TAO YAN

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. Research interests. 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

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

CONTACT

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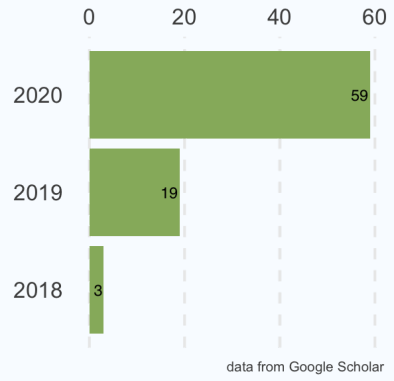

Last updated on 2020-11-29.

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