., Ikeo, K., Gojobori, T., & Huang, H. J. (2015).**

Comparative miRNAs analysis of two contrasting broccoli inbred lines with divergent head-forming capacity under temperature stress.

BMC Genomics, 16, 1026.

29. **Huang, C. L., Pu, P. H., Huang, H. J., Sung, H. M., Liaw, H. J., Chen, Y. M., Chen, C. M., Huang, M. B., Osada, N., Gojobori, T., Pai, T. W., Chen, Y. T., Hwang, C. C., & Chiang, T. Y. (2015).**

Ecological genomics in Xanthomonas: The nature of genetic adaptation with homologous recombination and host shifts.

BMC Genomics, 16, 188.

30. Lin, C. Y., Huang, L. Y., Chi, W. C., Huang, T. L., Kakimoto, T., Tsai, C. R., & Huang, H. J. (2015).
Pathways involved in vanadate-induced root hair formation in Arabidopsis.
Physiologia Plantarum, 153(1), 137–148.
-

2014

31. Huang, C. L., Ho, C. W., Chiang, Y. C., Shigemoto, Y., Hsu, T. W., Hwang, C. C., Ge, X. J., Chen, C., Wu, T. H., Chou, C. H., Huang, H. J., Gojobori, T., Osada, N., & Chiang, T. Y. (2014).
Adaptive divergence with gene flow in incipient speciation of Miscanthus floridulus/sinensis complex (Poaceae).
Plant Journal, 80(5), 834–847.
32. Trinh, N. N., Huang, T. L., Chi, W. C., Fu, S. F., Chen, C. C., & Huang, H. J. (2014).
Chromium stress response effect on signal transduction and expression of signaling genes in rice.
Physiologia Plantarum, 150(2), 205–224.
33. Huang, C. L., Jian, F. Y., Huang, H. J., Chang, W. C., Wu, W. L., Hwang, C. C., Lee, R. H., & Chiang, T. Y. (2014).
Deciphering mycorrhizal fungi in cultivated Phalaenopsis microbiome with next-generation sequencing of multiple barcodes.
Fungal Diversity, 66(1), 77–88.
34. Huang, T. L., Huang, L. Y., Fu, S. F., Trinh, N. N., & Huang, H. J. (2014).
Genomic profiling of rice roots with short- and long-term chromium stress.
Plant Molecular Biology, 86(1–2), 157–170.
35. Chen, Y. A., Chi, W. C., Trinh, N. N., Huang, L. Y., Chen, Y. C., Cheng, K. T., Huang, T. L., Lin, C. Y., & Huang, H. J. (2014).
Transcriptome profiling and physiological studies reveal a major role for

aromatic amino acids in mercury stress tolerance in rice seedlings.

PLoS ONE, 9(5), e95163.

36. Fu, S. F., Chen, P. Y., Nguyen, Q. T. T., Huang, L. Y., Zeng, G. R., Huang, T. L., Lin, C. Y., & Huang, H. J. (2014).

Transcriptome profiling of genes and pathways associated with arsenic toxicity and tolerance in Arabidopsis.

BMC Plant Biology, 14, 94.

2013

37. Chi, W. C., Chen, Y. A., Hsiung, Y. C., Fu, S. F., Chou, C. H., Trinh, N. N., Chen, Y. C., & Huang, H. J. (2013).

Autotoxicity mechanism of Oryza sativa: Transcriptome response in rice roots exposed to ferulic acid.

BMC Genomics, 14, 351.

38. Lin, C. Y., Trinh, N. N., Fu, S. F., Hsiung, Y. C., Chia, L. C., Lin, C. W., & Huang, H. J. (2013).

Comparison of early transcriptome responses to copper and cadmium in rice roots.

Plant Molecular Biology, 81(4–5), 507–522.

39. Lin, C. Y., Trinh, N. N., Lin, C. W., & Huang, H. J. (2013).

Transcriptome analysis of phytohormone, transporters and signaling pathways in response to vanadium stress in rice roots.

Plant Physiology and Biochemistry, 66, 98–104.

40. Hsiung, Y. C., Chen, Y. A., Chen, S. Y., Chi, W. C., Lee, R. H., Chiang, T. Y., & Huang, H. J. (2013).

Volatilized myrcene inhibits growth and activates defense responses in rice roots.

Acta Physiologiae Plantarum, 35(8), 2475–2482.

2012

41. Fu, S. F., Tsai, T. M., Chen, Y. R., Liu, C. P., Hsiao, L. J., Syue, L. H., Yeh, H. H., & Huang, H. J. (2012).
Characterization of the early response of the orchid, Phalaenopsis amabilis, to Erwinia chrysanthemi infection using expression profiling.
Physiologia Plantarum, 145(3), 406–425.
42. Huang, L. C., Hsiao, L. J., Pu, S. Y., Kuo, C. I., Huang, B. L., Tseng, T. C., Huang, H. J., & Chen, Y. T. (2012).
DNA methylation and genome rearrangement characteristics of phase change in cultured shoots of Sequoia sempervirens.
Physiologia Plantarum, 145(2), 360–368.
43. Chen, Y. A., Chi, W. C., Huang, T. L., Lin, C. Y., Nguyen, T. T. Q., Hsiung, Y. C., Chia, L. C., & Huang, H. J. (2012).
Mercury-induced biochemical and proteomic changes in rice roots.
Plant Physiology and Biochemistry, 55, 23–32.
44. Chen, C. C., Fu, S. F., Lee, Y. I., Lin, C. Y., Lin, W. C., & Huang, H. J. (2012).
Transcriptome analysis of age-related gain of callus-forming capacity in Arabidopsis hypocotyls.
Plant and Cell Physiology, 53(8), 1457–1469.
45. Huang, T. L., Nguyen, Q. T. T., Fu, S. F., Lin, C. Y., Chen, Y. C., & Huang, H. J. (2012).
Transcriptomic changes and signalling pathways induced by arsenic stress in rice roots.
Plant Molecular Biology, 80(6), 587–608.
-

2011

46. Lu, S. W., Wang, K. C., Liu, H. J., Chang, C. D., Huang, H. J., & Chang, C. C. (2011).
Expression of avian reovirus minor capsid protein in plants.

Journal of Virological Methods, 173(2), 287–293.

47. Chi, W. C., Fu, S. F., Huang, T. L., Chen, Y. A., Chen, C. C., & Huang, H. J. (2011).

Identification of transcriptome profiles and signaling pathways for the allelochemical juglone in rice roots.

Plant Molecular Biology, 77(6), 591–607.

48. Fu, S. F. & Huang, H. J. (2011).

Molecular characterization of the early response of orchid Phalaenopsis amabilis to Erwinia chrysanthemi infection.

Orchid Biotechnology II, World Scientific Publishing Co., 283–308.

(Book Chapter)

49. Fu, S. F., Lin, C. W., Kao, T. W., Huang, D. D., & Huang, H. J. (2011).

PaPTP1, a Gene Encoding Protein Tyrosine Phosphatase from Orchid, Phalaenopsis amabilis, is Regulated During Floral Development and Induced by Wounding.

Plant Molecular Biology Reporter, 29(1), 106–116.

2010

50. Tham, S. J., Chang, C. D., Huang, H. J., Lee, Y. F., Huang, T. S., & Chang, C. C. (2010).

Biochemical characterization of an acid phosphatase from Thermus thermophilus.

Bioscience, Biotechnology and Biochemistry, 74(4), 727–735.

51. **Early genomic responses to arsenate in rice**

Huang, T. L., Chi, W. C., Huang, H. J. & Chen, Y. A. (2010).

Arsenic in Geosphere and Human Diseases, As 2010 – 3rd International Congress: Arsenic in the Environment. Taylor & Francis – Balkema, pp. 581–582.

2009

52. Alkaline α -galactosidase degrades thylakoid membranes in the chloroplast during leaf senescence in rice

Lee, R. H., Hsu, J. H., Huang, H. J., Lo, S. F. & Grace Chen, S. C. (2009).
New Phytologist, 184(3), 596–606.

53. Early signalling pathways in rice roots under vanadate stress

Lin, C. W., Lin, C. Y., Chang, C. C., Lee, R. H., Tsai, T. M., Chen, P. Y., Chi, W. C. & Huang, H. J. (2009).
Plant Physiology and Biochemistry, 47(5), 369–376.

2008

54. Increased expression of the rice C-type cyclin-dependent protein kinase gene, *Oryza;CDKC;1*, in response to salt stress

Huang, Y. W., Tsay, W. S., Chen, C. C., Lin, C. W. & Huang, H. J. (2008).
Plant Physiology and Biochemistry, 46(1), 71–81.

55. Possible involvement of MAP kinase pathways in acquired metal-tolerance induced by heat in plants

Chen, P. Y., Lee, K. T., Chi, W. C., Hirt, H., Chang, C. C. & Huang, H. J. (2008).
Planta, 228(3), 499–509.

56. ROS and CDPK-like kinase-mediated activation of MAP kinase in rice roots exposed to lead

Huang, T. L. & Huang, H. J. (2008).
Chemosphere, 71(7), 1377–1385.

2007

57. Distinct signalling pathways for induction of MAP kinase activities by

cadmium and copper in rice roots

Yeh, C. M., Chien, P. S. & Huang, H. J. (2007).

Journal of Experimental Botany, 58(3), 659–671.

58. Early events in the signalling pathway for the activation of MAPKs in rice roots exposed to nickel

Chen, P. Y., Huang, T. L. & Huang, H. J. (2007).

Functional Plant Biology, 34(11), 995–1001.

59. PaCDPK1, a gene encoding calcium-dependent protein kinase from orchid, *Phalaenopsis amabilis*, is induced by cold, wounding, and pathogen challenge

Tsai, T. M., Chen, Y. R., Kao, T. W., Tsay, W. S., Wu, C. P., Huang, D. D.,

Chen, W. H., Chang, C. C. & Huang, H. J. (2007).

Plant Cell Reports, 26(10), 1899–1908.

60. Protein tyrosine dephosphorylation during copper-induced cell death in rice roots

Hung, W. C., Huang, D. D., Chien, P. S., Yeh, C. M., Chen, P. Y., Chi, W. C. & Huang, H. J. (2007).

Chemosphere, 69(1), 55–62.

2006

61. Effects of iron excess on cell viability and mitogen-activated protein kinase activation in rice roots

Tsai, T. M. & Huang, H. J. (2006).

Physiologia Plantarum, 127(4), 583–592.

62. Induction of COX-2 protein expression by vanadate in A549 human lung carcinoma cell line through EGF receptor and p38 MAPK-mediated pathway

Chien, P. S., Mak, O. T. & Huang, H. J. (2006).
Biochemical and Biophysical Research Communications, 339(2), 562–568.

2005

63. Genistein-induced neuronal differentiation is associated with activation of extracellular signal-regulated kinases and upregulation of p21 and N-cadherin

Hung, S. P., Hsu, J. R., Lo, C. P., Huang, H. J., Wang, J. P. & Chen, S. T. (2005).

Journal of Cellular Biochemistry, 96(5), 1061–1070.

64. Reactive oxygen species, calcium and serine/threonine phosphatase are required for copper-induced MAP kinase gene, OsMAPK2, expression in rice

Hung, W. C., Huang, D. D., Yeh, C. M. & Huang, H. J. (2005).

Plant Growth Regulation, 45(3), 233–241.

65. Zinc-induced cell death in rice (*Oryza sativa* L.) roots

Chang, H. B., Lin, C. W. & Huang, H. J. (2005).

Plant Growth Regulation, 46(3), 261–266.

Type: Peer-reviewed journal article.

66. Zinc induces mitogen-activated protein kinase activation mediated by reactive oxygen species in rice roots

Lin, C. W., Chang, H. B. & Huang, H. J. (2005).

Plant Physiology and Biochemistry, 43(10–11), 963–968.

2004

67. A homologue of Cdk8 is required for spore cell differentiation in

Dictyostelium

Lin, H. H. S., Khosla, M., Huang, H. J., Hsu, D. W., Michaelis, C., Weeks, G. & Pears, C. (2004).

Developmental Biology, 271(1), 49–58.

68. Cadmium activates a mitogen-activated protein kinase gene and MBP kinases in rice

Yeh, C. M., Hsiao, L. J. & Huang, H. J. (2004).

Plant and Cell Physiology, 45(9), 1306–1312.

69. Changes in protein tyrosine phosphorylation during mannose and senescence induced cell death in rice

Shih, Y. W., Chou, W. C., Lin, Y. M., Huang, D. D., Liu, Z. H. & Huang, H. J. (2004).

Plant Growth Regulation, 42(3), 271–282.

70. Expression of genes encoding the rice translation initiation factor, eIF5A, is involved in developmental and environmental responses

Chou, W. C., Huang, Y. W., Tsay, W. S., Chiang, T. Y., Huang, D. D. & Huang, H. J. (2004).

Physiologia Plantarum, 121(1), 50–57.

2003

71. Association of mitochondrial plasmids with rejuvenation of the coastal redwood, *Sequoia sempervirens* (D. Don) Endl.

Huang, L. C., Chow, T. Y., Tseng, T. C., Kuo, C. I., Liu, S. M., Ngoh, M. G., Murashige, T. & Huang, H. J. (2003).

Botanical Bulletin of Academia Sinica, 44(1), 25–30.

72. Copper treatment activates mitogen-activated protein kinase signalling in rice

Yeh, C. M., Hung, W. C. & Huang, H. J. (2003).

Physiologia Plantarum, 119(3), 392–399.

**73. Molecular cloning and characterization of a novel starvation inducible
MAP kinase gene in rice**

Fu, S. F., Lin, W. P., Ho, S. L., Chou, W. C., Huang, D. D., Yu, S. M. & Huang,
H. J. (2003).

Plant Physiology and Biochemistry, 41(3), 207–213.

**74. Phase- and age-related differences in protein tyrosine
phosphorylation in *Sequoia sempervirens***

Huang, L. C., Pu, S. Y., Murashige, T., Fu, S. F., Kuo, T. T., Huang, D. D. &
Huang, H. J. (2003).

Biologia Plantarum, 47(4), 601–603.

**75. Protein tyrosine phosphorylation during phytohormone-stimulated
cell proliferation in *Arabidopsis* hypocotyls**

Huang, H. J., Lin, Y. M., Huang, D. D., Takahashi, T. & Sugiyama, M. (2003).

Plant and Cell Physiology, 44(7), 770–775.

2002

**76. Expression of *Oryza sativa* MAP kinase gene is developmentally
regulated and stress-responsive**

Huang, H. J., Fu, S. F., Tai, Y. H., Chou, W. C. & Huang, D. D. (2002).

Physiologia Plantarum, 114(4), 572–580.

**77. Transcriptional regulation of a rice mitogen-activated protein kinase
gene, *OsMAPK4*, in response to environmental stresses**

Fu, S. F., Chou, W. C., Huang, D. D. & Huang, H. J. (2002).

Plant and Cell Physiology, 43(8), 958–963.

2001

78. UV-induced increase in RNA polymerase activity in *Xanthomonas oryzae* pathovar *oryzae*

Lin, S. H., Huang, H. J., Yang, B. C. & Kuo, T. T. (2001).
Current Microbiology, 43(2), 120–123.

1999

79. Cell cycle-dependent regulation of early developmental genes

Huang, H. J. & Pears, C. (1999).
Biochimica et Biophysica Acta – Molecular Cell Research, 1452(3), 296–302.

1998

80. Generation of genomic mini-libraries by Taq DNA polymerase modification of genomic fragments

Huang, H. J. & Pears, C. (1998).
BioTechniques, 24(4), 566–568.

1997

81. Cells at the center of *Dictyostelium* aggregates become spores

Huang, H. J., Takagawa, D., Weeks, G. & Pears, C. (1997).
Developmental Biology, 192(2), 564–571.

1996

82. Rejuvenation of *Sequoia sempervirens* in vitro: Changes in isoesterases and isoperoxidases

Huang, H. J., Chen, Y., Kuo, J. L., Kuo, T. T., Tzeng, C. C., Huang, B. L., Chen, C. M. & Huang, L. C. (1996).
Plant and Cell Physiology, 37(1), 77–80.

1995

83. Rapid inhibition of protein histidine phosphorylation by UV-irradiation in *Xanthomonas oryzae* pv. *oryzae*

Huang, H. J., Lin, S. H., Yang, B. C., Cheng, C. M., Yang, C. C. & Kuo, T. T. (1995).
FEMS Microbiology Letters, 134(2–3), 189–194.

84. Rejuvenation in vitro: Modulation of Protein Phosphorylation in *Sequoia sempervirens*

Kuo, J. L., Huang, H. J., Cheng, C. M., Chen, L. J., Huang, B. L., Huang, L. C. & Kuo, T. T. (1995).
Journal of Plant Physiology, 146(3), 333–336.

1992

85. Functional expression of rat M5 muscarinic acetylcholine receptor in yeast

Huang, H. J., Liao, C. F., Yang, B. C. & Kuo, T. T. (1992).
Biochemical and Biophysical Research Communications, 182(3), 1180–1186.