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教育背景

- 学士 山东大学 2004/9–2008/7
- 硕士 华东师范大学 2008/9–2011/6
- 博士 华东师范大学 2014/9–2017/6

工作经历

- 2017/6–2019/11 讲师 温州大学数理学院
- 2019/12–2020/8 副教授 温州大学数理学院
- 2020/9–现在 副教授、硕士生导师 温州大学数理学院

讲授课程

- 高等代数
- 高等数学

研究方向

- 数论
- 组合数学
- 特殊函数论

学术项目

- 带 p -adic Gamma 函数的组合余式研究, 国家自然科学基金青年项目 (11801417), 22万元, 主持, 2019/1–2021/12

—— 学术论文(SCI收录)

1. Long Li, **Ji-Cai Liu***, On two supercongruences of double binomial sums, *Period. Math. Hungar.*, to appear.
2. **Ji-Cai Liu**, A supercongruence relation among Apéry-like numbers, *Colloq. Math.*, online, doi: 10.4064/cm8108-4-2020.
3. **Ji-Cai Liu***, Zhong-Yu Huang, A truncated identity of Euler and related q -congruences, *Bull. Aust. Math. Soc.*, online, doi: 10.1017/S0004972720000301.
4. **Ji-Cai Liu**, On two congruences involving Franel numbers, *Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat.* 114 (2020), Art. 201.
5. **Ji-Cai Liu**, On a congruence involving q -Catalan numbers, *C. R. Math. Acad. Sci. Paris* 358 (2020), 211–215.
6. **Ji-Cai Liu**, Proof of Sun's conjectural supercongruence involving Catalan numbers, *Electron. Res. Arch.* 28 (2020), 1023–1030.
7. **Ji-Cai Liu**, Some supercongruences arising from symbolic summation, *J. Math. Anal. Appl.* 488 (2020), Art. 124062.
8. **Ji-Cai Liu**, On a sum of Apéry-like numbers arising from spectral zeta functions, *Colloq. Math.* 160 (2020), 1–6.
9. **Ji-Cai Liu**, Supercongruences arising from hypergeometric series identities, *Acta Arith.* 193 (2020), 175–182.
10. **Ji-Cai Liu***, Fedor Petrov, Congruences on sums of q -binomial coefficients, *Adv. in Appl. Math.* 116 (2020), Art. 102003.
11. Victor J.W. Guo, **Ji-Cai Liu***, Some congruences related to a congruence of Van Hamme, *Integral Transforms Spec. Funct.* (31) 2020, 221–231.
12. Ke-Yu Lin, **Ji-Cai Liu***, Congruences for the truncated Appell series F_3 and F_4 , *Integral Transforms Spec. Funct.* 31 (2020), 10–17.
13. **Ji-Cai Liu**, Supercongruences for truncated Appell series, *Colloq. Math.* 158 (2019), 255–263.
14. **Ji-Cai Liu***, Chen Wang, Congruences for the $(p - 1)$ th Apéry number, *Bull. Aust. Math. Soc.* 99 (2019), 362–368.
15. **Ji-Cai Liu**, Semi-automated proof of supercongruences on partial sums of hypergeometric series, *J. Symbolic Comput.* 93 (2019), 221–229.
16. **Ji-Cai Liu**, On Van Hamme's (A.2) and (H.2) supercongruences, *J. Math. Anal. Appl.* 471 (2019), 613–622.

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17. **Ji-Cai Liu**, Congruences on sums of super Catalan numbers, *Results Math.* 73 (2018), Art. 140.
18. Victor J.W. Guo, **Ji-Cai Liu***, q -Analogues of two Ramanujan-type formulas for $1/\pi$, *J. Difference Equ. Appl.* 24 (2018), 1368–1373.
19. **Ji-Cai Liu**, A generalized supercongruence of Kimoto and Wakayama, *J. Math. Anal. Appl.* 467 (2018), 15–25.
20. **Ji-Cai Liu**, Supercongruences involving p -adic Gamma functions, *Bull. Aust. Math. Soc.* 98 (2018), 27–37.
21. **Ji-Cai Liu***, Long Li, Su-Dan Wang, Some congruences on Delannoy numbers and Schröder numbers, *Int. J. Number Theory* 14 (2018), 2035–2041.
22. **Ji-Cai Liu**, Some supercongruences on truncated ${}_3F_2$ hypergeometric series, *J. Difference Equ. Appl.* 24 (2018), 438–451.
23. **Ji-Cai Liu**, Some finite generalizations of Gauss’s square exponent identity, *Rocky Mountain J. Math.* 47 (2017), 2723–2730.
24. **Ji-Cai Liu***, Jichun Liu, Some Extensions of the Prabhu-Srivastava Theorem Involving the (p, q) -Gamma Function, *Filomat* 31 (2017), 4507–4513.
25. **Ji-Cai Liu**, A p -adic supercongruence for truncated hypergeometric series ${}_7F_6$, *Results Math.* 72 (2017), 2057–2066.
26. **Ji-Cai Liu**, Proof of some divisibility results on sums involving binomial coefficients, *J. Number Theory* 180 (2017), 566–572.
27. **Ji-Cai Liu**, Some finite generalizations of Euler’s pentagonal number theorem, *Czechoslovak Math. J.* 142 (2017), 525–531.
28. **Ji-Cai Liu**, Congruences for truncated hypergeometric series ${}_2F_1$, *Bull. Aust. Math. Soc.* 96 (2017), 14–23.
29. **Ji-Cai Liu***, Wilberd van der Kallen, Proof of Sun’s conjectures on Schröder-like numbers, *Int. J. Number Theory* 13 (2017), 1627–1638.
30. Victor J.W. Guo*, **Ji-Cai Liu**, Proof of a congruence on sums of powers of q -binomial coefficients, *Int. J. Number Theory* 13 (2017), 1571–1577.
31. **Ji-Cai Liu**, Some congruences for Schröder type polynomials, *Colloq. Math.* 146 (2017), 187–195.
32. **Ji-Cai Liu**, On two conjectural supercongruences of Apagodu and Zeilberger, *J. Difference Equ. Appl.* 22 (2016), 1791–1799.
33. **Ji-Cai Liu**, A supercongruence involving Delannoy numbers and Schröder numbers, *J. Number Theory* 168 (2016), 117–127.

34. Victor J.W. Guo*, **Ji-Cai Liu**, Proof of some conjectures of Z.-W. Sun on the divisibility of certain double sums, *Int. J. Number Theory* 12 (2016), 615–623.
35. Victor J.W. Guo*, **Ji-Cai Liu**, Proof of a conjecture of Z.-W. Sun on the divisibility of a triple sum, *J. Number Theory* 156 (2015), 154–160.

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