

Publications of Shou-Wu Zhang

1. Gerd Faltings, *Lectures on the arithmetic Riemann-Roch theorem*. Notes were taken by Shouwu Zhang. *Annals of Mathematics Studies*, 127. (1992). x+100 pp.
2. *Positive line bundles on arithmetic surfaces*. *Ann. of Math.* (2) 136 (1992), no. 3, pp 569–587.
3. *Admissible pairing on a curve*. *Invent. Math.* 112 (1993), no. 1, pp 171–193.
4. *Geometric reductivity at Archimedean places*. *Internat. Math. Res. Notices* 1994, no. 10, 425 ff., approx. 9 pp.
5. *Positive line bundles on arithmetic varieties*. *J. Amer. Math. Soc.* 8 (1995), no. 1, pp 187–221.
6. *Small points and adelic metrics*. *J. Algebraic Geom.* 4 (1995), no. 2, 28100
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9. *Heights of Heegner cycles and derivatives of L-series*. *Invent. Math.* 130 (1997), no. 1, pp 99–152.
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11. *Small points and Arakelov theory*. *Proc. of ICM, Doc. Math.* 1998, Extra Vol. II, pp 217–225 (electronic).
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18. Henri Darmon and Shou-Wu Zhang (eds) *Heegner points and Rankin L-series*. MSRI Publications, 49.
19. *Gross-Zagier formula for $GL(2)$. II*. Heegner points and Rankin L-series, pp 191–214, MSRI Publications, 49.
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21. (with Dihua Jiang and Jianshu Li) *Periods and distribution of cycles on Hilbert modular varieties*. Pure Appl. Math. Q. 2 (2006), no. 1, pp 219–277.
22. *Distributions in Algebraic Dynamics*. Surveys in differential geometry. Vol. X, pp 381–430, Int. Press, Somerville, MA, 2006.
23. (with Johan de Jong) *Generic abelian varieties with real multiplication are not Jacobians*. Diophantine geometry, 165–172, CRM Series, 4, Ed. Norm., Pisa, 2007.
24. (with Xinyi Yuan and Wei Zhang) *The Gross–Kohnen–Zagier Theorem over Totally Real Fields*. Compositio Math. 145 (2009), pp 1147–1162.
25. *Gross–Schoen cycles and Dualising sheaves*. Invent. Math. 179 (2010), no. 1, pp 1–73.
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27. *Arithmetic of Shimura curves*. Sci. China Math. 53 (2010), no. 3, 573–592.
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33. (with Xinyi Yuan) *On the Averaged Colmez Conjecture*. Annals of Mathematics (2018) 187, No.2, pp 533–638 [Erratum](#)
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36. (with Xinyi Yuan) *Adelic line bundles over quasi-projective varieties*, Manuscript 2021, 224 pages,
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38. *Height pairings for algebraic cycles on the product of a curve and a surface*, Manuscript 2021, 18 pages,
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