

List of Publications by Yu. I. Manin

1956

1. On cubic congruences to a prime modulus. *Russian: Izv. AN SSSR, ser. mat., 20:6 (1956), pp. 673–678. English: AMS Translations, ser. 2, 13 (1960), 1–7.*

1958

2. Algebraic curves over fields with differentiation. *Russian: Izv. AN SSSR, ser. mat., 22:6 (1958), 737–756. English: AMS Translations, ser. 2, 37 (1964), 59–78.*

1959

3. On the moduli of a field of algebraic functions. *Russian: Doklady AN SSSR, 125:3 (1959), 488–491.*

1960

4. On cubic congruences to a prime modulus. *Amer. Math. Soc. Transl. (2) 13 (1960), 1–7.*

1961

5. The Hasse–Witt matrix of an algebraic curve. *Russian: Izv. AN SSSR, ser. mat., 25:1 (1961), 153–172. English: AMS Translations, ser. 2, vol. 45 (1965), 245–264.*
6. On the Diophantine equations over functional fields. *Russian: Doklady AN SSSR, 139:4 (1961), 806–809.*
7. On the ramified coverings of algebraic curves. *Russian: Izv. AN SSSR, ser. mat., 25:6 (1961), 789–796.*
8. On the theory of abelian varieties. *Russian: PhD Thesis, Steklov Math. Institute, Moscow, 1961, 66 pp.*

1962

9. On the theory of abelian varieties over a field of finite characteristic. *Russian: Izv. AN SSSR, ser. mat., 26:2 (1962), 281–292.*
10. A remark on Lie p -algebras. *Russian: Sibirskii Mat. Journal, 3:3 (1962), 479–480.*
11. An elementary proof of Hasse’s theorem. *Russian: Chapter 10 in “Elementary Methods in Analytic Number Theory”, by A. O. Gelfond and Yu. V. Linnik, Moscow, Fizmatgiz, 1962. 13 pp.*

12. Two-dimensional formal abelian groups. *Russian: Doklady AN SSSR*, 143:1 (1962), 35–37.

13. On the classification of the formal abelian groups. *Russian: Doklady AN SSSR*, 144:3 (1962), 490–492.

14. On the geometric constructions with compasses and ruler. *Russian: Chapter 6 in “Encyclopaedia of Elementary Mathematics”, vol. 6, Fizmatgiz, 1962, 14 pp.*

15. Commutative formal groups and Abelian varieties. *Russian: Dokl. Akad. Nauk SSSR* 145 (1962), 280–283.

1963

16. Rational points of algebraic curves over functional fields. *Russian: Izv. AN SSSR, ser. mat.* 27:6 (1963), 1395–1440. *English: AMS Translations ser. 2, vol. 50 (1966), 189–234.*

17. The theory of commutative formal groups over fields of finite characteristic. *Russian: Uspekhi Mat. Nauk*, 18:6 (1963), 3–90. *English: Russian Math. Surveys*, 18:6 (1963), 1–83.

18. A proof of the analogue of the Mordell conjecture for curves over functional fields. *Russian: Doklady AN SSSR*, 152:5 (1963), 1061–1063.

19. On the arithmetic of rational surfaces. *Russian: Doklady AN SSSR*, 152:1 (1963), 47–49. *English: Soviet Math. Dokl.*, 4 (1963), 1243–1247.

1964

20. The Tate height of points on an abelian variety, its variants and applications. *Russian: Izv. AN SSSR, ser. mat.*, 28:6 (1964), 1363–1390. *English: AMS Translations, ser. 2, 59 (1966), 82–110.*

21. Diophantine equations and algebraic geometry. *Russian: In: Proc. of the 4th All-Union Math. Congress, vol.2, Fizmatgiz, 1964, 15–21.*

22. Rational points on algebraic curves. *Russian: Uspekhi Mat. Nauk*, 19:6 (1964), 83–87.

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23. Moduli fuchsiani. *Annali Scuola Norm. Sup. di Pisa*, 19 (1965), 113–126.

24. Minimal models of ruled and rational surfaces (with Yu. R. Vainberg). *Russian: In: Algebraic surfaces, ed. by I. R. Shafarevich, Trudy MIAN*, 75 (1965), 75–91.

25. Algebraic topology of algebraic varieties. *Russian: Uspekhi Mat. Nauk*, 20:6 (1965), 3–12.

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26. Rational surfaces over perfect fields. *Russian: Publ. Math. IHES, vol. 30 (1966), 415–457. English: AMS Translations (ser. 2), 84 (1969), 137–186.*

27. Differential forms and sections of elliptic pencils. *Russian: In: Contemporary Problems of the Theory of Analytic Functions, Nauka, Moscow, 1966, 224–229.*

28. Two theorems on rational surfaces. In: *Simp. Int. di Geom. Algebraica, Roma, 1966, 198–207.*

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29. Rational G -surfaces. *Russian: Doklady AN SSSR, 1175:1 (1967), 28–30.*

30. Rational surfaces over perfect fields. II. *Russian: Mat. Sbornik, 72:2 (1967), 161–192. English: Math. USSR Sbornik, 1 (1967), 141–168.*

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32. Rational surfaces and Galois cohomology. In: *Proc. Moscow ICM, MIR, Moscow 1968, 495–509.*

33. On some groups related to cubic surfaces. In: *Algebraic geometry. Tata Press, Bombay, 1968, 255–263.*

34. Cubic hypersurfaces. I. Quasigroups of point classes. *Russian: Izv. AN SSSR, ser. mat., 32:6 (1968), 1223–1244. English: Math USSR – Izvestia, 2 (1968), 1171–1191.*

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38. Cubic hypersurfaces. III. Moufang loops and Brauer equivalence. *Russian: Mat. Sbornik, 79:2 (1969), 155–170. English: Math. USSR–Sbornik, 24:5 (1969), 1–89.*

39. Lectures on the K -functor in algebraic geometry. *Russian: Uspekhi Mat. Nauk, 24:5 (1969), 3–86. English: Russian Math. Surveys, 24:5 (1969), 1–89.*

40. Comments on the five Hilbert's problems. *Russian: In "Hilbert Problems", Nauka, Moscow, 1969, 154–162, 171–181, 196–199.*

41. Regular elements in the Cremona group. *Russian: Mat. Zametki, 5:2 (1969), 145–148.*

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42. The refined structure of the Néron-Tate height. *Russian: Mat. Sbornik*, 83:3 (1970), 331–348. *English: Math. USSR-Sbornik*, 12 (1970), 325–342.
43. Le groupe de Brauer-Grothendieck en géométrie diophantienne. *In: Actes Congr. Int. Math. Nice, Gauthier-Villars 1970, vol. 1, p. 401–411.*
44. Lectures on Algebraic Geometry I: Affine Schemes. *Russian: Moscow University, 1970, 133 pp.*

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45. Three-dimensional quartics and counterexamples to the Lüroth conjecture (with V.A.Iskovskih). *Russian: Mat. Sbornik*, 86:1 (1971) 140–166. *English: Math. USSR-Sbornik*, vol. 15 (1972), 141–166.
46. Cyclotomic fields and modular curves. *Russian: Uspekhi Mat. Nauk*, 26:6 (1971), 7–71. *English: Russian Math. Surveys*, 26: (1971), 7–78.
47. Mordell-Weil theorem. *Russian: Appendix to “Abelian Varieties” by D. Mumford, Mir, Moscow, 1971, 17 pp.*
48. Letter to the Editor, *Russian: Mathematics of the USSR-Sbornik*, 1971, Volume 15, Issue 4, 642.

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51. Cubic Forms: Algebra, Geometry, Arithmetic. *Russian: Nauka, Moscow, 1972, 304 pp.*

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55. Hilbert’s tenth problem. *Russian: In: Sovr. Probl. Mat.*, 1 (1973), 5–37. *English: Journ of Soviet Math.*

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57. p -adic Hecke series of imaginary quadratic fields (with M.M.Vishik). *Russian: Mat. Sbornik*, 95:3 (1974), 357–383. *English: Math. USSR Sbornik*, 24:3 (1974), 345–371.

58. p -adic automorphic functions. *Russian: In: Sovrem. Probl. Mat.*, vol. 3 (1974), 5–92. *English: Journ. of Soviet Math.*, 5 (1976), 279–333.

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68. Letter to the editors: Corrections to my translation of The connection between the E7-geometry and the configuration of the 28 double tangents to a fourth order curve by H. Freudenthal, *Russian: Uspekhi Mat. Nauk*, 1977, Volume 32, Issue 5, 235

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89. Mathematics and Physics. *Russian: Znaniye, Moscow, 1979, 63 pp.*

90. Provable and Unprovable. *Russian: Sov. Radio, 1979, 166 pp.*

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