

List of publications by Haruzo HIDA

March 1, 2025

1. On the values of Hecke's L -functions at non-positive integers, *J. Math. Soc. Japan*, **30** (1978), 249–278
2. On abelian varieties with complex multiplication as factors of the abelian variety attached to Hilbert modular forms, *Japan. J. Math. (new series)* **5** (1979), 157–208 (Master Thesis)
3. On abelian varieties with complex multiplication as factors of the jacobians of Shimura curves, *Amer. J. Math.* **103** (1981), 727–776 (Doctoral Thesis)
4. Congruences of cusp forms and special values of their zeta functions, *Inventiones Math.* **63** (1981), 225–261
5. On congruence divisors of cusp forms as factors of the special values of their zeta functions, *Inventiones Math.* **64** (1981), 221–262
6. Kummer's criterion for the special values of Hecke L -functions of imaginary quadratic fields and congruences among cusp forms, *Inventiones Math.* **66** (1982), 415–459
7. Transformation equations and the special values of Shimura's zeta functions, joint work with K. Doi and Y. Maeda, *Hokkaido Math. J.* **13** (1984), 347–361
8. A p -adic measure attached to the zeta functions associated with two elliptic modular forms I, *Inventiones Math.* **79** (1985), 159–195
9. Congruences of cusp forms and Hecke algebras, *Sém. de Théorie des Nombres, Paris 1983-84, Progress in Math.* **59** (1985) 133–146
10. Convolution de Rankin p -adique, *Sém. de Théorie des Nombres de Bordeaux 1984-85 Exposé no.13*
11. Iwasawa modules attached to congruences of cusp forms, *Ann. Scient. Ec. Norm. Sup. 4th series* **19** (1986), 231–273
12. Galois representations into $GL_2(\mathbb{Z}_p[[X]])$ attached to ordinary cusp forms, *Inventiones Math.* **85** (1986), 545–613
13. Hecke algebras for GL_1 and GL_2 , *Sém. de Théorie des Nombres, Paris 1984-85, Progress in Math.* **63** (1986), 131–163.
14. On p -adic Hecke algebras for GL_2 , *Proc. International Congress of Mathematicians, 1986*, 434–443
15. A p -adic measure attached to the zeta functions associated with two elliptic modular forms II, *Ann. l'institut Fourier* **38** (1988), 1–83
16. Modules of congruence of Hecke algebras and L -functions associated with cusp forms, *Amer. J. Math.* **110** (1988), 323–382
17. On p -adic Hecke algebras for GL_2 over totally real fields, *Ann. of Math.* **128** (1988), 295–384
18. On nearly ordinary Hecke algebras for $GL(2)$ over totally real fields, *Advanced Studies in Pure Math.* **17** (1989), 139–169
19. Nearly ordinary Hecke algebras and Galois representations of several variables, *Proc. JAMI Inaugural Conference, Supplement to Amer. J. Math.* (1989), 115–134
20. Theory of p -adic Hecke algebras and Galois representations, *Sugaku Expositions* **2** (1989), 75–102
21. Le produit de Petersson et de Rankin p -adique, *Sém. Théorie de Nombre de Paris, 1988-89*, 87–102
22. p -adic L -functions for base change lifts of GL_2 to GL_3 , in *Proc. of Conference on “Automorphic forms, Shimura varieties, and L -functions”*, Perspectives in Math. **11** (1990), 93–142
23. Katz p -adic L -functions, congruence modules and deformation of Galois representations, joint work with J. Tilouine, *Proc. LMS Symposium on “L-functions and arithmetic”, Durham, England, July 1989, LMS Lecture notes series* **153** (1991), 271–293

24. On p -adic L -functions of $GL(2) \times GL(2)$ over totally real fields, Ann. Inst. Fourier **41** (1991), 311–391
25. Anti-cyclotomic Katz p -adic L -functions and congruence modules, joint work with J. Tilouine, Ann. Scient. Ec. Norm. Sup. **26** (1993), 189–259
26. p -Ordinary cohomology groups for $SL(2)$ over number fields, Duke Math. J. **69** (1993), 259–314.
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28. On the anti-cyclotomic main conjecture for CM fields, joint work with J. Tilouine, Inventiones Math. **117** (1994), 89–147
29. On the critical values of L -functions of $GL(2)$ and $GL(2) \times GL(2)$, Duke Math. J. **74** (1994), 431–529.
30. p -Adic ordinary Hecke algebras for $GL(2)$, Ann. l’Institut Fourier **44** (1994), 1289–1322
31. Modular p -adic L -functions and p -adic Hecke algebras, Amer. Math. Soc. Transl. **160** (1994), 125–154
32. On Λ -adic forms of half integral weight for $SL(2)/\mathbb{Q}$, in Number Theory, Paris, Lecture notes series of LMS **215** (1995), 139–166
33. Control theorems of p -nearly ordinary cohomology groups for $SL(n)$, Bull. Soc. Math. Fr. **123** (1995) 425–475
34. On Selmer groups of adjoint modular Galois representations, Number Theory 1993–94, Lecture notes series of LMS **235** (1996), 89–132
35. *On the search of genuine p -adic modular L -functions for $GL(n)$* , Memoires SMF **67** (1996), Monograph
36. Adjoint modular Galois representations and their Selmer groups, joint work with J. Tilouine and E. Urban, Proc. Natl. Acad. Sci. USA **94** (1997), 11121–11124
37. Non-abelian base change for totally real fields, joint work with Y. Maeda, Olga Taussky Todd memorial issue, Pacific Journal of Math. (1997), 189–217
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39. Discriminant of Hecke fields and the twisted adjoint L -values for $GL(2)$, joint work with K. Doi and H. Ishii, Inventiones Math. **134** (1998), 547–577
40. Automorphic induction and Leopoldt type conjectures for $GL(n)$, Asian J. Math. **2** (1998), 667–710
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48. Greenberg’s \mathcal{L} -invariants of adjoint square Galois representations, International Mathematics Research Notices, Vol. **2004**, no. 59, 3177–3189
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50. The integral basis problem of Eichler, International Mathematics Research Notices, Vol. **2005**, no. 34, 2101–2122

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52. *Hilbert Modular Forms and Iwasawa Theory*, 2006, Oxford University Press, BOOK
53. Automorphism Groups of Shimura Varieties of PEL type, *Documenta math.* **11** (2006), 25–56
54. Anticyclotomic main conjectures, *Documenta Math. Extra volume Coates* (2006), 465–532
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