CURRICULUM VITAE

Personal Information			
Name	Guangda Ding	Gender	male
Position Title		Full professor	
Working Department		College of resources and environment, Soil and plant nutrition department	
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Research Interest

- Stress physiology of plant nutrition
- Physiological and genetic mechanisms of nutrient use efficiency in crops
- Genetic improvement of nutrient use efficiency in crops
- Molecular mechanism of plant stress resistance

Professional Memberships

- Member of Plant Nutrition and Fertilizer Society of China
- Member of Japanese Society of Soil Science and Plant Nutrition

Other Roles

- Reviewer serve for several international journals

Education & Working Experience

- December 2021 - now: Full professor of plant nutrition, department of resources and environment, Huazhong agricultural university.
- December 2016 - November 2017: Visiting scholar in Institute of Plant Science and Resources, Okayama University, Japan
- January 2015 - November 2021: Associate professor of plant nutrition, department of resources and environment, Huazhong agricultural university.
- July 2011 - December 2014: Lecture of plant nutrition, department of resources and environment, Huazhong agricultural university.
- September 2006 - June 2011: PhD of agricultural science, majoring in plant nutrition, Huazhong Agricultural University, China.
- September 2001 - July 2006: Bachelor of science, majoring in biotechnology, Central China Normal University, China.

Publications

1. Li S, Yan L, Venuste M, Xu FS, Shi L, White PJ, Wang X, Ding GD*. A critical review of plant adaptation to environmental boron stress: Uptake, utilization, and interplay with other abiotic and biotic factors. Chemosphere. 2023, 338: 139474.
2. Wang YQ, Zhao Z, Wang SL, Shi L, Ding GD*, Xu FS*. Boron mediates nitrogen starvation-induced leaf senescence by regulating ROS production and C/N balance in Brassica napus. Environmental and Experimental Botany. 2022, 200: 104905.
3. Hong J, Xu F, Chen G, Huang X, Wang S, Du L, Ding GD*. Evaluation of the effects of nitrogen, phosphorus, and potassium applications on the growth, yield, and quality of lettuce (Lactuca sativa L.). Agronomy. 2022, 12, 2477.
4. Guo H#, He X#, Zhang H, Tan R, Yang J, Xu F, Wang S, Yang CL*, Ding GD*. Physiological responses of cigar tobacco crop to nitrogen deficiency and genome-wide characterization of the NtNPF family genes. Plants. 2022, 11, 3064.
5. He X#, Zhang H#, Ye X, Hong J*, Ding GD*. Nitrogen assimilation related genes in Brassica napus: Systematic characterization and expression analysis identified hub genes in multiple nutrient stress responses. Plants. 2021, 10 (10): 2160.
6. Zheng X#, Zhang H#, Zhang L, Xu F, Shi L, Wang S, Hong J*, Ding GD*. Identification and comprehensive analysis of the nuclear factor-Y family genes reveal their multiple roles in response to nutrient deficiencies in Brassica napus. International Journal of Molecular Sciences. 2021, 22, 10354.
7. Li S, Yan L, Riaz M, White PJ, Yi C, Wang S, Shi L, Xu F, Wang C, Cai H, Ye X, Ding GD*. Integrated transcriptome and metabolome analysis reveals the physiological and molecular responses of allotetraploid rapeseed to ammonium toxicity. Environmental and Experimental Botany, 2021, 189: 104550.
8. Li S, Zhang H, Wang S, Shi L, Xu F, Wang C, Cai H, Ding GD*. The rapeseed genotypes with contrasting NUE response discrepantly to varied provision of ammonium and nitrate by regulating photosynthesis, root morphology, nutritional status, and oxidative stress response. Plant Physiology and Biochemistry, 2021, 166: 348-360.
9. Ding GD#, Lei GJ#, Yamaji N, Yokosho K, Mitani-Ueno N, Huang S, Ma JF*. Vascular cambium-localized *AtSPDT* mediates xylem-to-phloem transfer of phosphorus for its preferential distribution in *Arabidopsis*. Molecular Plant. 2020, 13: 99-111.
10. Li Q#, Ding GD#, Yang YM, White PJ, Ye XS, Cai HM, Lu JW, Shi L, Xu FS*. Comparative genome and transcriptome analysis unravel key factors of nitrogen use efficiency in *Brassica napus* L. Plant Cell and Environment. 2020, 43: 712-731.
11. Yang N#, Li S#, Wang S, Li Q, Xu F, Shi L, Wang C, Ye X, Cai H and Ding GD*. Dynamic transcriptome analysis indicates extensive and discrepant transcriptomic reprogramming of two rapeseed genotypes with contrasting NUE in response to nitrogen deficiency. Plant and Soil, 2020, 456: 369-390.

12. Wang S, Zhang H, Shi L, Xu F, Ding GD*. Genome-wide dissection of CRF gene family in *Brassica napus* indicates that BnaCRF8s specifically regulate root architecture and phosphate homeostasis against phosphate fluctuation in plants. International Journal of Molecular Sciences. 2020, 21: 3660.
13. Li S, Zhao X, Ye X, Zhang L, Shi L, Xu F, Ding GD*. The effects of condensed molasses soluble on the growth and development of rapeseed through seed germination, hydroponics and field Trials. Agriculture, 2020, 10: 260.
14. Zhang H, Li S, Shi M, Wang S, Shi L, Xu F, Ding GD*. Genome-wide systematic characterization of the NPF family genes and their transcriptional responses to multiple nutrient stresses in allotetraploid rapeseed. International Journal of Molecular Sciences, 2020, 21: 5947.
15. Li Y#, Wang X#, Zhang H, Wang S, Ye X, Shi L, Xu F, Ding GD*. Molecular identification of the phosphate transporter family 1 (PHT1) genes and their expression profiles in response to phosphorus deprivation and other abiotic stresses in *Brassica napus*. PLoS ONE. 2019, 14: e0220374.

Additional Information