PUBLICATIONS

Jing Yu

- A Cuspidal class number formula for the modular curves X(N), Mathematische Annalen 252(1980), 197-216.
- [2] Irrationality of lattices in finite characteristic, Mathematika **29**(1982), 227-230.
- [3] Transcendental numbers arising from Drinfeld modules, Mathematika 30(1983), 61-66.
- [4] Transcendence theory over function fields, Duke Mathematical Journal 52(1985), 517-527.
- [5] A six exponentials theorem in finite characteristic, Mathematische Annalen 272 (1985), 91-98.
- [6] Transcendence and Drinfeld modules, Inventiones mathematicae 83(1986), 507-517.
- [7] Transcendence and Drinfeld modules : several variables, Duke Mathematical Journal 58(1989), 559-575.
- [8] On Periods and quasi-periods of Drinfeld modules, Compositio Mathematica 74 (1990), 235–245.
- [9] Transcendence and special zeta values in characteristic p, Annals of Mathematics 134 (1991), 1–23.
- [10] Transcendence in finite characteristic, The Arithmetic of Function Fields, ed. by D. Goss, D.R.Hayes & M.I.Rosen, de Gruyter 1992, 253–264.
- [11] Analytic homomorphisms into Drinfeld modules, Annals of Mathematics **145** (1997), 215–233.
- [12] A note on a geometri analogue of Ankeny-Artin-Chowla's conjecture, (with Jiu-Kang Yu), Contemporary Math. A.M.S. 210 (1998), 101–105.
- [13] On class number relations over function fields, (with Julie T.-Y. Wang), Journal of Number Theory 69 (1998), 181–196.
- [14] On Singular Moduli of Drinfeld Modules in Characteristic Two, (with L.-C. Hsia), Journal of Number Theory 69 (1998), 80–97.
- [15] On characteristic polynomials of geometric Frobenius associated to Drinfeld modules, (with L.-C. Hsia), Compositio Mathematica 122 (2000), 261–280.
- [16] Distribution of units of real quadratic number fields, (with Y.-M. J. Chen and Y. Kitaoka), Nagoya J. of Mathematics 158 (2000), 167–184.

- [17] On a density problem for elliptic curves over finite fields, (with Y.-M. J. Chen), Asian J. of Mathematics 4 (2000), 737–756.
- [18] On arithmetic of hyperelliptic curves, Aspects of Mathematics, HKU 2001, 395–415.
- [19] On Artin's conjecture for rank one Drinfeld modules, (with C.-N. Hsu), Journal of Number Theory 88 (2001), 157–174.
- [20] On primitive roots of one dimensional tori: the function field case, (with Y.-M. J. Chen and Y. Kitaoka), Mathematishe Zeitschrift 243 (2003), 201-215.
- [21] On primitive roots for Carlitz module, (with W.-C. Yao), Journal of Number Theory 100 (2003), 88–103.
- [22] On the density of 4-ranks of tame kernels for quadratic fields, (with Q Yue), J. reine angew. Math. 567 (2004), 151–173.
- [23] Mass formula of supersingular Drinfeld modules, (with C.-F. Yu), C. R. Acad. Sci. Paris, Ser. I 338 (2004), 905–908.
- [24] On primitive roots of elliptic curves with complex multiplication, (with Y.-M. J. Chen), Journal of Number Theory114 (2005), 66–87.
- [25] Special zeta values on positive characteristic, Arithmetic Geometry and Number Theory, ed. by L. Weng & I. Nakamura, World Scientific 2006, 103–122.
- [26] Determination of algebraic relations among special zeta values in positive characteristic, (with Chieh-Yu Chang), Advances in Math.216 2007, 321–345.
- [27] On class number relations in characteristic two, (with Y.-M. J. Chen), Math. Zeit. 259 2008, 197–216.
- [28]On primitive roots for rank one Drinfeld modules (with W.-C.Yao), Journal of Number Theory 130 (2010), 370–385.
- [29] On the Independence of Heegner Points in the Function Field Case, (with Fu-Tsun Wei), Journal of Number Theory 130 (2010), 2542–2560.
- [30] Frobenius difference equations and algebraic independence of zeta values in positive characteristic, (with Chieh-Yu Chang and M. Papanikolas), to appear in Journal of Algebra and Number Theory, 2011.
- [31] Geometric gamma values and zeta values in positive characteristic, (with Chieh-Yu Chang and M. Papanikolas), International Mathematics Research Notices 8 (2010), 1432-1455.
- [32] Algebraic independence of arithmetic gamma values and Carlitz zeta values, (with Chieh-Yu Chang, D. Thakur, and M. Papanikolas), Advances in Math. 223 (2010), 1137-1154.

- [33] On theta series from quaternion algebras over function field, (with Fu-Tsun Wei), preprint 2010.
- [34] Theta series and function field analogue of Gross formula, (with Fu-Tsun Wei), to appear in Documenta Mathematica 2011.