

CURRICULUM VITAE

Personal Information			
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Research Interest			
Plant/Animal phenotyping; Computer vision; Artificial intelligence, Multi-target tracking technology; Image processing, Intelligent detection and control			
Professional Memberships			
Young Scientist Editorial Board member of Plant Phenomics			
Other Roles			
Reviewer of Journal of Huazhong Agricultural University, Agriculture, AgriEngineering, and Acta Edulis Fungi.			
Education & Working Experience			
Working Experience			
July 2016 - August 2017 Visiting Scholar, Department of Agricultural and BioEngineering, Purdue University			
July. 2001 - Present Teacher, College of Engineering, Huazhong Agricultural University			
Education Experience			
September. 2007 - December. 2013 PhD, Agricultural Mechanization Engineering, Huazhong Agricultural University			
September 1998 - June 2001 Master of Materials Science, Wuhan University of Technology			
September 1994 - June 1998 Bachelor of Nondestructive Testing and Welding, Wuhan University of Technology			
Publications			
[1] Liang, X., Xu, X., Wang, Z., He, L., Zhang, K., Liang, B., Ye, J., Shi, J., Wu, X., Dai, M. and Yang, W. StomataScorer: a portable and high-throughput leaf stomata trait scorer combined with deep learning and an improved CV model. Plant Biotechnol J.,2022,20(3):577-591			
[2] Liang, X., Ye, J., Li, X., Tang, Z., Zhang, X., Li, W., Yan, J., Yang, W.. A high-throughput and low-cost maize ear traits scorer [J]. Mol Breeding, 2021, 41:17			
[3] Liang, X., Wang, K., Huang, C., Zhang, X., Y, J., Yang, W.. A high-throughput maize kernel traits scorer based on line-scan imaging[J]. Measurement, 2016, 90: 453-460			
[4] Liang, X., Li, X.*, Lei, T., Wang, W., Gao, Y.. Study of sample temperature compensation in the measurement of soil moisture content [J]. Measurement, 2011, 44(10): 2200-2204			
[5] Liang, X., Zhen, X., He, L., et al. Multi-object Mice Tracking Based on YOLO v8n-seg and			

Improved Strongsort [J]. Transactions of the Chinese Society for Agricultural Machinery, 2024, 55 (2): 295-305(in Chinese)

[6] Liang, X., Zhou F., Chen, H., Liang, B., Xu, X., Yang, W.. Three-dimensional maize plants reconstruction and traits extraction based on structure from motion [J]. Transactions of the Chinese Society for Agricultural Machinery, 2020, 51(6): 209-219(in Chinese)