

TAO YAN(严涛)

I am currently a PhD Student at College of Agriculture and Biotechnology, Zhejiang University (ZJU), Hangzhou, China, working with Prof. Lixi Jiang on Crop Genetics and Breeding. 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 shapes the diversity of different morphotypes of *B. napus*.

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

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

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



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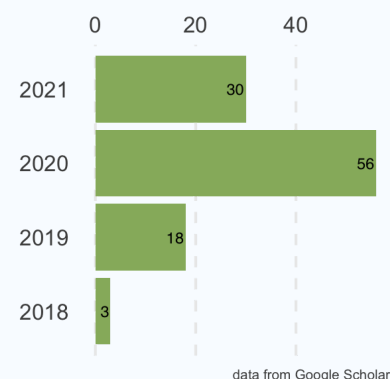
CONTACT

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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 = 7.044

- **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