

# TAO YAN(严涛)

Lecturer at College of Agronomy, Hunan Agricultural University (HUNAU), 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.



## RESEARCH EXPERIENCE

present  
|  
2021



### Lecturer

College of Agronomy

📍 Hunan Agricultural University



## EDUCATION

2021  
|  
2016



### PhD., Crop Genetics and Breeding

Zhejiang University

📍 Hangzhou, CN

• Thesis: Genomic polymorphism analysis and digital utilization of germplasm resources in rapeseed (*Brassica napus* L.)

2016  
|  
2012



### B.S., Crop Genetics and Breeding

Zhejiang University

📍 Hangzhou, CN



## SCHOLARSHIPS & AWARDS

2021  
|  
2020



### 浙江大学优秀毕业生

Zhejiang University

📍 Hangzhou, CN



### 浙江省优秀毕业生

Zhejiang University

📍 Hangzhou, CN

2020  
|  
2019



### Model Student of Academic Records and Merit Student

Zhejiang University

📍 Hangzhou, CN



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## CONTACT

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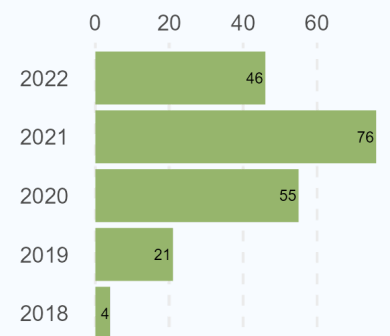
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Citation = 204

H-index = 5

I10-index = 4



data from Google Scholar

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	● <b>National Scholarship for Postgraduates</b> Zhejiang University	📍 Hangzhou, CN
2018   2017	● <b>Model Student of Academic Records and Merit Student</b> Zhejiang University	📍 Hangzhou, CN
2015   2014	● <b>Second-class Scholarship and Merit Student</b> Zhejiang University	📍 Hangzhou, CN
2014   2013	● <b>Third-class Scholarship and Merit Student</b> Zhejiang University	📍 Hangzhou, CN



## PUBLICATIONS

- |      |  |
|------|--|
| 2020 | <p>● <b>BnaSNPDB: An interactive web portal for the efficient retrieval and analysis of SNPs among 1,007 rapeseed accessions</b><br/><i>Computational and Structural Biotechnology Journal</i>. 2020, 18:2766-2773.</p> <ul style="list-style-type: none"> <li>• Yan, T., Wang, Q., Maodzeka, A., Wu, D., Jiang, L.*</li> <li>• First author</li> <li>• Impact Factor = 7.409</li> </ul>                   |
| 2021 | <p>● <b>BnaGVD: A genomic variation database of rapeseed (<i>Brassica napus</i>)</b><br/><i>Plant and Cell Physiology</i>. 2021, 62(2):378–383.</p> <ul style="list-style-type: none"> <li>• Yan, T., Yao, Y., Wu, D., Jiang, L.*</li> <li>• First author</li> <li>• Impact Factor = 5.516</li> </ul>  |
| 2020 | <p>● <b>Genome-wide association study reveals new genes involved in leaf trichome formation in polyploid oilseed rape (<i>Brassica napus</i> L.)</b><br/><i>Plant, Cell &amp; Environment</i>. 2020, 43(3):675-691.</p> <ul style="list-style-type: none"> <li>• Xuan, L.#, Yan, T.#, Lu, L., Zhao, X., Wu, D., Hua, S., Jiang, L.*</li> <li>• Co-first author</li> <li>• Impact Factor = 7.791</li> </ul> |
| 2021 | <p>● <b>Genome-wide association study reveals a patatin-like lipase relating to the reduction of seed oil content in <i>Brassica napus</i></b><br/><i>BMC Plant Biology</i>. 2021, 21(6).</p> <ul style="list-style-type: none"> <li>• Haoyi Wang, Qian Wang, Haksong Pak, Tao Yan, Mingxun Chen, Xiaoyang Chen, Dezhi Wu and Lixi Jiang*</li> <li>• Impact Factor = 4.960</li> </ul>                      |

● **Prediction of heterosis in the recent rapeseed (*Brassica napus*) polyploid by pairing parental nucleotide sequences**

*PLoS Genetics*. 2021, 17(11).

• Qian Wang, *Tao Yan*, Zhengbiao Long, Luna Yue Huang, Yang Zhu, Ying Xu, Xiaoyang Chen, Haksong Pak, Jiqiang Li, Dezhi Wu, Yang Xu, Shuijin Hua, Lixi Jiang\*

• Impact Factor = 5.917

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 = 16.357

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 = 7.860

● **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 = 7.791



## 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