List of Publications of Paul Turán

Abreviations used: AMASH: Acta Math. Acad. Sci. Hungar.; PMIH: Publ. Math. Inst. Hungarian Acad. Sci.; SSMH: Studia Sci. Math. Hungar.

1. Über das zweite Hauptproblem der "Factorisatio Numerorum" (with George Szekeres), *Acta Sci. Szeged* **6** (1933), 143–154.
2. On a problem in the elementary theory of numbers (with Paul Erdös), *Amer. Math. Monthly* **41** (1934), 608–611.
3. On the number of prime divisors of integers, *Math. Fiz. Lapok* **41** (1934), 103–130. [in Hungarian]
4. On a theorem of Hardy and Ramanujan, *J. London Math. Soc.* **9** (1934), 274–276.
5. Über die arithmetischen Mittel der Fourierreihen, *J. London Math. Soc.* **10** (1935), 277–280.
6. Über einige Verallgemeinerungen eines Satzes von Hardy und Ramanujan, *L. London Math. Soc.* **11** (1936), 125–133.
7. Ein zahlentheoretischer Satz (with Paul Erdös), *Mitt. Forschungsinst. Math. Mech. Tomsk* **1** (1935), 101–103.
8. Über die Vereinfachung eines Landauschen Satzes (with Paul Erdös), *Mitt. Forschungsinst. Math. Mech. Tomsk* **1** (1935), 144–147.
9. On some sequences of integers (with Paul Erdös), *J. London Math. Soc.* **11** (1936), 261–264.
10. On interpolation, I (with Paul Erdös), *Ann. of Math.* **38** (1937), 142–155.
11. Über die Primzahlen der arithmetischen Progression, I, *Acta Sci. Szeged* **8** (1937), 226–235.
12. Über den Blochschen Satz (with Géza Grünwald), *Acta Sci. Szeged* **8** (1937), 236–240.
13. An extremal problem in the theory of determinants (with George Szekeres), *Math. Term. Tud. Értesitö* **55** (1937), 796–806. [in Hungarian]
14. Über Interpolation (with Géza Grünwald), *Ann. Scuola Norm. Sup. Pisa* (1938), 137–146.
15. Über die monotone Konvergenz der Cesáro–Mittel bei Fourier- und Potenzreihen, *Proc. Cambridge Philos. Soc.* **34** (1938), 134–143.
16. On interpolation II (with Paul Erdös), *Ann. of Math.* **39** (1938), 702–724.
17. Über die Partial-summen der Fouriereihen, *J. London Math. Soc.* **13** (1938), 278–282.
18. Über die Ableitung von Polynomen, *Compositio Math.* **7** (1939), 88–95.
19. Über die Primzahlen der arithmetischen Progression, II, *Acta Sci. Szeged* **9** (1939), 187–192.
20. On uniformly dense distribution of certain sequences of points (with Paul Erdös), *Ann. of Math.* **41** (1940), 162–173.
21. Extremal problems involving determinants, *Math. Term. Tud. Értesitö* **59** (1950), 95–105. [in Hungarian]
22. On interpolation, III (with Paul Erdös), *Ann. of Math.* **41** (1940), 510–553.
23. Über die Verteilung der Primzahlen, I, *Acta Sci. Szeged* **10** (1941), 81–104.
24. On a graph theoretical extremal problem, *Math. Fiz. Lapok* **48** (1941), 436–452.
25. On a problem of Sidon in additive number theory and on some related problems (with Paul Erdös), *J. London Math. Soc.* **16** (1941), 212–215.

14

26. Über die Wurzeln der Dirichletschen L-Funktionen, *Acta Sci. Szeged* **10** (1943), 188–201.
27. On rational polynomials, *Acta Sci. Szeged* **11** (1946), 106–113.
28. On a theorem of Littlewood, *J. London Math. Soc.* **21** (1946), 268–275.
29. Sur la théorie des fonctions quasi-analytiques, *C. R. Acad. Sci. Paris* **224** (1947), 1750–1752.
30. On the gap theorem of Fabry, *AMASH* **1** (1947), 21–29.
31. On Riemann's hypothesis, *Izv. Akad. Nauk SSSR* **11** (1947), 197–262.
32. On power series whose coefficients form a multiply monotonic sequence, *Memorial Volume Dedicated to Immanuel Löw* (1947), 300–305.
33. On some approximative Dirichlet polynomials in the theory of the ζ function of Riemann, *Kungl. Danske Vidensabernes Selskab. Mat.-Fys. Meddelelses* **24** (1948), 1–36.
34. On certain exponential sums, *Indag. Math.* **10** (1948), 343–352.
35. On the strong summability of the Fourier series, *J. Indian Math. Soc.* **12** (1948), 8–12.
36. On some new questions of the distribution of prime numbers (with Paul Erdős), *Bull. Amer. Math. Soc.* **54** (1948), 371–378.
37. On some examples in the theory of power series, *Bull. Amer. Math. Soc.* **54** (1948), 932–936.
38. On a problem in the theory of uniform distribution (with Paul Erdős), *Indag. Math.* **10** (1948), 370–378; 406–413.
39. On Descartes–Harriot's rule, *Bull. Amer. Math. Soc.* **55** (1949), 797–800.
40. On the distribution of real roots of almost periodical polynomials, *Publ. Math. Debrecen* **1** (1949), 38–41.
41. Commemoration, *Mat. Lapok* **1** (1949), 3–16. [in Hungarian]
42. Remark on a theorem of Fejér, *Publ. Math. Debrecen* **1** (1949), 95–97.
43. Leopold Fejér's mathematical work, *Mat. Lapok* **1** (1949), 160–170 [in Hungarian].
44. On a new method in analysis with applications, *Casopis Pest. Mat. Fys. Roc.* **74** (1949), 123–131.
45. On the distribution of roots of polynomials (with Paul Erdős), *Ann. of Math.* **51** (1950), 105–119.
46. On the theory of mechanical quadrature, *Acta Sci. Szeged A* **12** (1950), 30–37.
47. New results in number theory in the Soviet Union, *Mat. Lapok* **1** (1950), 243–266. [in Hungarian]
48. On the remainder term of the prime number formula, I, *AMASH* **1** (1950), 48–63.
49. On the zeros of the polynomials of Legendre, *Casopis Pest. Mat. Fyz. Roc.* **75** (1950), 113–122.
50. On the remainder term of the prime number formula, II, *AMASH* **1** (1950), 155–166.
51. On approximative solution of algebraic equations, *Publ. Math. Debrecen* **2** (1951), 26–42.
52. A note on Fermat's conjecture, *J. Indian Math. Soc. A* **15** (1951), 47–50.
53. On a certain point of the kinetical gas theory (with Jenö Egerváry), *Studia Math.* **12** (1951), 170–180.
54. On Carlson's theorem in the theory of ζ function of Riemann, *AMASH* **2** (1951), 39–73.
55. Approximative solution of higher degree algebraic equations, *MTA Mat. Fiz. Oszt. Közl.* **1** (1951), 279–287. [in Hungarian]
56. On some problems in the kinetic gas theory (with Jenö Egerváry), *MTA Mat. Fiz. Oszt. Közl.* **1** (1951), 303–314. [in Hungarian]
57. Two proofs of a theorem of Lajos Jánossy (with Alfréd Rényi), *MTA Mat. Fiz. Oszt. Közl.* **1** (1951), 369–370 (in Hungarian).

58. On introducing the notion of functions, manuscript, 1952. [in Hungarian]
59. On some sequences of integers, *Közep. Mat. Lapok* **8** (1954), 33–41. [in Hungarian]
60. On an application of the typical means in the theory of the ζ function of Riemann, *Comm. Sem. Math. Univ. Lund. (Volume Dedicated to M. Riesz)*, 1952, 239–252.
61. On a property of lacunary power series, *Acta Sci. Szeged.* **14** (1952), 209–218.
62. On a trigonometrical sum, *Ann. Soc. Pol. Math.* **25** (1952), 155–161.
63. New applications of a method in analysis, *MTA Mat. Fiz. Oszt. Közl.* **2** (1952), 145–153. [in Hungarian]
64. Sur l'algèbre fonctionnelle, Proceedings of the First (1950) Hung. Math. Conf., pp. 267–290, Akadémiai Kiadó, Budapest, 1952.
65. On the zeros of polynomials (with Alfréd Rényi), *AMASH* **3** (1952), 275–284.
66. "On a New Method in Analysis and Its Applications," Akadémiai Kiadó, Budapest, 1953. [in Hungarian]
67. Same book in German.
68. On a problem of Steinhaus, *Mat. Lapok* **4** (1953), 263–278. [in Hungarian]
69. On some common points in analysis and the theory of series, Yearbook of the Univ. of Budapest, 1952/1953, pp. 5–13. [in Hungarian]
70. On the theory of graphs, *Colloq. Math.* **3** (1953), 19–30.
71. On a problem of K. Zarankiewicz (with Tamás Kővári and Vera T. Sós), *Colloq. Math.* **3** (1954), 50–57.
72. Hermite expansion and strips for zeros of polynomials, *Arch. Math.* **5** (1954), 148–152.
73. On a problem of the history of Chinese mathematics, *Mat. Lapok* **5** (1954), 1–6. [in Hungarian]
74. On the zeros of Riemann's ζ function, *MTA III oszt. Közl.* **4** (1954), 357–368. [in Hungarian]
75. A second note on Fermat's conjecture (with Péter Dénes), *Publ. Math. Debrecen* **4** (1955), 28–32.
76. Life and work of Géza Grünwald, *Mat. Lapok* **6** (1955), 6–27. [in Hungarian]
77. On Lindelöf's conjecture, *AMASH* **5** (1954), 145–163.
78. On a new analytical method and its applications, *Colloq. Math.* **3** (1955), 91–112.
79. On the role of the Lebesgue functions in the theory of Lagrange interpolation (with (Paul Erdős), *AMASH* **6** (1955), 47–66.
80. Notes on interpolation, I. (On some interpolatory properties of the ultraspherical polynomials) (with János Surányi), *AMASH* **6** (1955), 67–80.
81. On some new theorems in the theory of diophantine approximations (with Vera T. Sós), *AMASH* **6** (1955), 241–257.
82. On the instability of systems of differential equations, *AMASH* **6** (1955), 257–271.
83. Distribution of digits in the factorial number system, *Mat. Lapok* **7** (1956), 71–76. [in Hungarian]
84. On a problem in the theory of determinants, *Acta Sinica* **5** (1955), 411–423.
85. Remark on the zeros of characteristic equations, *Publ. Math. Debrecen* **4** (1956), 406–410.
86. On the zeros of the ζ function of Riemann, *J. Indian Math. Sos.* **20** (1956), 17–36.
87. Über eine neue Methode der Analysis, *Wiss. Z. Humboldt-Univ. Berlin Math.-Natur. Riehe* 1955/1956, 275–279.
88. Über eine Anwendung einer neuen Methode auf die Theorie der Riemannschen Zetafunktion, *ibid.*, 281–284.
89. Remark on the preceding paper of J. W. S. Cassels, *AMASH* **7** (1956), 291–295.
90. Notes on interpolation, II (Explicit formulae) (with János Surányi), *AMASH* **8** (1957), 201–215.
91. Remark on the theory of the quasianalytical function classes, *PMIH* **1** (1956), 481–489.

92. "On a New Method in Analysis and Its Applications," Peking, 1956. [in Chinese]
93. Über lakunare Potenzreihen, *Rev. Math. Pures Appl.* **1** (1956), 27–32.
94. On the so-called density hypothesis in the theory of the ζ function of Riemann, *Acta Arith.* **4** (1958), 31–56.
95. On a theorem of Erdős–Kac (with Alfréd Rényi), *Acta Arith.* **4** (1958), 71–84.
96. Über die Potenzsummen komplexer Zahlen, *Arch. Math.* **9** (1958), 59–64.
97. On some extremal problems, *Közep. Mat. Lapok* **16** (1958), 65–69; 97–101. [in Hungarian]
98. Notes on interpolation, III (Convergence) (with János Balázs), *AMASH* **9** (1958), 195–214.
99. On an inequality, *Ann. Univ. Sci. Budapest. Eötvös Sect. Math.* **1** (1958), 3–6.
100. Remarks on the theory of diophantine approximation (with Paul Erdős and Peter Szüsz), *Colloq. Math.* **6** (1958), 119–126.
101. Notes on interpolation, IV (Inequalities) (with János Balázs), *AMASH* **9** (1958), 243–258.
102. Notes on interpolation, V (On the stability of interpolation) (with Jenő Egerváry), *AMASH* **9** (1958), 259–267.
103. A remark concerning the behavior of a power series on the periphery of its convergence circle, *Publ. Inst. Math. (Beograd)* **12** (1958), 19–26.
104. To the analytic theory of algebraic equations, *Izv. Mat. Inst.* **3** (1959), 123–137.
105. Notes on interpolation, IV (On the stability of interpolation on an infinite interval) (with Jenő Egerváry), *AMASH* **10** (1959), 55–62.
106. Notes on interpolation, VII (Convergence in infinite intervals) (with János Balázs) *AMASH* **10** (1959), 63–68.
107. Zur Theorie der Dirichletschen Reihen, Euler–Festband, 1959, 322–336.
108. Zur Theorie der algebraischen Gleichungen über endlichen Körpern (with László Rédei), *Acta Arith.* **5** (1959), 223–225.
109. On the infinite product representation of functions regular and nonvanishing in the unit circle, *Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys.* **2** (1959), 481–486.
110. On a property of the stable or conditionally stable solutions of systems of nonlinear differential equations, *Ann. Mat. Pura Appl.* **48** (1959), 333–340.
111. A note on the real zeros of Dirichlet's *L*-functions, *Acta Arith.* **5** (1959), 309–314.
112. Nachtrag zu meiner Abhandlung "On some approximative Dirichlet polynomials in the theory of the zeta function of Riemann," *AMASH* **10** (1959), 277–298.
113. On a problem from the theory of power series, *Mat. Lapok* **10** (1959), 278–282. [in Hungarian]
114. On the distribution of zeros of general exponential polynomials, *Publ. Math. Debrecen* **7** (1960), 130–136.
115. A theorem on diophantine approximation with application to Riemann's ζ function, *Acta Sci. Szeged* **21** (1960), 311–318.
116. On an improvement of some one-sided theorems of the theory of diophantine approximations, *AMASH* **11** (1960), 299–316.
117. LEOPOLD FEJÉR, 1880–1959, *Mat. Lapok* **12** (1960), 8–18. [in Hungarian]
117a. LEOPOLD FEJÉR, *Uspehi Mat. Nauk* **15** (94) (1960), 111–122. [in Russian]
118. An extremal problem in the theory of interpolation (with Paul Erdős), *AMASH* **12** (1961), 221–234.
119. Remark on a theorem of Erhard Schmidt, *Mathematica (Cluj)* **2** (25) (1960), 373–378.
120. Sur la distribution des valeurs d'une fonction entière (with László Alpár), *PMIH Ser. A* **6** (1960), 157–164.
121. On a density theorem of U. V. Linnik, *PMIH Ser. A* **6** (1960), 165–180.
122. On the eigenvalues of matrices, *Ann. Mat. Pura Appl.* **65** (1961), 397–402.

123. On some further one-sided theorems of a new type in the theory of diophantine approximation, *AMASH* **12** (1961), 455–468.

124. Notes on interpolation, VIII (Mean convergence in infinite intervals) (with János Balázs), *AMASH* **12** (1961), 469–474.

125. On some one-sided theorems of the theory of diophantine approximation, *J. Indian Math. Soc.* **24** (1960), 533–574.

126. On the monotone convergence of certain Riemann sums (with Gabor Szegö), *Publ. Math. Debrecen* **8** (1961), 326–335.

127. Research problems, *PMIH Ser. A* **6** (1961), 417–423.

128. A remark on Hermite–Fejér interpolation, *Ann. Univ. Sci. Budapest. Eötvös, Sect. Math.* **3–4** (1960/1961), 369–377.

129. On Lindelöf's conjecture concerning Riemann's ζ function, *Illinois J. Math.* **6** (1962), 95–97.

130. On some questions concerning determinants, *Ann. Polon. Math.* **12** (1962), 49–53.

131. The comparative theory of primes, I (with S. Knapowski), *AMASH* **13** (1962), 299–314.

132. The comparative theory of primes, II (with S. Knapowski), *AMASH* **13** (1962), 315–342.

133. The comparative theory of primes, III (with S. Knapowski), *AMASH* **13** (1962), 343–364.

134. On a certain problem in the theory of power series with gaps, *in* "Studies in Mathemathical Analysis and Related Topics," Essays in Honor of Geroge Pólya, Stanford University Press, Stanford, 1962.

135. An extremal problem concerning sums of powers of complex numbers and an application, *Mat. Lapok* **13** (1962), 279–288. [in Hungarian]

136. The comparative theory of primes, IV (with S. Knapowski), *AMASH* **14** (1963), 31–42.

137. The comparative theory of primes, V (with S. Knapowski), *AMASH* **14** (1963), 43–64.

138. The comparative theory of primes, VI (with S. Knapowski), *AMASH* **14** (1963), 251–268.

139. Untersuchungen über Dirichlet Polynomen, *Schr. Inst. Math. Berlin* **13** (1963), 71–79.

140. The comparative theory of primes, VII (with S. Knapowski), *AMASH* **14** (1963), 241–250.

141. The comparative theory of primes, VIII (with S. Knapowski), *AMASH* **14** (1963), 251–268.

142. The fiftieth anniversary of Paul Erdös, *Mat. Lapok* **14** (1963), 1–28. [in Hungarian]

143. Hermite expansion and distribution of zeros of polynomials (with Endre Makai), *PMIH Ser. A* **8** (1963), 157–164.

144. Diophantine approximation and applied mathematics, *Mat. Lapok* **14** (1963), 264–276. [in Hungarian]

145. Further developments in the comparative prime number theory, I (with S. Knapowski), *Acta Arith.* **9** (1964), 23–40.

146. On the distribution of values of a class of entire functions, I (with István Dancs), *Publ. Math. Debrecen* **11** (1964), 257–265.

147. On the distribution of values of a class of entire functions, II (with István Dancs), *Publ. Math. Debrecen* **11** (1964), 266–272.

148. Further developments in the comparative prime number theory, II (with S. Knapowski), *Acta Arith.* **9** (1964), 293–314.

149. On the comparative theory of primes, *Proc. Soviet Math. Conf. Leningrad* 1961 **2** (1965), 137–142.

150. A remark on the heat equation, *J. Anal. Math.* **14** (1965), 443–448.

151. On an assertion of Čebyšev (with S. Knapowski), *J. Anal. Math.* **14** (1965), 267–274.

152. Notes on interpolation, IX (Approximative representation of Fourier transform) (with János Balázs), *AMASH* **16** (1965), 215–220.

153. Further developments in the comparative prime number theory, III (with S. Knapowski), *Acta Arith.* **11** (1965), 115–127.

154. On some conjectures in the theory of numbers, *Proc. London Math. Soc. A* (3) **14** (1965), 288–299.

155. On some problems of a statistical group theory, I (with Paul Erdős), *Z. Wahrscheinlichkeitstheorie und Verw. Gebiete* **4** (1965), 175–182.

156. Further developments in the comparative prime number theory, IV (Accumulation theorems for residue classes representing quadratic non-residues mod k) (with S. Knapowski), *Acta Arith.* **11** (1965), 147–162.

157. Further developments in the comparative prime number theory, V (The use of two-sided theorems) (with S. Knapowski), *SSMH* **1** (1966), 193–202.

158. On the twin prime problem, I, *PMIH Ser. A* **9** (1964), 247–262.

159. On the constructive theory of functions, I (with Peter Szüsz), *PMIH Ser. A* **9** (1964), 495–502.

160. On a characterisation of Dirichlet's *L*-functions, *Ann. Univ. Sci. Budapest. Eötvös. Sect. Math.* **8** (1965), 65–69.

161. On a new direction in approximation theory (with Peter Szüsz), *MTA Mat. Fiz. Oszt. Közl.* **16** (1966), 33–46. [in Hungarian]

162. On some problems in the comparative prime number theory, *Mat. Lapok* **17** (1966), 19–32. [in Hungarian]

163. On the constructive theory of functions, II (with Peter Szüsz), *SSMH* **1** (1966), 65–70.

164. Further developments in the comparative prime number theory, VI (with S. Knapowski), *Acta Arith.* **12** (1966), 85–96.

165. On the approximation of piecewise analytic functions by rational functions, *in* "Contemporary Problems of Analytic Function Theory," pp. 296–299, Erevan, 1967.

166. On the constructive theory of functions, III (with Peter Szüsz), *SSMH* **1** (1966), 315–322.

167. On some function theoretic sieve methods in number theory, *Dokl. Akad. Nauk SSSR* **171** (1966), 1289–1292. [in Russian]

168. On some problems of statistical group theory (with Paul Erdős), *MTA III Oszt. Közl.* **17** (1967), 51–58. [in Hungarian]

169. On some problems in the theory of meachnical quadrature, *Mathematica (Cluj)* **8** (41) (1966), 181–192.

170. Some function theoretic sieve methods in the theory of numbers, *Soviet Math. Dokl.* **7** (1966), 1661–1664.

171. On some problems of a statistical group theory, II (with Paul Erdős), *AMASH* **18** (1967), 151–163.

172. Remarks on the preceding paper of J. Clunie entitled "An equivalent power series." *AMASH* **18** (1967), 171–173.

173. On the twin prime problem, II, *Acta Arith.* **13** (1967), 61–90.

174. On some problems of a statistical group theory, III (with Paul Erdős), *AMASH* **18** (1967), 309–320.

175. On the twin prime problem, III, *Acta Arith.* **14** (1968), 399–408.

176. On some problems of a statistical group theory (with Paul Erdős). *AMASH* **19** (1968), 413–436.

177. On an inequality of Chebyshev, *Ann. Univ. Sci. Budapest. Eötvös, Sect. Math.* **11** (1968) 15–16.

178. Approximative solutions of algebraic equations, *MTA III Oszt. Közl.* **18** (1968), 223–236. [in Hungarian]

179. Über die angenäherte Bestimmung von Wurzeln algebraischer Gleichungen und Eigenwerten von Matrizen, Proc. Fourth Internationl Conf. on Applications of Math. in Engineering Sciences, Weimar, 1967, pp. 209–216.

180. Über einige Fragen der vergleichenden Primzahlentheorie (with S. Knapowski), *Abh. Zahlenth. Anal. VEB Deutsch. Verl. Wiss. Berlin* (1968), 159–171.

181. On the distribution of roots of Riemann zeta and allied functions, I (with Gábor Halász), *J. Number Theory* **1** (1969), 122–137.

182. Translations from H. Cremer's "Carmina Mathematica," *Mat. Lapok* **19** (1968), 373–375. [in Hungarian]

183. On a certain limitation of eigenvalues of matrices, *Aequationes Math.* **2** (1969), 184–189.

184. On some statistical properties of the alternating group of degree n (with József Dénes and Paul Erdös), *Enseignement Math.* **15** (1969), 89–99.

185. A remark on linear differential equations, *AMASH* **20** (1969), 357–360.

186. On a problem concerning the zeros of Dirichlet's L-functions, *Publ. Ramanujan Inst.* **1** (1969), 95–100.

187. ζ roots and prime numbers, *Colloq. Math. Soc. János Bolyai* **2** (1969), 205–216.

188. Applications of graph theory to geometry and potential theory, Proceedings, Calgary Intern. Conf. on Combinatorial Structures, 1969, pp. 423–434.

189. On some connections between combinatorics and group theory, *Colloq. Math. Soc. János Bolyai* **4** (1969), 1055–1082.

190. Analysis and diophantine approximation, *Symp. Mat. Inst. Naz. Alta Mat.* **4** (1970), 133–153.

191. Remarks on orthogonal polynomials, *Mat. Lapok* **20** (1969), 305–310. [in Hungarian]

192. Life and work of Kató Rényi, *Mat. Lapok* **20** (1969), 219–229. [in Hungarian]

193. On the work of Alan Baker, Rapports sur les Médailles Fields, Actés Cong. Int. Math., Vol. 1, pp. 3–5, Gauthier–Villars, Paris, 1971.

194. On the distribution of roots of Riemann ζ and allied functions, II (with Gábor Halász), *AMASH* **21** (1970), 403–419.

195. On some applications os graph theory, II (with Paul Erdös, A. Meir and Vera T. Sós), *in* "Studies in Pure Mathematics" (L. Mirsky, Ed.), pp. 89–100, Academic Press, New York, 1971.

196. On some recent results in the analytic theory of numbers, *Proc. Symp. Pure Math.* **20** (1971), 359–374.

197. On some problems in a statistical group theory, V (with Paul Erdös), *Period. Math.* **1** (1971), 5–13.

198. A general inequality of potential theory, Proc. NRL Conf. on Classical Function Theory, 1970, Naval Research Laboratory, Washington, D.C., 1970, pp. 137–141.

199. On some general problems in the theory of partitions, I (with Paul Erdös), *Acta Arith.* **18** (1971), 53–62.

200. Remark on the packing constants of the unit ball, *Mat. Lapok* **21** (1970), 39–44. [in Hungarian]

201. The work of Alfréd Rényi, *Mat. Lapok* **21** (1971), 199–210. [in Hungarian]

202. Diophantine approximation and analysis, Actés Cong. Int. Math., pp. 519–528, Gauthier–Villars, Paris, 1971.

203. On a trigonometric inequality, Proc. Conf. Constructive Theory of Functions, pp. 505–512, Akadémiai Kiadó, Budapest, 1972.

204. Commemoration on Stanislas Knapowski, *Colloq. Math.* **23** (1971), 309–321.

205. On some applications of graph-theory to analysis, *in* "Constructive Theory of Functions" (Proc. Int. Conf., Varna, 1970), pp. 351–358, Izd. Bolgar. Akad. Nauk, Sofia, 1972. [in Russian]

206. On some problems of a statistical group theory, VI, *J. Indian Math. Soc.* **34** (1970), 175–192.
207. On some applications of graph theory, III (with Paul Erdös, A. Meir and Vera T. Sós). *Canad. Math. Bull.* **15** (1972), 27–32.
208. On some applications of graph theory, I (with Paul Erdös, A. Meir and Vera T. Sós), *Discrete Math.* **2** (1972), 207–228.
209. On some problems of a statistical group theory, VII (with Paul Erdös), *Period. Math.* **2** (1972), 149–163.
210. Further developments in the comparative prime number theory, VII (with S. Knapowski), *Acta Arith.* **20** (1972), 193–201.
211. New results and applications of the theory of diophantine approximations, in "Diophantine Approximation and Its Applications" (Proc. Conf., Washington, D.C., 1972), (C. F. Osgood, Ed.), pp. 309–326, Academic Press, New York, 1973.
212 Exponential sums and the Riemann conjecture, *Proc. Symp. Pure Math.* **24** (1973), 305–314.
213. Über die Siegel Nullstelle der Dirichletschen Funktionen, *Acta Arith.* **24** (1973), 135–141.
214. Investigations in the powersum theory, I (with I. Dancs). *Ann. Univ. Sci. Budapest. Eötvös, Sect. Math.* **16** (1973), 47–52.
215. Investigations in the powersum theory, II (with I. Dancs), *Acta Arith.* **25** (1973), 104–113.
216. On a property of rational functions (with Q. I. Rahman), *Ann. Univ. Sci. Budapest. Eötvös, Sect. Math.* **16** (1973), 37–45.
217. On some phenomena and problems of the powersum-method. Proceedings, Symp. on Complex Analysis (University of Kent, Canterbury, 1973) (J. Clunie and W. K. Hayman, Eds.), pp. 129–131, Cambridge Univ. Press, London, 1974.
218. On a property of partitions, *J. Number Theory* **6** (1974), 405–411.
219. Combinatorics, partitions, group theory, Proc. Coll. Int. sulle Teorie Combinatorie, Rome, 1973; *Atti Convegni Lincei* **17** (1976), 181–200.
220. Powersum method and the approximative solution of algebraic equations, *Math. Comp.* **29** (1975), 311–318.
221. Investigations in the powersum theory, III (with I. Dancs), *Ann. Mat. Pura Appl.* **103** (1975), 199–205.
222. Investigations in the powersum theory, IV (with I. Dancs), *Publ. Math. Debrecen* **22** (1975), 123–131.
223. On some phenomena in the theory of partitions, in "Journées Arithmétiques de Bordeaux" (Conf., Univ. Bordeaux, Bordeaux, 1974); Astérisque, Nos. 24–25, Paris. 1975, pp. 311–319.
224. Remark to a theorem of N. Wiener, "Papers Dedicated to Prof. Ilieff's 60th Anniversary," pp. 479–483, Sofia, 1975.
225. On orthogonal polynomials, *Anal. Matem.* **1** (1975), 297–312.
226. On the lastent roots of λ matrices, *Comp. Math. Appl.* **1** (1975), 307–313.
227. On the sign changes of $(\pi(x) - lix)$, I (with S. Knapowski), *Colloq. Math. Soc. János Bolyai* **13** (1976), 153–170.
228. Investigations in the powersum theory, V (with I. Dancs), *Publ. Math. Debrecen* **23** (1976), 299–307.
229. Investigations in the powersum theory, VI (with I. Dancs), to appear.
230. Invesgigations in the powersum theory, VII (with I. Dancs), to appear.
231. On the sign changes of $(\pi(x) - lix)$, II (with S. Knapowski), *Monatsh. Math.* **82** (1976), 153–175.

232. On a phenomenon concerning (0,2) interpolation (with Q. I. Rahman and S. Schmesser), *Period. Math.* **9** (1978), 163–171.

233. Some open problems in approximation theory, *Mat. Lapok* **25** (1974), 21–75. [in Hungarian]

234. On some open problems in approximation theory, *J. Approximation Theory* **29** (1980), 23–85.

235/236. On some open problems of the statistical theory of partitions with application to characters of the symmetric group I, II (with Mihály Szalay), *AMASH* **29** (1977), 361–379; 381–392.

237. On prime numbers $\equiv$ 1 resp. 3 (mod 4) (with S. Knapowski), *in* "Number Theory and Algebra," pp. 157–165, Academic Press, New York, 1977.

238. Remarks on the characters belonging to the irreducible representation of the symmetric group S_n of n letters, *Colloq. Math. Soc. János Bolyai* **19** (1979), 871–875.

239. A note of welcome, *J. Graph Theory* **1** (1977), 7–9.

240. On some problems of the statistical theory of partitions with application to characters of the symmetric group, III (with Mihály Szalay), *AMASH* **32** (1978), 129–155.

241. On a problem of E. Landau, Proceedings, Rolf. Nevanlinna Symp., Istanbul, 1978, pp. 131–142.

242. An unusual life, Ramanujan, I, *Közép. Mat. Lapok* **55** (1977), 49–54; 97–106. [in Hungarian]

243. On a problem of E. Landau, *Acta Arith.* **36** (1980).

244. Commemoration of mathematicians who were victims of fascism, *Mat. Lapok* **25** (1974), 259–263. [in Hungarian]

245. On a New Method in Analysis and Its Application, Wiley–Interscience, New York, to appear.

Edited by Paul G. Nevai