

Papers by Runbo Li

- [1]. R. Li. On some problems of primes with the floor function. *arXiv:2308.16301v1*, 2023.
- [2]. R. Li. On the upper and lower bound orders of almost prime triples. *arXiv:2401.01348v1*, 2023.
- [3]. R. Li. A remark on the distribution of \sqrt{p} modulo one involving primes of special type. *Accepted by Hiroshima Mathematical Journal, arXiv:2401.01351v1*, 2023.
- [4]. R. Li. Remarks on additive representations of natural numbers. *arXiv:2309.03218v7*, 2024.
- [5]. R. Li. Hybrid estimation of exponential sums, exceptional characters and primes in short intervals. *arXiv:2401.11139v3*, 2024.
- [6]. R. Li. A remark on large even integer of the form $p + P_3$. *arXiv:2403.09691v1*, 2024.
- [7]. R. Li. On a conjecture involving twin practical numbers. *preprints202504.1211.v1*, 2024.
- [8]. R. Li. On Chen's theorem, Goldbach's conjecture and almost prime twins. *arXiv:2405.05727v3*, 2024.
- [9]. R. Li. On the primitive divisors of quadratic polynomials. *arXiv:2406.07575v1*, 2024.
- [10]. R. Li. Primes in almost all short intervals. *arXiv:2407.05651v5*, 2024.
- [11]. R. Li. On the largest prime factor of integers in short intervals. *preprints202504.1212.v1*, 2024.
- [12]. R. Li. On the Piatetski–Shapiro prime number theorem. *preprints202504.1190.v1*, 2024.
- [13]. R. Li. On the Piatetski–Shapiro prime number theorem II. *preprints202504.1165.v1*, 2025.
- [14]. R. Li. The number of primes in short intervals and numerical calculations for Harman's sieve. *arXiv:2308.04458v7*, 2025.
- [15]. R. Li. A note on variants of Buchstab's identity. *arXiv:2504.07974v1*, 2025.
- [16]. R. Li. On prime-producing sieves and distribution of $\alpha p - \beta \pmod{1}$. *arXiv:2504.13195v2*, 2025.
- [17]. R. Li. Primes in arithmetic progressions to smooth moduli: A minorant version. *arXiv:2505.09629v1*, 2025.
- [18]. R. Li. On almost primes in Piatetski–Shapiro sequences. *arXiv:2505.09634v1*, 2025.
- [19]. R. Li. On the generalized Dirichlet divisor problem. *preprints202505.1432.v3*, 2025.
- [20]. R. Li. Largest square divisors of shifted primes. *arXiv:2505.23779v1*, 2025.
- [21]. R. Li. A remark on the distribution of \sqrt{p} modulo one involving primes of special type II. *arXiv:2401.01351v2*, 2025.
- [22]. R. Li. On the largest prime factor of quadratic polynomials. *arXiv:2406.07575v2*, 2025.
- [23]. R. Li. On Chen's theorem, Goldbach's conjecture and almost prime twins II. *arXiv:2405.05727v4*, 2025.
- [24]. R. Li. On the largest prime factor of integers in short intervals II. *10.33774/coe-2025-xnbjq*, 2025.
- [25]. R. Li. On the exceptional set in the *abc* conjecture. *arXiv:2507.02885v1*, 2025.

[26]. R. Li. On the weighted AM–GM inequality and refined inequalities between arithmetic functions. *preprint*, 2025.

[27]. R. Li. An average Brun–Titchmarsh theorem and shifted primes with a large prime factor. *arXiv:2508:18285v2*, 2025.

[28]. R. Li. On Chen’s theorem, Goldbach’s conjecture and almost prime twins III. *10.33774/coe-2025-5kl50*, 2025.