

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

✉ tyan@zju.edu.cn

🐦 [TaoYan](#)

🌐 github.com/YTLogos

🔗 taoyan.netlify.app

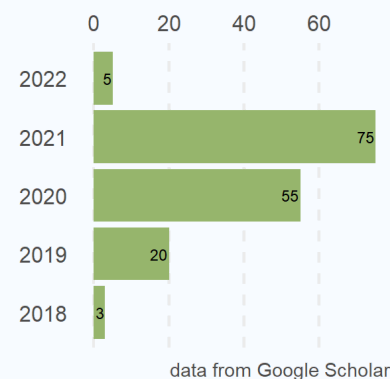
📞 yt056410

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Citation = 158

H-index = 4

I10-index = 3



Last updated on 2022-02-17.

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



PUBLICATIONS

- 2020 ● **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 = 7.409
- 2021 ● **BnaGVD: A genomic variation database of rapeseed (*Brassica napus*)**
Plant and Cell Physiology. 2021, 62(2):378–383.
 • Yan, T., Yao, Y., Wu, D., Jiang, L.*
 • First author
 • Impact Factor = 5.516
- 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.#, Yan, T.#, Lu, L., Zhao, X., Wu, D., Hua, S., Jiang, L.*
 • Co-first author
 • Impact Factor = 7.791
- 2021 ● **Genome-wide association study reveals a patatin-like lipase relating to the reduction of seed oil content in *Brassica napus***
BMC Plant Biology. 2021, 21(6).
 • Haoyi Wang, Qian Wang, Haksong Pak, Tao Yan, Mingxun Chen, Xiaoyang Chen, Dezhi Wu and Lixi Jiang*
 • Impact Factor = 4.960

- **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