Runbo Li

Curriculum Vitae

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Education

2026– **B.Sc.** Department of Mathematics, Imperial College London, South Kensington Campus, London SW7 2AZ, UK

2023–2026 International Curriculum Center (ICC), The High School Affiliated to Renmin University of China, Beijing, China

Publications

7 **Runbo Li**. On the largest prime factor of quadratic polynomials. *European Journal of Mathematics*. to appear.

6 **Runbo Li**. A note on variants of Buchstab's identity. *Bulletin of the Belgian Mathematical Society – Simon Stevin*. to appear.

5 **Runbo Li**. On a conjecture involving twin practical numbers. *Notes on Number Theory and Discrete Mathematics*. 32(3): 544–555, 2026. Link to the publisher.

4 **Runbo Li**. On the largest prime factor of integers in short intervals. *Cambridge Journal for Junior Scientists*. 3(1): 1–16, 2026. Link to the publisher.

3 **Runbo Li**. A remark on the distribution of $\sqrt{p}$ modulo one involving primes of special type. *Hiroshima Mathematical Journal*. 56(1): 57–60, 2026. Link to the publisher.

2 **Runbo Li**. On Chen's theorem, Goldbach's conjecture and almost prime twins II. *Mathematical Reports*. 28(1–2): 39–61, 2026. Link to the publisher.

1 **Runbo Li**. A remark on the distribution of $\sqrt{p}$ modulo one involving primes of special type II. *European Journal of Mathematics*. 11:85, 2025. Link to the publisher.

Preprints (Selected)

Runbo Li. Primes in arithmetic progressions to large moduli with multilinear weights. *arXiv*.

Runbo Li. Primes in arithmetic progressions to large moduli and refinements of Harman's sieve. *arXiv*.

Presentations

6 Primes in arithmetic progressions to large moduli. *The 4th Workshop on Cute Math*. Online. 26 July 2026.

5 Primes in short intervals. *Nankai University Additive Number Theory Seminar*. Online. 4 December 2025.

4 On Bertrand's Postulate. *Tianjin Nankai High School: Student Research Experience Sharing and Shiing-Shen Chern Class Research Group Launch Meeting*. Online. 21 November 2025.

3 Primes in short intervals. *The 3rd Workshop on Cute Math*. Online. 21 July 2025.

2 On the Goldbach's conjecture. *2025 'Haidian π Mathematics Festival' Closing Ceremony Research Presentation*. The High School Affiliated to Beijing Institute of Technology. 4 July 2025.

1 On Chen's theorem, Goldbach's conjecture and applications of sieve methods. *S.-T. Yau High School Science Award (Mathematics) Global Final Research Report*. Tsinghua University. 7 December 2024.

Attended Seminars and Conferences (Selected)

2026 2026 Workshop on Number Theory (Tianjin, China)

2026 2026 Chen Jing-Run Prize Conference (Beijing, China)

2026 Forum for young scholar in number theory and related fields (Xiamen, China)

2025 2025 Capital Normal University Seminar on Number Theory and Algebraic Geometry (Beijing, China)

2024–2025 Zhongguancun Number Theory Colloquium (Beijing, China)

2024 2024 Number Theory Workshop at Peking (The 9th National Conference on Number Theory) (Beijing, China)

2024 International Number Theory Conference in Commemoration of Chengdong Pan (Jinan, China)

2023 2023 Beijing Jiaotong University Mathematics Frontier Forum (Beijing, China)