Publications and preprints

[1] Tian, Ye; Wang, Shicheng; Wang, Zhongzi. *Achirality of Sol 3-manifolds, Stevenhagen conjecture and Shimizu's L-series.* 124.16.148.83/mcm/achirality.pdf

[2] He, Wei; Tian, Ye; Xiong, Wei. *Arithmetic Rallis inner product formulae for* $(SO_3, \widetilde{SL}_2)$. 124.16.148.83/mcm/Rallis.pdf.

[3] Cai, Li; Tian, Ye. *Distributions for Archimedean local heights.* 124.16.148.83/mcm/archimedean.pdf.

[4] Burungale, Ashay A.; Castella, Francesc; Skinner, Christopher; Tian, Ye. p^∞-*Selmer groups and rational points on CM elliptic curves.* Ann. Math. Québec 46 (2022), 325—346.

[5] Burungale, Ashay A.; Tian, Ye. *The even parity Goldfeld conjecture: congruent number elliptic curves.* J. Number Theory 230 (2022), 161–195.

[6] Burungale, Ashay A.; Skinner, Christopher; Tian, Ye. *The Birch and Swinnerton-Dyer conjecture: a brief survey.* Nine mathematical challenges—an elucidation, 11–29, Proc. Sympos. Pure Math., 104, Amer. Math. Soc., Providence, RI, 2021.

[7] He, Wei; Hu, Yirong; Tian, Ye. *Tiling number problem and θ-congruent number problem* (in Chinese). Sci Sin Math, 2021, 51: 1579–1594.

[8] Tian, Ye. *Congruent number problem and Goldfeld conjecture* (in Chinese). Sci Sin Math, 2020, 50: 1-16.

[9] Burungale, Ashay A.; Tian, Ye. *p-converse to a theorem of Gross-Zagier, Kolyvagin and Rubin.* Invent. Math. 220 (2020), no. 1, 211–253.

[10] Burungale, Ashay A.; Tian, Ye. *Horizontal non-vanishing of Heegner points and toric periods.* Adv. Math. 362 (2020), 106938, 35 pp.

[11] Tian, Ye. *Congruent number problem.* ICCM Not. 5 (2017), no. 1, 51–61.

[12] Tian, Ye. *Congruent number problem.* Proceedings of the Sixth International Congress of Chinese Mathematicians. Vol. I, 135–151, Adv. Lect. Math. (ALM), 36, Int. Press, Somerville, MA, 2017.

[13] Tian, Ye; Yuan, Xinyi; Zhang, Shou-Wu. *Genus periods, genus points and congruent number problem.* Asian J. Math. 21 (2017), no. 4, 721–773.

[14] Cai, Li; Shu, Jie; Tian, Ye. *Cube sum problem and an explicit Gross-Zagier formula.* Amer. J. Math. 139 (2017), no. 3, 785–816.

[15] Tian, Ye. *Congruent number problem and arithmetic of elliptic curves.* Introduction to modern mathematics, 409–423, Adv. Lect. Math. (ALM), 33, Int. Press, Somerville, MA, 2015.

[16] Coates, John; Li, Yongxiong; Tian, Ye; Zhai, Shuai. *Quadratic twists of elliptic curves.* Proc. Lond. Math. Soc. (3) 110 (2015), no. 2, 357–394.

[17] Cai, Li; Shu, Jie; Tian, Ye. *Explicit Gross-Zagier and Waldspurger formulae.* Algebra & Number Theory 8 (2014), no. 10, 2523–2572.

[18] Tian, Ye. *Congruent numbers and Heegner points.* Camb. J. Math. 2 (2014), no. 1, 117–161.

[19] Tian, Ye. *Congruent numbers with many prime factors.* Proc. Natl. Acad. Sci. USA 109 (2012), no. 52, 21256–21258.

[20] Li, Jian-Shu; Sun, Binyong; Tian, Ye. *The multiplicity one conjecture for local theta correspondences.* Invent. Math. 184 (2011), no. 1, 117–124.

[21] Darmon, Henri; Tian, Ye. *Heegner points over towers of Kummer extensions.* Canad. J. Math. 62 (2010), no. 5, 1060–1081.

[22] Tian, Ye. *Twisted Fermat curves over totally real fields. II.* Geometry, analysis and topology of discrete groups, 440–453, Adv. Lect. Math. (ALM), 6, Int. Press, Somerville, MA, 2008.

[23] Diaconu, Adrian; Tian, Ye. *Twisted Fermat curves over totally real fields.* Ann. of Math. (2) 162 (2005), no. 3, 1353–1376.

[24] Tian, Ye. *Euler systems of CM points on Shimura curves.* Thesis (Ph.D.)–Columbia University. ProQuest LLC, Ann Arbor, MI, 2003. 169 pp.

[25] Li, Delang; Tian, Ye. *On the Birch-Swinnerton-Dyer conjecture of elliptic curves $E_D : y^2 = x^3 - D^2 x$.* (Chinese) Acta Math. Sinica (Chinese Ser.) 44 (2001), no. 3, 385–392.

[26] Li, Delang; Tian, Ye. *On the Birch-Swinnerton-Dyer conjecture of elliptic curves $E_D : y^2 = x^3 - D^2 x$.* Acta Math. Sin. (Engl. Ser.) 16 (2000), no. 2, 229–236.