

Bibliography

- [And90] Y. André, *p -adic Betti lattices*, in: *p -adic analysis*, Proc. Trento conf. on p -adic analysis (F. Baldassarri, S. Bosch, and B. Dwork, eds.), Lecture Notes in Math, vol. 1454, Springer, 1990, 23–63.
- [And92] Y. André, *Réalisation de Betti des motifs p -adiques*, preprint IHES, 1992.
- [And95] Y. André, *Théorie des motifs et interprétation géométrique des valeurs p -adiques de G -functions*, Number theory (S. David, ed.), Cambridge Univ. Press., 1995, 37–60.
- [And96] Y. André, *G -functions et transcendance*, J. Reine Angew. Math. **476** (1996), 95–125.
- [And98] Y. André, *p -adic orbifolds and p -adic triangle groups*, R.I.M.S. Kokyuroku, vol. 1073, 1998, 136–159.
- [And02a] Y. André, *Représentations galoisiennes et opérateurs de Bessel p -adiques*, Ann. Inst. Fourier **52** (2002), no. 3, 779–808.
- [And02b] Y. André, *Filtrations de type Hasse-Arf et monodromie p -adique*, Invent. Math. **148** (2002), 285–317.
- [And] Y. André, *A geometric description of $\text{Gal}(\overline{\mathbb{Q}_p}/\mathbb{Q}_p)$ and a p -adic avatar of GT* , to appear in Duke Math. J.
- [AB01] Y. André and F. Baldassarri, *De Rham cohomology of differential modules on algebraic varieties*, Progress in Mathematics, vol. 189, Birkhäuser, 2001.
- [Bal82] F. Baldassarri, *Differential modules and singular points of p -adic differential equations*, Adv. in Math. **44** (1982), 155–179.
- [Ber90] V.G. Berkovich, *Spectral theory and analytic geometry over non-Archimedean fields*, Mathematical Surveys and Monographs, no. 33, A.M.S., 1990.
- [Ber93] V.G. Berkovich, *Étale cohomology for non-Archimedean analytic spaces*, Inst. Hautes Études Sci. Publ. Math. **78** (1993), 5–161.
- [Ber98] V.G. Berkovich, *p -adic analytic spaces*, Proceedings of the International Congress of Mathematicians (Berlin, 1998), Doc. Math. 1998 Extra Vol. II, pp. 141–151 (electronic).
- [Ber99] V.G. Berkovich, *Smooth p -adic analytic spaces are locally contractible*, Invent. Math. **137** (1999), no. 1, 1–84.
- [Be84] P. Berthelot, *Cohomologie rigide et théorie de Dwork: le cas des sommes exponentielles*, S.M.F. Astérisque **119–120** (1984), 17–49.
- [Be86] P. Berthelot, *Géométrie rigide et cohomologie des variétés algébriques de caractéristique $p > 0$* , Mémoire de la SMF **23** (1986), 7–32.
- [Be96] P. Berthelot, *Cohomologie rigide et cohomologie rigide à supports propres*, preprint IRMAR 96-03 (1996).
- [BBM82] P. Berthelot, L. Breen, and W. Messing, *Théorie de Dieudonné cristalline II*, Lecture Notes in Math., vol. 930, Springer, 1982.
- [BM79] P. Berthelot and W. Messing, *Théorie de Dieudonné cristalline I*, Astérisque **63** (1979), 17–38.
- [BeO83] P. Berthelot and A. Ogus, *F -isocrystals and De Rham cohomology I*, Invent. Math. **72** (1983), 159–199.

- [BD98] M. Bertolini and H. Darmon, *Heegner points, p -adic L -functions, and the Čerednik-Drinfeld uniformization*, Invent. Math. **131** (1998), 453–491.
- [BT65] A. Borel and J. Tits, *Groupes réductifs*, Inst. Hautes Études Sci. Publ. Math. **27** (1965), 55–151.
- [BDR80] S. Bosch, B. Dwork, and P. Robba, *Un théorème de prolongement pour des fonctions analytiques*, Math. Ann. **252** (1980), 165–173.
- [BGR84] S. Bosch, U. Güntzer, and R. Remmert, *Non-Archimedean Analysis*, Springer-Verlag, 1984, Grundlehren der Math. Wiss.
- [BL93] S. Bosch and W. Lütkebohmert, *Formal and rigid geometry I, Rigid spaces*, Math. Ann. **295** (1993), 291–317.
- [BLR90] S. Bosch, W. Lütkebohmert, and M. Raynaud, *Néron models*, Ergebnisse der Math., vol. 21, Springer, 1990.
- [Bou64] N. Bourbaki, *Algèbre I*, deuxième ed., Hermann, 1964.
- [Bou74] N. Bourbaki, *Topologie générale*, Hermann/CCLS, 1974.
- [Bou83] N. Bourbaki, *Variétés différentielles et analytiques*, fascicule de résultats, CCLS, Paris, 1983.
- [BC91] J.F. Boutot and H. Carayol, *Uniformisation p -adique des courbes de Shimura: les théorèmes de Čerednik et de Drinfeld*, in: Astérisque, vol. 196–197, S.M.F., 1991, 45–158.
- [BZ95] J.F. Boutot and T. Zink, *The p -adic uniformization of Shimura curves*, preprint 95-107, Sonderforschungsbereich 343, Univ. Bielefeld., 1995.
- [Bre99] C. Breuil, *Représentations semi-stables et modules fortement divisibles*, Invent. Math. **136** (1999), 89–122.
- [Bre00] C. Breuil, *Groupes p -divisibles, groupes finis et modules filtrés*, Annals of Math. **152** (2000), 489–549.
- [Car61] C. Caratheodory, *Funktionentheorie II*, Birkhäuser, 1961.
- [Čer76] I.V. Čerednik, *Uniformization of algebraic curves by discrete subgroup of $\mathrm{PGL}_2(k_w)$ with compact quotients*, Math. USSR-Sb. **29** (1976), 55–78.
- [Chl98] A. Chambert-Loir, *Cohomologie cristalline: un survol*, Exposition. Math. **16** (1998), 333–382.
- [C86] G. Christol, *Fonctions et éléments algébriques*, Pacific J. Math. **125** (1986), 1–37.
- [CM97] G. Christol and Z. Mebkhout, *Sur le théorème de l'indice des équations différentielles p -adiques II*, Ann. of Math. **146** (1997), 345–410.
- [CM00] G. Christol and Z. Mebkhout, *Sur le théorème de l'indice des équations différentielles p -adiques III*, Annals of Math. **151** (2000), 385–457.
- [CR94] G. Christol and P. Robba, *Équations différentielles p -adiques; applications aux sommes exponentielles*, Hermann, 1994.
- [CC89] D. Chudnovsky and G. Chudnovsky, *Computational problems in arithmetic of linear differential equations. some diophantine applications*, Number Theory, Lecture Notes in Math., vol. 1383, Springer, 1989, 12–49.
- [CW01] P. Cohen and G. Wüstholz, *A panorama in Number Theory*, ch. Applications of the André-Oort conjecture to transcendence, Cambridge Univ. Press, 2001.
- [Col90] R. Coleman, *On the Frobenius matrices of Fermat curves*, in: p -adic analysis, Proc. Trento conf. on p -adic analysis (F Baldassarri, S. Bosch, and B. Dwork, eds.), Lecture Notes in Math., vol. 1454, 1990, 173–193.
- [CF00] P. Colmez and J.-M. Fontaine, *Construction des représentations p -adiques semi-stables*, Invent. Math. **140** (2000), no. 1, 1–43.
- [Co91] P. Colmez, *Périodes des variétés abéliennes à multiplication complexe*, Ann. of Math. **138** (1993), 625–683.
- [Co92] P. Colmez, *Périodes p -adiques des variétés abéliennes*, Math. Ann. **292** (1992), 629–644.

- [Co94] P. Colmez, *Les nombres algébriques sont denses dans \mathbf{B}_{dR}^+* , Périodes p -adiques, Astérisque, vol. 223, S.M.F., 1994.
- [Co98] P. Colmez, *Intégration p -adique*, Astérisque, vol. 248, S.M.F., 1998.
- [Cox74] H.M.S. Coxeter, *Regular complex polytopes*, 1991, 2nd ed., Cambridge Univ. Press, 1974.
- [Cox79] H.M.S. Coxeter, *The non-euclidian symmetry of Escher's picture "circle limit III"*, Leonardo (1979), 19–25, Pergamon Press
- [Cr85] R. Crew, *F -isocrystals and p -adic representations*, Algebraic Geometry - Bowdoin, Proc. Symp. Pure Math. **47** (1985), 111–138.
- [Cr00] R. Crew, *Canonical Extensions, Irregularities, and the Swan Conductor*, Math. Ann. **316** (2000), 19–37.
- [dJ95a] A.J. de Jong, *Crystalline Dieudonné module theory via formal and rigid geometry*, Inst. Hautes Études Sci. Publ. Math. **82** (1995), 5–96, erratum ibid. **87** (1998), 175.
- [dJ95b] A.J. de Jong, *Étale fundamental groups of non-archimedean analytic spaces*, Compositio Math. **97** (1995), 89–118.
- [dJvdP96] A.J. de Jong and M. van der Put, *Etale cohomology of rigid analytic spaces*, Doc. Math. **1** (1996), 1–56.
- [Del71] P. Deligne, *Travaux de Shimura*, Sémin. Bourbaki 389, Lecture Notes in Math., vol. 244, Springer, 1971.
- [Del74] P. Deligne, *Théorie de Hodge III*, Inst. Hautes Études Sci. Publ. Math. **44** (1974), 5–78.
- [Del89] P. Deligne, *Le groupe fondamental de la droite projective moins trois points*, Galois groups over \mathbb{Q} , Publ. Math. Sci. Res. Inst., vol. 16, Springer Verlag, 1989, Proc. Workshop, Berkeley/CA (USA) 1987, 79–297.
- [DM93] P. Deligne and G. Mostow, *Commensurabilities among lattices in $PU(1, n)$* , Princeton Univ. press, 1993.
- [Dem72] M. Demazure, *Lectures on p -divisible groups*, Lecture Notes in Math., vol. 302, Springer L.N.M., 1972.
- [dSh87] E. de Shalit, *Iwasawa theory of elliptic curves with complex multiplication*, Acad. Press, 1987.
- [Dri76] V.G. Drinfeld, *Coverings of p -adic symmetric regions*, Functional. Anal. Appl. **10** (1976), 29–40.
- [Dw69] B. Dwork, *p -adic cycles*, Inst. Hautes Études Sci. Publ. Math. **37** (1969), 27–115.
- [Dw74] B. Dwork, *Bessel functions as p -adic functions of the argument*, Duke Math. J. **41** (1974), 711–738.
- [Dw82] B. Dwork, *Lectures on p -adic differential equations*, Springer, NY, 1982.
- [Dw83] B. Dwork, *On the Boyarsky principle*, Amer. J. Math. **285** (1983), 115–156.
- [EGA I] A. Grothendieck and J. Dieudonné, *Eléments de Géométrie Algébrique I*, Inst. Hautes Études Sci. Publ. Math., vol. 4, 1960.
- [EGA IV] A. Grothendieck and J. Dieudonné, *Eléments de Géométrie Algébrique IV, Étude locale des schémas et des morphismes de schémas (quatrième partie)*, Inst. Hautes Études Sci. Publ. Math., vol. 32, 1967.
- [Elk98] N. Elkies, *Shimura curve computations*, Algorithmic number theory (J.P. Buhler, ed.), L. N. Comput. Sci., vol. 1423, Springer, 1998, 3rd international symposium, ANTS-III, Portland, O, USA, June 21–25 Proceedings, 1–47.
- [Esc71] M.C. Escher, *The world of M.C. Escher*, New York H. N. Abrams, 1971.
- [Fal95] G. Faltings, *Mumford-Stabilität in der algebraischen Geometrie*, Proceedings of ICM 1994 (Zürich), Birkhäuser, 1995, 648–655.
- [FM87] J.-M. Fontaine and W. Messing, *p -adic periods and p -adic étale cohomology*, Contemporary Mathematics **67** (1987), 179–207.

- [Fon79] J.-M. Fontaine, *Modules galoisiens, modules filtrés et anneaux de Barsotti-Tate*, Astérisque, vol. 65. Société Mathématique de France, 1979.
- [Fon94] J.-M. Fontaine, *Représentations p -adiques semi-stables*, Périods p -adiques, Séminaire de Bures, 1988, Astérisque, **223**, S.M.F., (1994), 113–184.
- [For29] L. Ford, *Automorphic functions*, 1951, 2nd ed., Chelsea, New York, 1929.
- [FvdP81] J. Fresnel and M. van der Put, *Géométrie analytique rigide et applications*, Progress in Math, vol. 18, Birkhäuser, Boston, Basel, Stuttgart, 1981.
- [GvdP80] L. Gerritzen and M. van der Put, *Schottky groups and Mumford curves*, Lecture Notes in Math., vol. 817, Springer-Verlag, 1980.
- [GI63] O. Goldmann and N. Iwahori, *The space of p -adic norms*, Acta. Math. **109** (1963), 137–177.
- [Gor01] U. Görtz, *On the flatness of models of certain Shimura varieties of PEL type*, Math. Ann. **321** (2001), 689–727.
- [Gou97] F.G. Gouvêa, *p -adic numbers, An Introduction*, 2nd ed., Universitext, Springer-Verlag, 1997.
- [Gra86] J. Gray, *Linear differential equations and group theory from Riemann to Poincaré*, Birkhäuser, 1986.
- [Gre81] L. Greenberg, *Homomorphisms of triangle groups into $PSL(2, \mathbb{C})$* , Riemann surfaces and related topics, Ann. Math. Studies, vol. 97, 1981, Proc. 1978 Stony Brook Conf., 167–181.
- [Gri71] P. Griffiths, *Periods of integrals on algebraic manifolds III*, Inst. Hautes Études Sci. Publ. Math. **38** (1971), 125–180.
- [GH94a] B. Gross and M. Hopkins, *Equivariant vector bundles on the Lubin-Tate moduli space*, A.M.S. Contemp. Math. **158** (1994), 23–88.
- [GH94b] B. Gross and M. Hopkins, *The rigid analytic period mapping, Lubin-Tate space, and stable homotopy theory*, Bull. Amer. Math. Soc. (N.S.) **30** (1994), 76–86.
- [Gro70] A. Grothendieck, *Groupes de Barsotti-Tate et cristaux*, Actes, Congrès Intern. Math., no. 1, 1970, 431–436.
- [Gro74] A. Grothendieck, *Groupes de Barsotti-Tate et cristaux de Dieudonné*, Presses de l'Univ. Montréal, 1974.
- [Gun67] R. Gunning, *Special coordinate covering of Riemann surfaces*, Math. Ann. **170** (1967), 67–86.
- [H81] E. Hecke, *Vorlesungen über die Theorie der algebraischen Zahlen, (Lectures on the theory of algebraic numbers)*, vol. 77, Springer verlag, 1981.
- [Heh75] D. Hejhal, *On Schottky and Teichmüller spaces*, Adv. in Math. **15** (1975), 133–156.
- [Her80a] F. Herrlich, *Die Ordnung der Automorphismengruppe einer p -adischen Schottkykurve*, Math. Ann. **246** (1980), 125–130.
- [Her80b] F. Herrlich, *Endlich erzeugbare p -adische diskontinuirliche Gruppen*, Arch. Math. **35** (1980), 505–515.
- [Hub96] R. Huber, *Étale cohomology of rigid analytic varieties and adic spaces*, Aspects of Mathematics, vol. 30, Vieweg-Verlag, Wiesbaden, 1996.
- [Hu87] D. Husemöller, *Elliptic curves*, Graduate Texts in Mathematics, vol. 111, Springer Verlag, 1987.
- [Ic97] T. Ichikawa, *Schottky uniformization theory on Riemann surfaces and Mumford curves of infinite genus*, J. reine angew. Math. **486** (1997), 45–68.
- [IK98] M.-N. Ishida and F. Kato, *The strong rigidity theorem for non-archimedean uniformization*, Tôhoku Math. J. (2) **50** (1998), 537–555.
- [Iv86] B. Iversen, *Cohomology of sheaves*, Universitext, Springer-Verlag, Berlin, Heidelberg, New York, Tokyo, 1986.
- [Kat99] F. Kato, *p -adic Schwarzian triangle groups of Mumford type*, preprint, 1999.

- [Kat01] F. Kato, *Arithmetic structure of Mumford fake projective plane*, preprint: Kyoto-Math 2001-06.
- [Ka72] N. Katz, *Algebraic solutions of differential equations. p -curvature and the Hodge filtration*, Invent. Math. **18** (1972), 1–118.
- [Ka73] N. Katz, *Travaux de Dwork*, Séminaire Bourbaki, Lecture Notes in Math **317** (1973), 167–200.
- [Ka81] N. Katz, *Serre-Tate local moduli*, Surface Algébriques, Lecture Notes in Math., vol. 868, Springer, 1981, 138–202.
- [Ka90] N. Katz, *Exponential sums and differential equations*, Annals of Math. Studies, vol. 124, Princeton University press, 1990.
- [Kem78] G. Kempf, *Instability in invariant theory*, Ann. of Math. **108** (1978), 299–316.
- [Kie67a] R. Kiehl, *Der Endlichkeitssatz für eigentliche Abbildungen in der nichtarchimedischen Funktionentheorie*, Invent. Math. **2** (1967), 191–214.
- [Kie67b] R. Kiehl, *Die de Rham Kohomologie algebraischer Mannigfaltigkeiten über einem bewerteten Körper*, Inst. Hautes Études Sci. Publ. Math. **33** (1967), 5–20.
- [Kie67c] R. Kiehl, *Theorem A und Theorem B in der nichtarchimedischen Funktionentheorie*, Invent. Math. **2** (1967), 256–273.
- [Ko79] N. Koblitz, *The hypergeometric function with p -adic parameters*, Proceedings of the Queen’s Number Theory Conference (Ontario), 1979, 319–328.
- [Ko80] N. Koblitz, *p -adic analysis: a short course on recent works*, London L.N.M., vol. 42, Cambridge Univ. Press, 1980.
- [Kot85] R.E. Kottwitz, *Isocrystals with additional structure*, Compositio Math. **56** (1985), 201–220.
- [Kot92] R.E. Kottwitz, *Points on some Shimura varieties over finite fields*, J. Amer. Math. Soc. **5** (1992), 373–444.
- [Kra96] D. Krammer, *An example of an arithmetic Fuchsian group*, J. reine angew. Math. **473** (1996), 69–85.
- [Kur79] A. Kurihara, *On some examples of equations defining Shimura curves and the Mumford uniformization*, J. Fac. Sci. Univ. Tokyo Sect. IA Math. (1979), 277–300.
- [Kur80] A. Kurihara, *Construction of p -adic unit balls and the Hirzebruch proportionality*, Amer. J. Math. **24** (1980), 129–174.
- [Laf79] G. Laffaille, *Construction de groupes p -divisibles: le cas de dimension 1*, Astérisque **65** (1979), 103–124.
- [La90] S. Lang, *Cyclotomic Fields I and II*, Graduate Text in Math., Springer-Verlag, 1990.
- [LiO98] K. Li and F. Oort, *Moduli of supersingular abelian varieties*, Lecture Notes in Math., vol. 1680, Springer, 1998.
- [Lüt90] W. Lütkebohmert, *Formal-algebraic and rigid-analytic geometry*, Math. Ann. **286** (1990), 341–371.
- [Lüt93] W. Lütkebohmert, *Riemann’s existence problem for a p -adic field*, Invent. Math. **111** (1993), 309–330.
- [Mag74] W. Magnus, *Non-euclidian tessellations and their groups*, vol. 61, Acad. Press, 1974.
- [May91] D. Mayer, *Continued fractions and related transformations*, Ergodic theory, symbolic dynamics, and hyperbolic spaces (Ser. C., ed.), Oxford University Press, 1991, 175–222.
- [MM74] B. Mazur and W. Messing, *Universal extensions and one-dimensional crystalline cohomology*, Lecture Notes in Math., vol. 370, Springer, 1974.
- [Mer54] S.N. Mergelyan, *Uniform approximations to functions of a complex variable*, Trans. Amer. Math. Soc. **101** (1954), 31–122.

- [Mes72] W. Messing, *The crystals attached to Barsotti-Tate groups*, Lecture Notes in Math., vol. 264, Springer, 1972.
- [Mes76] W. Messing, $q_{\text{Serre-Tate}} = q_{\text{Dwork}}$, Notices Amer. Math. Soc., 1976.
- [Mic81] J.F. Michon, *Courbes de Shimura hyperelliptiques*, Bull. Soc. Math. France **109** (1981), 217–225.
- [Mic84] J.F. Michon, *Courbes de Shimura*, Séminaire de Théorie des Nombres Paris 1982–1983, Progress in Mathematics, vol. 51, Birkhäuser, 1984.
- [Moc96] S. Mochizuki, *A theory of ordinary p -adic curves*, Publ. R.I.M.S. Kyoto **32** (1996), 957–1151.
- [Moo98] B. Moonen, *Models of Shimura varieties in mixed characteristics*, Galois representations in Arithmetic Algebraic Geometry (Taylor Scholl, ed.), Cambridge, 1998, pp. 267–350.
- [MoRo69] E. Motzkin and P. Robba, *Prolongement analytique en analyse p -adique*, Séminaire de Théorie des Nombres, Bordeaux, 1968–1969, multigraphed.
- [Mu72a] D. Mumford, *An analytic construction of degenerating abelian varieties over complete rings*, Compositio Math. **24** (1972), 239–272.
- [Mu72b] D. Mumford, *An analytic construction of degenerating curves over complete local rings*, Compositio Math. **24** (1972), 129–174.
- [Mu79] D. Mumford, *An algebraic surface with K ample, $(K^2) = 9$, $p_g = q = 0$* , Amer. J. of Math. **101** (1979), 233–244.
- [MFK94] D. Mumford, J. Fogarty, and F. Kirwan, *Geometric Invariant Theory*, third enlarged ed., Ergebnisse der Math., vol. 34, Springer-Verlag, 1994.
- [Mus78] G.A. Mustafin, *Nonarchimedean uniformization*, Math. USSR-Sb. **34** (1978), 187–214.
- [Oes84] J. Oesterlé, *Nombres de Tamagawa et groupes unipotents en caractéristique*, Invent. Math. **78** (1984), 13–88.
- [Ogg83] A. Ogg, *Real points on Shimura curves*, papers dedicated to Shafarevich, Progress in Math, vol. 35, Birkhäuser, 1983.
- [O90] A. Ogus, *A p -adic analogue of the Chowla-Selberg formula*, in: p -adic analysis, Proc. Trento conf. on p -adic analysis (F Baldassarri, S. Bosch, and B. Dwork, eds.), Lecture Notes in Math, vol. 1454, Springer, 1990, 319–341.
- [O00] A. Ogus, *Elliptic crystals and modular motives*, preprint (2000).
- [P00] G. Pappas, *On the arithmetic moduli schemes of PEL Shimura varieties*, J. of Alg. Geom. **9** (2000), no. 3, 577–605.
- [RR84] S. Ramanan and A. Ramanathan, *Some remarks on the instability flag*, Tôhoku Math. J. **36** (1984), 269–291.
- [Ram98] L. Ramero, *On a class of étale analytic sheaves*, J. Algebraic Geom. **7** (1998), no. 3, 405–504.
- [Rap92] A. Rapinchuk, *Congruence subgroup problem for algebraic groups: Old and new*, S.M.F. Astérisque **209** (1992), 73–84.
- [RR96] M. Rapoport and M. Richartz, *On the classification and specialization of F -isocrystals with additional structure*, Compositio Math. **103** (1996), 153–181.
- [RZ96] M. Rapoport and Th. Zink, *Period space for p -divisible groups*, Ann. of Math. Study, vol. 141, Princeton University press, 1996.
- [Ray74] M. Raynaud, *Géométrie analytique rigide d'après Tate, Kiehl,.. table ronde d'analyse non-archimedienne*, Bull. Soc. math. France Mém. **39–40** (1974), 319–327.
- [Ray94] M. Raynaud, *Revêtements de la droite affine en caractéristique $p > 0$ et conjecture d'Abhyankar*, Invent. Math. **116** (1994), 425–462.
- [Re89] E. Reyssat, *Quelques aspects des surfaces de Riemann*, Progress in Math., vol. 77, Birkhäuser, 1989.

- [Ro75] P. Robba, *Solutions bornées des systèmes différentiels linéaires. Application aux fonctions hypergéométriques*, Groupe d'étude d'analyse ultramétrique, exp. 5, 1975.
- [Ro86] P. Robba, *Une introduction naïve aux cohomologies de Dwork*, Mém. Soc. Math. France (N.S.) **23** (1986), 61–105.
- [Sai94] K. Saito, *Algebraic representation of the Teichmüller spaces*, The Grothendieck Theory of Dessins d’Enfants (L. Schneps, ed.), vol. 200, London Math. Soc., 1994.
- [Schn37] T. Schneider, *Arithmetische Untersuchungen elliptischer Integrale*, Math. Ann. **113** (1937), 1–13.
- [Sch85] A.J. Scholl, *A trace formula for F -crystals*, Invent. Math. **79** (1985), 31–48.
- [Sch99] H. Schoutens, *Embedded resolution of singularities in rigid analytic geometry*, Ann. Fac. Sci. Toulouse, VI. Ser. **8** (1999), no. 2, 297–330.
- [Ser67] J.-P. Serre, *Complex multiplication*, Algebraic Number Theory (J. Cassels and A. Fröhlich, eds.), Academic Press, 1967.
- [Ser68a] J.-P. Serre, *Abelian l -adic representations and elliptic curves*, Benjamin, 1968.
- [Ser68b] J.-P. Serre, *Corps locaux*, Hermann, 1968.
- [Ser77] J.-P. Serre, *Arbres, amalgames, sl_2* , Astérisque, vol. 46, S.M.F., 1977.
- [Ser94] J.-P. Serre, *Cohomologie galoisienne*, 5ème ed., vol. 5, Springer, 1994.
- [SGA 1] A. Grothendieck, *Revêtements étalés et groupe fondamental (SGA1)*, Lecture Notes in Math., vol. 224, Springer, 1971.
- [Shi67] G. Shimura, *Construction of class fields and zeta functions of algebraic curves*, Ann. of Math. **85** (1967), 58–159.
- [Shi71] G. Shimura, *Introduction to the arithmetic theory of automorphic functions*, Iwanami Shoten–Princeton Univ. Press, 1971, Kanô memorial lectures.
- [Si90] C. Simpson, *Transcendental aspects of the Riemann-Hilbert correspondence*, Illinois J. Math. **34** (1990), no. 2.
- [Si94] C. Simpson, *Moduli of representations of the fundamental group of a smooth projective variety I*, Inst. Hautes Études Sci. Publ. Math. **79** (1994), 47–129.
- [SvdP97] M. Singer and M. van der Put, *Galois theory of difference equations*, Lecture Notes in Math., vol. 1666, Springer, 1997.
- [SPM91] J. Stienstra, M. van der Put, and B. van der Marel, *On p -adic monodromy*, Math. Z. **208** (1991), 309–325.
- [Tak77] K. Takeuchi, *Commensurability classes of arithmetic triangle groups*, J. Fac. Sci. Univ. Tokyo Sect. IA Math. **24** (1977), 201–212.
- [Ta66] J. Tate, *p -divisible groups*, Proc. of the conference on Local Fields, 1966, 158–183.
- [Ta71] J. Tate, *Rigid analytic spaces*, Invent Math. **12** (1971), 257–289.
- [Ta93] J. Tate, *A review of non-archimedean elliptic functions*, Proc. of the conference on Elliptic Curves and Modular Forms (Hong-Kong), International Press, 1993, 162–184.
- [Ter73] T. Terada, *Problème de Riemann et fonctions automorphes provenant des fonctions hypergéométriques de plusieurs variables*, J. Math. Kyoto Univ. **13** (1973), 557–578.
- [Tot96] B. Totaro, *Tensor products in p -adic Hodge theory*, Duke Math. J **56** (1996), 79–104.
- [Tsu98] N. Tsuzuki, *Finite local monodromy of overconvergent unit-root F -isocrystal on a curve*, Amer. J. of Math. **120** (1998), 1165–1190.
- [Uen87] K. Ueno, *Compact rigid analytic spaces — with special regard to surfaces*, Advanced Studies in Pure Math., vol. 10, 1987, Algebraic Geometry, Sendai, 1985, 765–794.
- [vdM89] B. van der Marel, *Formal groups and differential equations*, Master’s thesis, Groningen, 1989.

- [vdP82] M. van der Put, *Cohomology on affinoid spaces*, Compositio Math. **45** (1982), 165–198.
- [vdP83] M. van der Put, *Étale coverings of a Mumford curve*, Ann. Inst. Fourier **33** (1983), no. 1, 29–52.
- [vdP87] M. van der Put, *A note on p -adic uniformization*, Indag. Math. **49** (1987), 313–318.
- [vdP88] M. van der Put, *Monodromie d'une équation différentielle p -adique*, Groupe d'étude d'analyse ultramétrique, Publ. Université Paris 7, 1987/88.
- [vdP89] M. van der Put, *Les courbes de Shimura*, J. Th. Nombres Bordeaux, Ser. II **1** (1989), no. 1, 89–102.
- [vdP92a] M. van der Put, *Discrete groups, Mumford curves and theta functions*, Ann. Fac. Sci. Toulouse, Ser. Math. 1 **VI** (1992), no. 3, 399–438.
- [vdP92b] M. van der Put, *Uniformization of varieties over local fields*, Nieuw Arch. Wiskd. **IV** (1992), no. 1-2, 57–75, Ser. 10.
- [vdPV92] M. van der Put and H. Voskuil, *Symmetric spaces associated to split algebraic groups over a local field*, J. Reine Angew. Math. **433** (1992), 69–100.
- [vdPV00] M. van der Put and H. Voskuil, *Discontinuous subgroups of $PGL_2(K)$* , preprint University Groningen, 2000.
- [Var98a] Y. Varshavsky, *p -adic uniformization of unitary Shimura varieties*, Inst. Hautes Études Sci. Publ. Math. **57** (1998), 57–119.
- [Var98b] Y. Varshavsky, *p -adic uniformization of unitary Shimura varieties II*, J. Differential Geom. **49** (1998), 75–113.
- [Vig80] M.F. Vignéras, *Arithmétique des algèbres de quaternions*, Lecture Notes in Math., vol. 800, Springer, 1980.
- [Wa69] W. Waterhouse, *Abelian varieties over finite fields*, Ann. Sci. École Norm. Sup. (4) **2** (1969), 521–560.
- [Wol88] J. Wolfart, *Wertehypergeometrischer Funktionen*, Invent. Math. **92** (1988), 187–216.
- [Yo87] M. Yoshida, *Fuchsian differential equations*, Aspects of Math., vol. 11, Vieweg, 1987.
- [Yo97] M. Yoshida, *Hypergeometric functions, my love (modular interpretation of configuration spaces)*, Aspects of Math., vol. 32, Vieweg, Publ. Max Planck Inst., 1997.
- [You92] P.T. Young, *Apéry numbers, Jacobi sums, and special values of generalized p -adic hypergeometric functions*, J. Number Theory **41** (1992), 231–255.
- [Yu95] J.K. Yu, *On the moduli of quasi-canonical liftings*, Compositio Math. **96** (1995), no. 3, 293–321.