

# TAO YAN(严涛)

Lecturer at College of Agronomy, Hunan Agricultural University (HUAU), Changsha, China. My Ph.D research work covers a range of issues: Population Genetics Evolution and Ecotype Divergence Analysis of *Brassica napus*, Genome-wide Association Study (GWAS) of Agronomic Traits. Currently, I am interested in Transposable Elements Insertion Polymorphisms (TIPs) in Crop Population and genetic basis such as SV, CNV and TIPs etc. Now my research focus on Crop Stress and Improvement.

I am broadly interested in bioinformatics, data integration and visualization.



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## RESEARCH EXPERIENCE

present  
|  
2021

- **Lecturer**  
College of Agronomy      📍 Hunan Agricultural University



## EDUCATION

2021  
|  
2016

- **PhD., Crop Genetics and Breeding**  
Zhejiang University      📍 Hangzhou, CN

2016  
|  
2012

- **B.S., Crop Genetics and Breeding**  
Zhejiang University      📍 Hangzhou, CN



## SCHOLARSHIPS & AWARDS

2020  
|  
2019

- **Model Student of Academic Records and Merit Student**  
Zhejiang University      📍 Hangzhou, CN

- **National Scholarship for Postgraduates**  
Zhejiang University      📍 Hangzhou, CN

2018  
|  
2017

- **Model Student of Academic Records and Merit Student**  
Zhejiang University      📍 Hangzhou, CN

2015  
|  
2014

- **Second-class Scholarship and Merit Student**  
Zhejiang University      📍 Hangzhou, CN

2014  
|  
2013

- **Third-class Scholarship and Merit Student**  
Zhejiang University      📍 Hangzhou, CN

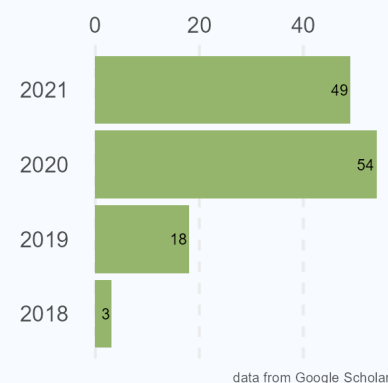
## CONTACT

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Citation = 124

H-index = 4

I10-index = 3



Last updated on 2021-07-14.



## PUBLICATIONS

- 2021 ● **BnaGVD: A genomic variation database of rapeseed (*Brassica napus*)**  
*Plant and Cell Physiology*. 2021, pcaa169.  
• **Yan, T.**, Yao, Y., Wu, D., **Jiang, L.**\*  
• First author  
• Impact Factor = 4.799
- 2020 ● **Genome-wide association study reveals new genes involved in leaf trichome formation in polyploid oilseed rape (*Brassica napus* L.)**  
*Plant, Cell & Environment*. 2020, 43(3):675-691.  
• Xuan, L.<sup>#</sup>, **Yan, T.**<sup>#</sup>, Lu, L., Zhao, X., Wu, D., Hua, S., **Jiang, L.**\*  
• Co-first author  
• Impact Factor = 7.044
- **BnaSNPDB: An interactive web portal for the efficient retrieval and analysis of SNPs among 1,007 rapeseed accessions**  
*Computational and Structural Biotechnology Journal*. 2020, 18:2766-2773.  
• **Yan, T.**, Wang, Q., Maodzeka, A., Wu, D., **Jiang, L.**\*  
• First author  
• Impact Factor = 6.018
- 2019 ● **Whole-genome resequencing of a world-wide collection of rapeseed accessions reveals genetic basis of their ecotype divergence**  
*Molecular Plant*. 2019, 12(1):30-43.  
• Wu, D., Liang, Z., **Yan, T.**, Xu, Y., Xuan, L., Tang, J., Zhou, G., Lohwasser, U., Hua, S., Wang, H., Chen, X., Wang, Q., Zhu, L., Maodzeka, A., Hussain, N., Li, Z., Li, X., Shamsi, I.H., Jilani, G., Wu, L., Zheng, H., Zhang, G., Chalhoub, B., Shen, L., Yu, H., **Jiang, L.**\*  
• Impact Factor = 12.744
- 2018 ● **Effect of high night temperature on storage lipids and transcriptome changes in developing seeds of oilseed rape**  
*Journal of Experimental Botany*. 2018, 69(7):1721-1733.  
• Zhou, L., **Yan, T.**, Chen, X., Li, Z., Wu, D., Hua, S., **Jiang, L.**\*  
• Impact Factor = 7.011

- **TRANSPARENT TESTA 4-mediated flavonoids negatively affect embryonic fatty acid biosynthesis in Arabidopsis**  
*Plant, Cell & Environment*. 2018, 41(12):2773-2790.
  - Xuan, L., Zhang, C., **Yan, T.**, Wu, D., Hussain, N., Li, Z., Chen, M., Pan, J., **Jiang, L.\***
  - Impact Factor = 7.044




## CONFERENCE PROCEEDINGS

2020

- **Construction and utilization of a core germplasm of Brassica napus**  
第一届全国作物学科博士生论坛, Oct 2020  Taiyuan, CN
  - 获取优秀奖

2019

- **GWAS reveals new genes involved in leaf trichome formation in polyploid oilseed rape (Brassica napus L.)**  
第十二届长三角作物学博士生论坛, Oct 2019  Yangzhou, CN
  - 获取优秀奖