

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., BCrop Genetics and Breeding
Zhejiang University | 📍 Hangzhou, CN |
| 2016

2012 | ● B.S., Crop Genetics and Breeding
Zhejiang University | 📍 Hangzhou, CN |

SCHOLARSHIPS & AWARDS

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|-------------------|---|----------------|
| 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 tri-chome formation in polyploid oilseed rape (<i>Brassica napus</i> L.)
<i>Plant, Cell & Environment</i> . 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 |
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CONTACT

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Last updated on 2020-11-25.

- **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