

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.



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

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



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CONTACT

✉ tyan@zju.edu.cn

🐦 [TaoYan](#)

🌐 github.com/YTLogos

🔗 taoyan.netlify.app

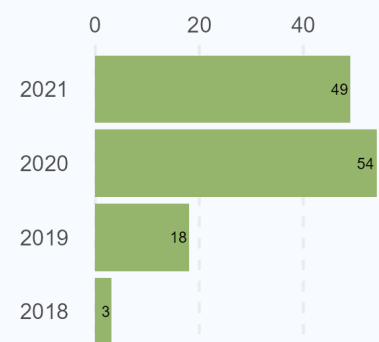
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Citation = 124

H-index = 4

I10-index = 3



data from Google Scholar

Last updated on 2021-07-14.

2015
|
2014

● **Second-class Scholarship and Merit Student**

Zhejiang University

📍 Hangzhou, CN

2014
|
2013

● **Third-class Scholarship and Merit Student**

Zhejiang University

📍 Hangzhou, CN



PUBLICATIONS

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

● **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

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

● **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

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