

# Zikang Dong

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## Personal

Birthday Aug 25th, 1992  
Citizen China

## Education

2015.06 B.Sc. in Pure Mathematics, Shandong University, China  
2018.06 M.Sc. in Pure Mathematics, Shandong University, China, Supervisor: Xiumin Ren  
2022.06 Ph.D. in Mathematics, Université Paris-Est Créteil, France, Supervisor: Jie Wu

## Work Experience

2022.09- Postdoc, Tongji University, China

## Research Interests

Distribution of values of zeta and  $L$ -functions; Character sums; Moment of zeta and  $L$ -functions

## Publications

1. *A note on large values of  $|\zeta^{(\ell)}(1+it)|$* , Bull. Aust. Math. Soc. **108** (2023), 217-223 (with Bin Wei)
2. *Distribution of Dirichlet  $L$ -functions*, Mathematika **69**(3) (2023), 719-750 (with Weijia Wang and Hao Zhang)
3. *On the distribution of large values of  $|\zeta(1+it)|$* , Period. Math. Hung. (2023), p.p. 20

## Preprints

1. *On large values of  $|\zeta(\sigma+it)|$* , arXiv:2110.04278, submitted (with Bin Wei)
2. *On the distribution of large values of  $|\zeta(\sigma+it)|$* , arXiv:2110.03288, submitted
3. *Structure of large quadratic character sums*, arXiv:2306.06355, submitted (with Weijia Wang and Hao Zhang)
4. *Large zeta sums*, arXiv:2310.13383, submitted (with Weijia Wang and Hao Zhang)

## Teaching Experience

2014–2018 Teaching Assistant of Mathematical Analysis, Linear Algebra, Real Analysis, Functional Analysis, Abstract Algebra, Differential Geometry, and Number Theory, in Shandong University

## Talks

- 2020.12 Macau University of Science and Technology, Workshop on Number Theory, *Distribution of values of the Riemann zeta function*
- 2021.03 University of Science and Technology of China, Conference of Algebraic Geometry and Number Theory, *Distribution of values of the Riemann zeta function*

2021.12 Hunan University, *Extreme values of the Riemann zeta function*  
2022.03 Tianjin University, *On large values of the Riemann zeta function*  
2022.04 Shandong University, *On large values of the Riemann zeta function*  
2022.11 Shandong University, *Distribution of Dirichlet L-functions*  
2023.07 Chinese Academy of Sciences, *Values of quadratic Dirichlet L-functions*  
2023.09 Shandong University, *Distribution of character sums*

## Language

Chinese Native  
English Fluent  
French Fluent