

信息学院教师简介

一、个人简介

郝霞，女，山东泰安人，博士，副教授，硕士生导师，农业工程学会高级会员。博士毕业于中国农业大学计算机科学与技术专业。主要从事计算机视觉、动植物表型相关领域研究。主持横向课题两项，参与了高端外国专家项目、山东省自然科学



基金等多项纵向课题。目前已在国内外高水平期刊上发表论文 10 余篇，其中以第一作者发表 SCI 文章 6 篇（包含中科院 1 区 Top 文章 4 篇）。授权发明专利 1 项。

二、主持课题

- 1.中国农业大学研究生自主创新基金项目《受控环境下紫叶生菜光照胁迫程度分级研究》
- 2.科研院所委托科技协作项目《兰属主要观赏性状的数字化研究与应用》

三、代表性成果

1.发表论文

- [1] Hao, X., Cao, Y., Zhang, Z., Tomasetto, F., Yan, W., Xu, C., Li, Y. (2023). Countshoots: Automatic detection and counting of slash pine new shoots using uav imagery. Plant Phenomics, 5, 0065. 【SCI，中科院 1 区 Top】
- [2] Hao, X., Wang, L., Zhu, H., Guo, X. (2023). Joint agricultural intent detection and slot filling based on enhanced heterogeneous attention mechanism. Computers

- and Electronics in Agriculture, 207, 107756. 【SCI , 中科院 1 区 Top】
- [3] **Hao, X.**, Jia, J., Khattak, A. M., Zhang, L., Guo, X., Gao, W., & Wang, M. (2020). Growing period classification of *Gynura bicolor* DC using GL-CNN. *Computers and Electronics in Agriculture*, 174, 105497. 【SCI , 中科院 1 区 Top】
- [4] **Hao, X.**, Jia, J., Gao, Guo, X., Zhang, W., Zheng, L., Wang, M. (2020) MFC-CNN : An Automatic Grading Scheme for Light Stress Levels of Lettuce (*Lactuca sativa* L.) Leaves. *Computers and Electronics in Agriculture*. 179 , 105847 【SCI , 中科院 1 区 Top】
- [5] **Hao, X.**, Jia, J., Mi, J., Yang, S., Khattak, A. M., Zheng, L., Gao, W., & Wang, M. (2020). An optimization model of light intensity and nitrogen concentration coupled with yield and quality. *Plant Growth Regulation*, 92(2), 319-331. 【SCI】
- [6] **Hao, X.**, Zhang, M., Zhou, T., Guo, X., Tomasetto, F., Tong, Y., & Wang, M. (2021). An Automatic Light Stress Grading Architecture Based on Feature Optimization and Convolutional Neural Network. *Agriculture*, 11(11), 1126. 【SCI】
- [7] **Hao, X.**, Jia, J., Chu, X., Tao, S., Gao, W., & Wang, M. (2019). Greenhouse crop model: methods, trends and future perspectives. *International Agricultural Engineering Journal*, 28(4), 386-398. 【EI】
- [8] **Hao X.**, Yu F., Zhang C., Zhang C., & Gong W. (2016, July). An interpolation method for soil moisture considering the spatio-temporal characteristic. In *2016 Fifth International Conference on Agro-Geoinformatics (Agro-Geoinformatics)* (pp. 1-6). IEEE. 【EI】
- [9] 王鲁, 刘晴, 曹月, **郝霞***. 基于改进 Cascade Mask R-CNN 与协同注意力机制的群猪姿态识别[J]. *Transactions of the Chinese Society of Agricultural Engineering*, 2023, 39(4). 【EI】
- [10] 郭旭超, **郝霞**, 姚晓闯,等. 农业病虫害知识问答意图识别与槽位填充联合模型. *农业机械学报*, 2022. 【EI】

- [11] Guo, X., **Hao, X.**, Liu, Y., Zhang, L., & Wang, L. (2017). A community detection algorithm based on structural similarity. *MS&E*, 231(1), 012069. **【EI】**
- [12] 郭旭超, 王鲁, **郝霞**, 孙晓勇, & 孙博. (2019). 基于改进遗传算法的社区挖掘研究. *计算机工程* (1), 27.
- [13] Zhang, L., Jia, J., Gui, G., **Hao, X.**, Gao, W., & Wang, M. (2018). Deep learning based improved classification system for designing tomato harvesting robot. *IEEE Access*, 6, 67940-67950.(**SCI**)
- [14] Guo, X., Zhou, H., Su, J., **Hao, X.**, Diao, L., Li, L. (2020). Chinese Agricultural Diseases and Pests Named Entity Recognition with Multi-Scale Local Context Features and Self-Attention Mechanism. *Computers and Electronics in Agriculture*. 179, 105830. (**SCI** , ESI top20%)
- [15] Mi, J., Gao, W., Yang, S., **Hao, X.**, Li, M., Wang, M., & Zheng, L. (2019). A Method of Plant Root Image Restoration Based on GAN. *IFAC-PapersOnLine*, 52(30), 219-224. (**EI**)
- [16] Yang, S., Zheng, L., Gao, W., Wang, B., **Hao, X.**, Mi, J., & Wang, M. (2020). An Efficient Processing Approach for Colored Point Cloud-Based High-Throughput Seedling Phenotyping. *Remote Sensing*, 12(10), 1540.(**SCI**, ESI top10%)

2.专利专著

(1) 专利

- ①发明专利《一种果品蔬菜生长的影响因素的调控方法和系统》，已授权。
- ②发明专利《科研热点主题分析方法、装置与电子设备》，已公示。

四、联系方式

E-mail:haoxia@sdau.edu.cn