

## LIST OF PUBLICATIONS

*Imre Kátai*

1. On certain sets of integers, *Annales Univ. Sci. Budapest. Sect. Math.*, **6** (1963), 43-48.
2. Асимптотическая формула в теории чисел, *Annales Univ. Sci. Budapest. Sect. Math.*, **6** (1963), 83-87.
3. Zur Statistik der Primfaktoren der natürlichen Zahlen, *Annales Univ. Sci. Budapest. Sect. Math.*, **7** (1964), 59-66. (mit F. Gyapjas).
4. Eine Bemerkung zur "Comparative prime number theory I-VII" von S. Knapowski und P. Turán, *Annales Univ. Sci. Budapest. Sect. Math.*, **7** (1964), 73-78.
5. Zur Gleichverteilung modulo Eins, *Annales Univ. Sci. Budapest. Sect. Math.*, **7** (1964), 73-78.
6. Счет целых точек в круге, *Annales Univ. Sci. Budapest. Sect. Math.*, **8** (1965), 39-60.
7. О разностях простых чисел, *Annales Univ. Sci. Budapest. Sect. Math.*, **8** (1965), 61-64.
8. Egy eloszlásprobléma a számelméletben, *MTA III. Oszt. Közl.*, **15** (1965), 5-8.
9. A Möbius-féle  $\mu$ -függvényről, *MTA III. Oszt. Közl.* **15** (1965), 9-13.
10. A Möbius-függvény számtani közepének  $\Omega$ -becslése, *MTA III. Oszt. Közl.*, **15** (1965), 15-18.
11. *Vizsgálatok az összehasonlító prímszámelmélet téma körében*, kandidátusi értekezés, Budapest, 1965.
12.  $\Omega$ -теоремы для распределения простых чисел, *Annales Univ. Sci. Budapest. Sect. Math.*, **9** (1966), 87-93.
13. Об оценке типа  $\Omega$  для функции Рамануджана, *Annales Univ. Sci. Budapest. Sect. Math.*, **9** (1966), 95-102.
14. On the theory of multiplicative functions, *Annales Univ. Sci. Budapest. Sect. Math.*, **9** (1966), 147-155. (with K. Corrádi)

15. Egy számelméleti függvény vizsgálata, *MTA III. Oszt. Közl.*, **16** (1966), 233-238.
16. Egy megjegyzés H. Delange "Sur un théorème de Rényi" című dolgozatához, *MTA III. Oszt. Közl.*, **16** (1966), 269-273.
17. Omega típusú vizsgálatok a prímszámelméletben, *MTA III. Oszt. Közl.*, **16** (1966), 369-396.
18. Korrektion zu meiner Arbeit "Zur Gleichverteilung modulo Eins", *Annales Univ. Sci. Budapest. Sect. Math.*, **9** (1966), 94.
19. О сравнительной теории простых чисел, *Acta Math. Hungar.*, **18** (1-2) (1967), 133-149.
20. Egy megjegyzés Ju.V. Linnik egy dolgozatához, *MTA III. Oszt. Közl.*, **17** (1967), 99-100.
21. On multiplicative characters, *Acta Sci. Math. Szeged* **28** (1967), 71-76. (with K. Corrádi)
22. Some remarks concerning the stable sequences of random variables, *Publ. Math. Debrecen*, **14** (1967), 227-238. (with J. Mogyoródi)
23. An example in the theory of Fourier-series, *Acta Sci. Math. Szeged*, **17** (1967), 77-83. (with K. Corrádi)
24. Egy megjegyzés K.S. Gangadharan "Two classical lattice point problems" című dolgozatához, *MTA III. Oszt. Közl.*, **17** (1967), 89-97. (with K. Corrádi)
25. Egy irregularitási jelenség a számelméletben, *MTA III. Oszt. Közl.*, **17** (1967), 85-88.
26. On investigations in the comparative prime number theory, *Acta Math. Hungar.*, **18** (3-4) (1967), 133-149.
27. On oscillation of number theoretical functions, *Acta Arith.*, **3** (1967), 107-122.
28. A kvadratikus maradékok elméletéhez, *Matematikai Lapok*, **18** (1967), 75-81. (with K. Corrádi)
29. A remark on additive arithmetical functions, *Annales Univ. Sci. Budapest. Sect. Math.*, **10** (1967), 81-83.
30. On the sum of digits of prime numbers, *Annales Univ. Sci. Budapest. Sect. Math.*, **10** (1967), 89-93.
31. On the theory of power series, *Annales Univ. Sci. Budapest. Sect. Math.*, **10** (1967), 129-139. (with K. Corrádi)
32. A  $dd(n)$  függvény eloszlásáról, *MTA III. Oszt. Közl.*, **17** (1967), 447-454.

33. A  $d(n)$  függvény lokális viselkedéséről, *Matematikai Lapok*, **18** (1967), 297-302.
34. *Számelméleti függvényekről*, doktori értekezés, Budapest, 1967.
35. On sets characterizing number-theoretical functions, *Acta Arith.*, **13** (1968), 315-320.
36. On the distribution of digits, *Publ. Math. Debrecen*, **15** (1968), 57-63. (with J. Mogyoródi)
37. A note on a sieve method, *Publ. Math. Debrecen*, **15** (1968), 69-75.
38. On the sum  $\sum dd(n)$ , *Acta Sci. Math. Szeged*, **29** (1968), 199-206.
39. On oscillation of number of primes in arithmetical progressions, *Acta Sci. Math. Szeged*, **29** (1968), 271-282.
40. A remark on number-theoretical functions, *Acta Arith.*, **14** (1968), 409-415.
41. Characterization of additive function by its local behaviour, *Annales Univ. Sci. Budapest. Sect. Math.*, **12** (1968), 35-37.
42. Some problems in the iteration of multiplicative number theoretical functions, *Acta Math. Hungar.*, **19** (1968), 441-450.
43. On a classification of primes, *Acta Sci. Math. Szeged*, **29** (1968), 207-213.
44. Statistical theorems for the number of prime factors of integers, *Annales Univ. Sci. Budapest. Sect. Math.*, **11** (1968), 71-78.
45. Polinomok helyettesítési értékeinek legnagyobb közös osztójáról, *Matematikai Lapok* **19** (1968), 93-100.
46. Prímosztók számának becslése diofantikusan sima sorozatokon, *MTA III. Oszt. Közl.*, **18** (1968), 147-154.
47. On number-theoretical functions, *Colloquia Math. 2. Number Theory, Debrecen 1968*, 113-137.
48. Számelméleti problémák I., *Matematikai Lapok*, **19** (1968), 317-325.
49. On sets characterizing number-theoretical functions II., *Acta Arith.*, **16** (1969), 1-4.
50. On the density of certain sequences of integers, *Publ. Math. Debrecen*, **16** (1969), 17-23. (with J. Mogyoródi)
51. On distribution of arithmetical functions on the set of prime plus one, *Compositio Math.*, (1969), 278-288.
52. On the iteration of the divisor-function, *Publ. Math. Debrecen*, **16** (1969), 3-15.

53. Some problems concerning to the convolutions of number-theoretical functions, *Archiv der Math.*, **20** (1969), 24-29. (with K. Corrádi).
54. Some algorithms for the representation of natural numbers, *Acta Sci. Math. Szeged*, **30** (1969), 99-105.
55. On the distribution of arithmetical functions, *Acta Math. Hungar.*, **20** (1969), 69-87.
56. On the number of solutions of a Diophantine system, *Acta Math. Hungar.*, **20** (1969), 185-191. (with J. Mogyoródi)
57. Some results and problems in the theory of additive functions, *Acta Sci. Math. Szeged*, **30** (1969), 306-312.
58. A note on combinatorics, *Annales Univ. Sci. Budapest. Sect. Math.*, **12** (1969), 101-106. (with K. Corrádi)
59. On the sum  $\sum d(n)$ , *Acta Sci. Math. Szeged*, **30** (1969), 313-324. (with P. Erdős)
60. On the growth of  $d_k(n)$ , *Fibonacci Quarterly*, **7** (1969), 267-274. (with P. Erdős)
61. On the determination of an additive arithmetical function by its local behaviour, *Coll. Math.*, **20** (1969), 269-271.
62. Egy lokális határeloszlástétel a számelméletben, *Matematikai Lapok*, **20** (1969), 137-140.
63. A note on a paper of Gordon and Rogers, *Annales Univ. Sci. Budapest. Sect. Math.*, **12** (1969), 29-33.
64. On the values of multiplicative functions on short intervals, *Math. Annalen*, **183** (1969), 181-184.
65. Some remarks on additive arithmetical functions, *Lietuvos Mat. Rin.*, **9** (1969), 515-518.
66. On an algorithm for additive representation of integers by prime numbers, *Annales Univ. Sci. Budapest Sect. Math.*, **12** (1969), 23-27.
67. Speciális diophantikus egyenletek megoldásainak eloszlása, *Matematikai Lapok*, **20** (1969), 117-122.
68. On an application of the large sieve, *Acta Math. Hungar.*, **21** (1970), 151-173.
69. On a problem of P. Erdős, *J. Number Theory*, **2** (1970), 1-6.
70. Additive zahlentheoretische Funktionen und das Mass der Information, *Annales Univ. Sci. Budapest. Sect. Math.*, **13** (1970), 83-88. (mit Z. Daróczy)

71. Convolutions of sequences, *Annales Univ. Sci. Budapest. Sect. Math.*, **13** (1970), 73-76.
72. On additive representation of integers, *Annales Univ. Sci. Budapest. Sect. Math.*, **13** (1970), 71-81.
73. *Matematikai statisztika* (matematikai jegyzetek geofizikusok számára), MTESZ, Budapest, 1970.
74. Számelméleti függvényekről, *MTA III. Oszt. Közl.*, **20** (1971), 277-289.
75. Local growth of the number of prime divisors of consecutive integers, *Publ. Math. Debrecen*, **18** (1971), 171-175.
76. Non-complete sums of multiplicative functions, *Periodica Math. Hung.*, **1** (1971), 209-212. (with P. Erdős)
77. On random multiplicative functions, *Acta Sci. Math. Szeged*, **33** (1972), 81-89.
78. Bemerkung zur Konvergenz der Entwicklungen nach vorzeichensartigen orthonormierten Systemen, *Acta Math. Hungar.*, **13** (1972), 519-529. (mit K. Tandori)
79. A note on a paper of E. Hlawka, *Annales Univ. Sci. Budapest. Sect. Math.*, **15** (1972), 109-110.
80. On monotonic additive functions, *Acta Math. Hungar.*, **24** (1973), 203-208. (with A. Iványi)
81. *Numerikus analízis* (egyetemi jegyzet), Tankönyvkiadó, Budapest, 1973.
82. *Bevezetés a matematikába* (egyetemi jegyzet), Tankönyvkiadó, Budapest, 1974. (with L. Dringó)
83. Maximum of number-theoretical functions in short intervals, *Annales Univ. Sci. Budapest. Sect. Math.*, **18** (1975), 69-74.
84. Canonical number-systems for complex integers, *Acta Sci. Math. Szeged*, **37** (1975), 255-260. (with J. Szabó)
85. Some problems on arithmetical functions, *Tagungsbericht Oberwolfach*, **44** (1975), 13-14.
86. Lower and upper estimates for speed of computers with blocked memory, preprint, ELTE TTK, Budapest, 1975, 1-14. (with A. Iványi)
87. *Bevezetés a numerikus analízisbe* (egyetemi jegyzet), Tankönyvkiadó, Budapest, 1975.
88. A remark on  $q$ -additive and  $q$ -multiplicative functions, *Colloquia Math. Societatis János Bolyai* **13. Topics in Number Theory, Debrecen 1974**, North-Holland, 1976, 141-151.

89. On a transformation of power series, *Analysis Math.*, **2** (1976), 3-10.
90. A result on consecutive primes, *Acta Math. Hungar.*, **27** (1976), 153-159.
91. The distribution of divisors mod 1, *Acta Math. Hungar.*, **27** (1976), 149-159.
92. Integers with many prime factors in diophantiney smooth sequences, *Lietuvos Mat. Rin.*, **16** (1976), 93-102.
93. Distribution mod 1 of additive functions on the set of divisors, *Acta Arith.*, **30** (1976), 209-212.
94. Convolution of sequences in Dirichlet sense, *Annales Univ. Sci. Budapest. Sect. Math.*, **19** (1976), 79-82. (with H. Menzer)
95. Distinct values of number-theoretic functions, *Annales Univ. Sci. Budapest. Sect. Math.*, **19** (1976), 83-86. (with K. Kántor)
96. On the distribution of lattice points on circles, *Annales Univ. Sci. Budapest. Sect. Math.*, **19** (1976), 87-91. (with I. Környei)
97. Estimates for speed of computers with interleaved memory systems, *Annales Univ. Sci. Budapest. Sect. Math.*, **19** (1976), 159-164. (with A. Iványi)
98. On a subsequence of primes, *Publ. Math. Debrecen*, **23** (1976), 267-269.
99. On the speed of computers with paged and interleaved memory, *MTA SZTAKI Közl.*, **18** (1977), 105-117. (with A. Iványi)
100. The distribution of additive functions on the set of divisors, *Publ. Math. Debrecen*, **24** (1977), 91-96.
101. Distribution of digits in canonical representation of Gaussian integers, *Annales Univ. Sci. Budapest. Sect. Math.*, **20** (1977), 183-189.
102. On additive functions having non-decreasing order, *Colloquium Math.*, **37** (1977), 153-157.
103. On the sum of digits of primes, *Acta Math. Hungar.*, **30** (1977), 169-173.
104. On consecutive primes, *Acta Math. Hungar.*, **30** (1977), 163-167.
105. Change of the sum of digits by multiplication, *Acta Sci. Math. Szeged*, **39** (1977), 319-328.
106. Research problems in number theory, *Publ. Math. Debrecen*, **24** (1977), 263-276.
107. On the growth of arithmetical functions, *Tagungsbericht Oberwolfach*, **43** (1977), 14.

108. Átfedéses memóriájú számítógépek teljesítményéről, *Alk. Mat. Lapok*, **3** (1977), 1-11. (with A. Iványi)
109. On the performance of computers with interleaved memory, *Selected papers on Operating Systems*, SZÁMKI, 1978, 205-216. (with A. Iványi)
110. Computation of the eigensystem of Toeplitz band matrices, *Annales Univ. Sci. Budapest. Sect. Comp.*, **1** (1978), 3-7. (with E. Rahmy)
111. Computation of the eigensystem of symmetric five diagonal Toeplitz matrices, *Annales Univ. Sci. Budapest. Sect. Comp.*, **1** (1978), 9-17. (with E. Rahmy)
112. Processing of random sequences with priority, *Acta Cybernetica*, **4** (1978), 85-102. (with A. Iványi)
113. On additive functions, *Publ. Math. Debrecen*, **25** (1978), 251-258.
114. On the concentration of distribution of additive functions, *Acta Sci. Math. Szeged*, **41** (1979), 295-305. (with P. Erdős)
115. Inversion of block Toeplitz and Hankel matrices, *Publ. Math. Debrecen*, **26** (1979), 139-147. (with E. Rahmy)
116. Divisibility properties of arithmetical functions, *Publ. Math. Debrecen*, **26** (1979), 55-63.
117. On the growth of some additive functions in small intervals, *Acta Math. Hungar.*, **33** (1979), 345-359. (with P. Erdős)
118. Computation of the determinant of five diagonal symmetric Toeplitz matrices, *Annales Univ. Sci. Budapest. Sect. Comp.*, **2** (1979), 13-21. (with E. Rahmy)
119. On the maximal value of additive functions in short intervals and on some related questions, *Acta Math. Hungar.*, **35** (1980), 257-278. (with P. Erdős)
120. Kanonische Zahlensysteme bei reellen quadratischen algebraischen Zahlen, *Acta Sci. Math. Szeged*, **42** (1980), 99-107. (mit B. Kovács)
121. Matematikai modellezés és számítástechnikai realizációk, *Fizikai Szemle*, **30** (7) (1980), 256-258.
122. *Mathematical models of the electromagnetic sounding and mapping in geophysics*, eds. V.I. Dmitriev and I. Kátai, ELTE, Budapest, 1980.
123. Математическое моделирование и численные исследования задач электромагнитных зондирований, *Mathematical models of the electromagnetic sounding and mapping in geophysics*, Budapest, 1980, 3-13. (с А.Н. Тихоновым, В.И. Дмитриевым и Л. Сабадвари)

124. On arithmetical functions defined by some expansions, *Tagungsbericht Oberwolfach*, **48** (1980), 15.
125. *Szimulációs módszerek* (egyetemi jegyzet), Tankönyvkiadó, Budapest, 1981.
126. Parallel processing of random sequences with priority, *Pannonian Symp. on Math. Stat., Bad Tatzmannsdorf, 1979*, Lecture Notes in Statistics **8**, Springer, Akadémiai Kiadó, Budapest, 1981, 122-139. (with A. Iványi)
127. A correction to the paper: "On the maximal value of additive functions in short intervals and on some related questions", *Acta Math. Hungar.*, **37** (1981), 499.
128. Canonical number systems in imaginary quadratic fields, *Acta Math. Hungar.*, **37** (1981), 159-164. (with B. Kovács)
129. Some remarks concerning the sum of digits of integers, *Acta Math. Hungar.*, **37** (1981), 165-172. (with L. Dringó)
130. Additive functions with regularity properties, *Acta Sci. Math. Szeged*, **44** (1982), 299-305.
131. Processing of independent Markov chains, *Annales Univ. Sci. Budapest. Sect. Comp.*, **3** (1982), 33-46. (with A. Iványi)
132. Some problems in number theory, *Studia Sci. Math. Hung.*, **16** (1983), 289-295.
133. Characterization of  $\log n$ , *Studies in Pure Mathematics. To the Memory of Paul Turán*, Birkhäuser, Basel, 1983, 415-421.
134. On arithmetic functions with regularity properties, *Acta Sci. Math. Szeged*, **45** (1983), 253-260.
135.  $M$ -additive functions I., *Acta Math. Hungar.*, **41** (1983), 255-277.
136. Multiplicative functions with regularity properties I., *Acta Math. Hungar.*, **42** (1983), 295-308.
137. A minimax theorem for additive functions, *Publ. Math. Debrecen*, (1983), 249-252.
138. Distribution of  $q$ -additive functions on the set of primes, *Tagungsbericht Oberwolfach*, **44** (1984), 10.
139. Multiplicative functions with regularity properties II., *Acta Math. Hungar.*, **43** (1984), 105-130.
140. Multiplicative funtions with regularity properties III., *Acta Math. Hungar.*, **43** (1984), 259-272.

141. Multiplicative functions with regular properties IV., *Acta Math. Hungar.*, **44** (1984), 125-132.
142. On additive functions satisfying a congruence, *Acta Sci. Math. Szeged*, **47** (1984), 85-92.
143. Some remarks on  $q$ -additive and additive functions, *Topics in classical number theory (Budapest, 1981)*, Colloq. Math. Soc. János Bolyai **34**, North-Holland, Amsterdam, 1984, 491-510.
144. *Mathematical models in physics and chemistry and numerical methods of their realization. Proc. Sem. Visegrád, 1982*, eds. A. Samarskij and I. Kátai, Teubner-Texte zur Mathematik **61**, Teubner, Leipzig, 1984.
145. A remark on a paper of K. Ramachandra, *Proc. of Number Theory Conference, Ootacamund, 1984*, Lecture Notes in Math. **1122**, Springer Verlag, 1985, 147-152.
146. Multiplicative functions with regularity properties V., *Acta Math. Hungar.*, **45** (1985), 379-380.
147. Multiplicative functions with nearly integer values, *Acta Sci. Math. Szeged*, **48** (1985), 221-225. (with B. Kovács)
148. Моделирование бесприоритетного режима с блочной памятью при полной информации, *Автоматика и телемеханика*, (4) (1985), 129-136. (с А. Ивани)
149. On additive number-theoretical functions with values in a compact Abelian group, *Aequationes Math.*, **28** (1985), 288-292. (with Z. Daróczy)
150. A remark on additive functions satisfying a relation, *Annales Univ. Sci. Budapest. Sect. Math.*, **27** (1985), 229-233.
151. Interval filling sequences, *Annales Univ. Sci. Budapest. Sect. Comp.*, **6** (1985), 53-63. (with Z. Daróczy and A. Járai)
152. Some remarks on  $q$ -additive functions, *Annales Univ. Sci. Budapest. Sect. Math.*, **28** (1985), 271-278. (with J. Fehér)
153. Intervallfüllende Folgen und volladditive Funktionen, *Rep. of Meeting, Aequationes Math.*, **29** (1985), 66-67. (with A. Járai and Z. Daróczy)
154. Bemerkung, Report of Meeting, *Aequationes Math.*, **29** (1985), 106-107. (with Z. Daróczy)
155. *Topics in the theoretical bases and applications of computer science. Proc. 4th Hungarian Computer Science Conf., Győr, July 8-10, 1985*, eds. M. Arató, I. Kátai and L. Varga, Akadémiai Kiadó, Budapest, 1986.

156. A note on random walks in multidimensional time, *Math. Proc. Cambridge Phil. Soc.*, **99** (1986), 163-170. (with J. Galambos)
157. Intervallfüllende Folgen und volladditive Funktionen, *Acta Sci. Math. Szeged*, **50** (1986), 337-350. (with Z. Daróczy and A. Járai)
158. Additive functions, *Analysis Math.*, **12** (1986), 85-96. (with Z. Daróczy)
159. On functions defined by digits of real numbers, *Acta Math. Hungar.*, **47** (1-2) (1986), 73-80. (with Z. Daróczy and A. Járai)
160. On additive arithmetical functions with values in topological groups, *Publ. Math. Debrecen*, **33** (1986), 287-292. (with Z. Daróczy)
161. Continuous additive functions and difference equations of infinite order, *Analysis Math.*, **12** (1986), 237-249. (with Z. Daróczy)
162. Distribution of digits of primes in  $q$ -ary canonical form, *Acta Math. Hungar.*, **47** (1986), 341-359.
163. On the number of occurrences of sequence patterns, *Acta Math. Hungar.*, **47** (1986), 371-382. (with A. Benczúr)
164. A remark on a theorem of H. Daboussi, *Acta Math. Hungar.*, **47** (1986), 223-225.
165. Multiplicative functions over the Gaussian integers with regularity properties I., *Acta Math. Hungar.*, **48** (1986), 187-192. (with Mahmoud Amer)
166. A correction to my paper: "Multiplicative functions with regularity properties I.", *Acta Math. Hungar.*, **48** (1986), 229-230.
167. Multiplicative functions over the Gaussian integers with regularity properties II., *Acta Math. Hungar.*, **48** (3-4) (1986), 361-369. (with Mahmoud Amer)
168. A renewal theorem for random walks in multidimensional time, *Trans. Amer. Math. Soc.*, **300** (1987), 759-769. (with J. Galambos and K.-H. Indlekofer)
169. On differentiable additive functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **7** (1987), 63-66. (with Z. Daróczy)
170. On additive arithmetical functions with values in the circle group, *Publ. Math. Debrecen*, **34** (1987), 307-312.
171. On the distance of finite numbers of given length, *Periodica Math.*, **18** (3) (1987), 193-210. (with Z. Daróczy and A. Járai)
172. On additive arithmetical functions with values in topological groups II., *Publ. Math. Debrecen*, **34** (1987), 65-68. (with Z. Daróczy)

173. The gaps in a particular sequence of integers of positive density, *J. London Math. Soc.*, **36** (2) (1987), 429-435. (with J. Galambos)
174. Some remarks on random walks in multidimensional time, *Probability theory and mathematical statistics with applications. Proc. of Fifth Pannonian Symp. in Mathematical Statistics, Visegrád, 1985*, Reidel, Dordrecht, 1988, 65-74. (with J. Galambos)
175. Interval filling sequences and additive functions, *Acta Sci. Math. Szeged*, **52** (1988), 337-347. (with Z. Daróczy)
176. On functions additive with respect to interval filling sequences, *Acta Math. Hungar.*, **51** (1988), 185-200. (with Z. Daróczy)
177. Generalized number systems in the complex plane, *Acta Math. Hungar.*, **51** (1988), 409-416. (with Z. Daróczy)
178. Uniform distribution of sequences connected with arithmetical functions, *Acta Math. Hungar.*, **51** (1988), 401-408.
179. On some pairs of multiplicative functions, *Annales Univ. Sci. Budapest. Sect. Math.*, **31** (1988), 129-134. (with K.-H. Indlekofer)
180. Some remarks on arithmetical functions satisfying linear recursions in short intervals, *Annales Univ. Sci. Budapest. Sect. Math.*, **31** (1988), 135-139.
181. Momente additiver Funktionen auf der Folge  $p + 1$ , *Lietuvos Mat. Rin.*, **28** (4), (1988), 669-678. (mit K.-H. Indlekofer)
182.  $B$ -numbers in short intervals, *Archiv der Math.*, **50** (1988), 453-458. (with K.-H. Indlekofer)
183. On a functional equation with polynomials, *Acta Math. Hungar.*, **52** (1988), 305-320. (with Z. Daróczy)
184. Characterization of arithmetical functions, problems and results, *Théorie des nombres, Québec, 1987*, Walter de Gruyter Co., Berlin, 1989, 544-555.
185. A simple proof for the continuity of infinite convolutions of binary random variables, *Statistics and Probability Letters*, **7** (1989), 369-370. (with J. Galambos)
186. *Szabályos viselkedésű aritmetikai függvények*, akadémiai székfoglaló, Akadémiai Kiadó, Budapest, 1989.
187. Generalized moments of additive functions, *J. of Number Theory*, **32** (1989), 281-288. (with K.-H. Indlekofer)
188. On additive functions taking values from a compact group, *Acta Sci. Math. Szeged*, **53** (1989), 59-65. (with Z. Daróczy)

189. Exponential sums with multiplicative coefficients, *Acta Math. Hungar.*, **54** (1989), 263-268. (with K.-H. Indlekofer)
190. On the iteration of multiplicative functions, *Publ. Math. Debrecen*, **36** (1989), 129-134.
191. Additive functions and the largest prime factor of integers, *J. of Number Theory*, **33** (1989), 293-310. (with J.-M. DeKoninck and A. Mercier)
192. Characterization of additive functions with values in the circle group, *Publ. Math. Debrecen*, **36** (1989), 59-65. (with Z. Daróczy)
193. Characterization of pairs of additive functions with some regularity property, *Publ. Math. Debrecen*, **37** (1990), 217-221. (with Z. Daróczy)
194. Continuity module of the distribution of additive functions related to the largest prime factors of integers, *Archiv Math.*, **55** (1990), 450-461. (with J.-M. DeKoninck and A. Mercier)
195. Multiplicative functions with small increments I., *Acta Math. Hungar.*, **55** (1990), 97-101. (with K.-H. Indlekofer)
196. Multiplicative functions with small increments II., *Acta Math. Hungar.*, **56** (1990), 159-164. (with K.-H. Indlekofer)
197. The continuity of the limiting distribution of a function of two additive functions, *Math. Zeitschrift*, **204** (1990), 247-257. (with J. Galambos)
198. Multiplicative functions over the Gaussian integers with regularity properties III., *Acta Math. Hungar.*, **55** (1990), 315-322. (with Mahmoud Amer)
199. Some problems and results on the local behaviour of arithmetical function, *Acta Sci. Math. Szeged*, **54** (1990), 3-10.
200. On completely additive functions related to interval-filling sequences, *Archiv Math.*, **54** (1990), 173-179. (with Z. Daróczy and T. Szabó)
201. Characterization of pairs of additive functions with some regularity property, *Publ. Math. Debrecen*, **37** (1990), 217-221. (with Z. Daróczy)
202. Multiplicative functions with small increments III., *Acta Math. Hungar.*, **58** (1991), 121-132. (with K.-H. Indlekofer)
203. Additive functions monotonic on the set of primes, *Acta Arith.*, **57** (1991), 41-68. (with J.-M. DeKoninck and A. Mercier)
204. Additive functions monotonic on the set of primes II., *Canadian Journal of Math.*, **43** (4), (1991), 705-720. (with J.-M. DeKoninck and A. Mercier)
205. Distribution of  $\omega(\sigma(p+1))$ , *Annales Univ. Sci. Budapest. Sect. Math.*, **34** (1991), 217-225.

206. On the number of prime factors of  $\phi(\phi(n))$ , *Acta Math. Hungar.*, **58** (1991), 211-225.
207. On positive additive functions with respect to interval filling sequences, and some sequences of integers with gap conditions, *Lietuvos Mat. Rin.*, **31** (1991), 63-71. (with Z. Daróczy)
208. Arithmetical functions satisfying some relations, *Acta Sci. Math. Szeged*, **55** (1991), 249-268.
209. Multiplicative functions with regularity properties VI., *Acta Math. Hungar.*, **58** (1991), 343-350.
210. Some remarks on interval filling sequences and additive functions, *Grazer Math. Bericht.*, **315** (1991), 13-24. (with A. Járai and Z. Daróczy)
211. Estimation of generalized moments of additive functions over the set of shifted primes, *Acta Sci. Math. Szeged*, **56** (1992) 229-236. (with K.-H. Indlekofer)
212. On the modulus of continuity of the distribution of some arithmetical functions, *New trends in probability and statistics 2, Palanga, 1991*, VSP, Utrecht, 1992, 223-234. (with K.-H. Indlekofer)
213. Additive functions satisfying congruences, *Acta Sci. Math. Szeged*, **56** (1992), 63-71. (with M. van Rossum-Wijsmuller)
214. *Probability theory and applications. Essays to the memory of János Mogyoródi*, eds. J. Galambos and I. Kátai, Kluwer, 1992.
215. János Mogyoródi in memoriam 1933-1990, *Probability theory and applications*, Kluwer, 1992, ix-x. (with J. Galambos)
216. Distribution of  $q$ -additive functions, *Probability theory and its applications*, Kluwer, 1992, 309-318.
217. Number systems and fractal geometry, *Probability theory and its applications*, Kluwer, 1992, 319-334. (with K.-H. Indlekofer and P. Racskó)
218. On number systems in algebraic fields, *Publ. Math. Debrecen*, **41** (1992), 289-294. (with I. Környei)
219. On the normal growth of prime factors of integers, *Canad. J. Math.*, **44** (6) (1992), 1121-1154. (with J.-M. DeKoninck and A. Mercier)
220. On the distribution of translates of additive functions, *Acta Math. Hungar.*, **61** (1993), 341-356.
221. Univoque sequences, *Publ. Math. Debrecen*, **42** (1993), 397-407. (with Z. Daróczy)

222. Some remarks on generalized number systems, *Acta Sci. Math. Szeged*, **57** (1993), 543-553. (with K.-H. Indlekofer and P. Racskó)
223. On the distribution of translates of additive functions, *Acta Math. Hungar.*, **61** (1993), 343-356. (with K.-H. Indlekofer)
224. Characterization of additive functions with values in the circle group II., *Publ. Math. Debrecen*, **44** (1994), 391-394. (with Z. Daróczy)
225. Karl-Heinz Indlekofer. Festschrift for the 50th birthday of Karl-Heinz Indlekofer, *Annales Univ. Sci. Budapest. Sect. Comp.*, **14** (1994), 3-6.
226. Number systems in imaginary quadratic fields, *Annales Univ. Sci. Budapest. Sect. Comp.*, **14** (1994), 91-103.
227. On the structure of univoque numbers, *Publ. Math. Debrecen*, **46** (1995), 385-408. (with Z. Daróczy)
228. On some properties of attractors generated by iterated function systems, *Acta Sci. Math. Szeged*, **60** (1995), 411-427. (with K.-H. Indlekofer and A. Járai)
229. *Generalized number systems and fractal geometry*, PTE, Pécs, 1995.
230. On the distribution of subsets of primes in the prime factorization of integers, *Acta Arith.*, **72** (2) (1995), 169-200. (with J.-M. DeKoninck)
231. Distribution of the values of  $q$ -additive functions on polynomial sequences, *Acta Math. Hungar.*, **68** (4) (1995), 353-361. (with N.L. Bassily)
232. Research problems in number theory II., *Annales Univ. Sci. Budapest. Sect. Comp.*, **16** (1996), 223-251.
233. Distribution of consecutive digits in the  $q$ -ary expansions of some subsequences of integers, *J. Math. Sciences*, **78** (1) (1996), 11-17. (with N.L. Bassily)
234. On some pairs of multiplicative functions correlated by an equation, *New trends in probability and statistics 4. Analytic and Probabilistic Methods in Number Theory*, Palanga, 1996, TEV, Vilnius, VSP, Utrecht, 1997, 191-203. (with B.M. Phong)
235. A new characteristic of the identity function, *J. of Number Theory*, **63** (1997), 325-338. (with J.-M. DeKoninck and B.M. Phong)
236. Number of prime divisors  $\varphi_k(n)$  where  $\varphi_k$  is the  $k$ -fold iterate of  $\varphi$ , *J. of Number Theory*, **65** (1997), 226-239. (with N.L. Bassily and M. Wijsmuller)
237. On the pairs of multiplicative functions satisfying some relations, *Aequationes Math.*, **55** (1998), 1-14. (with N.L. Bassily)

238. On the iterates of the sum of unitary divisors, *Acta Math. Hungar.*, **79** (1998), 149-167. (with M. Wijsmuller)
239. The characterization of  $n^{i\tau}$  as a multiplicative function, *Acta Math. Hungar.*, **81** (1998), 349-353. (with M.V. Subbarao)
240. On the multiplicative function  $n^{i\tau}$ , *Studia Sci. Math.*, **34** (1998), 211-218. (with M.V. Subbarao)
241. On multiplicative functions satisfying a special relation, *Acta Sci. Math. Szeged*, **64** (1998), 49-57. (with J. Fehér and B.M. Phong)
242. On the pairs of multiplicative functions satisfying some relations, *Aequationes Math.*, **55** (1998), 1-14. (with N.L. Bassily)
243. Some results and problems on  $q$ -additive and  $q$ -multiplicative functions, *Arithmetical functions, Leaflets in Mathematics*, Pécs, 1998, 57-70.
244. On asymptotically correlated  $q$ -multiplicative functions, *Math. Pannonica*, **10** (1) (1999), 29-36. (with K.-H. Indlekofer)
245. Imre Környei 1930-1993, *Annales Univ. Sci. Budapest. Sect. Comp.*, **18** (1999), 3.
246. Béla Kovács 1946-1993, *Annales Univ. Sci. Budapest. Sect. Comp.*, **18** (1999), 7.
247. On additive functions with respect to the expansion of real numbers into generalized number systems, *Annales Univ. Sci. Budapest. Sect. Comp.*, **18** (1999), 25-33. (with N.L. Bassily and S. Ishak)
248. Construction of number systems in algebraic number fields, *Annales Univ. Sci. Budapest. Sect. Comp.*, **18** (1999), 103-107.
249. On the prime power divisors of the iterates of the Euler- $\varphi$  function, *Publ. Math. Debrecen*, **55** (1999), 17-32. (with N.L. Bassily and M. Wijsmuller)
250. On the iterates of the sum of exponential divisors, *Math. Pannonica*, **10** (1999), 153-158. (with M.V. Subbarao)
251. Local peaks of additive functions, *Publ. Math. Debrecen*, **56** (2000), 171-177. (with M.V. Subbarao)
252. On a theorem of H. Daboussi, *Publ. Math. Debrecen*, **57** (2000), 145-152. (with K.-H. Indlekofer)
253. Continuous homomorphisms as arithmetical functions, and sets of uniqueness, *Number Theory*, ed. R.P. Bambah, Birkhäuser, Basel, 2000, 183-200.
254. A characterization on  $n^s$  as a multiplicative function, *Acta Math. Hungar.*, **87** (4) (2000), 317-331. (with B.M. Phong)

255. On some pairs of multiplicative function correlated by an equation II., *Aequationes Math.*, **59** (2000), 287-297. (with B.M. Phong)
256. Quasi additive and quasi multiplicative functions with regularity properties, *Publ. Math. Debrecen*, **56** (2000), 43-52. (with M.V. Subbarao)
257. Generalized moments of additive functions II., *Lietuvos Mat. Rin.*, **41** (1) (2001), 70-83. (with K.-H Indlekofer)
258. A comparative result for multiplicative functions, *Lietuvos Mat. Rin.*, **41** (2) (2001), 183-201. (with K.-H Indlekofer and R. Wagner)
259. Additive functions with respect to expansions over the set of Gaussian integers, *Acta Arith.*, **99** (2) (2001), 173-182. (with P. Liardet)
260. Investigations in the theory of  $q$ -additive and  $q$ -multiplicative functions I., *Acta Math. Hungar.*, **91** (2001), 53-78. (with K.-H. Indlekofer)
261. On  $q$ -multiplicative functions taking a fixed value on the set of primes, *Periodica Math. Hung.*, **42** (2001), 45-50. (with K.-H. Indlekofer)
262. On the set for which 1 is univoque, *Publ. Math. Debrecen*, **58** (2001), 743-750. (with G. Kallós)
263. Group valued  $q$ -additive functions on polynomial values, *Publ. Math. Debrecen*, **59** (2001), 35-43. (with M.V. Subbarao)
264. On  $q$ -additive and  $q$ -multiplicative functions, *Number theory and discrete mathematics*, Chandigarh, 2000, Birkhäuser, Basel, 2002, 61-76.
265. On  $q$ -multiplicative functions, *Publ. Math. Debrecen*, **61** (2002), 393-402. (with K.-H. Indlekofer and Y.W. Lee)
266. Investigations in the theory of  $q$ -additive and  $q$ -multiplicative functions II., *Acta Math. Hungar.*, **97** (2002), 97-108. (with K.-H. Indlekofer)
267. On linear combinations of  $q$ -additive functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **21** (2002), 195-208. (with K.-H. Indlekofer)
268. On the frequency of  $k$ -deficient numbers, *Publ. Math. Debrecen*, **61** (2002), 595-602. (with J.-M. DeKoninck)
269. Laudatio to Professor Karl-Heinz Indlekofer, *Annales Univ. Sci. Budapest. Sect. Comp.*, **22** (2003), 5-13.
270. On the distribution of exponential divisors, *Annales Univ. Sci. Budapest. Sect. Comp.*, **22** (2003), 161-180. (with M.V. Subbarao)
271. Generalized number systems and  $q$ -multiplicative functions, *Mathematical and Computer Modelling*, **38** (2003), 883-892.
272. On some research problems in mathematics, *Acta Acad. Paedag. Agriensis, Sect. Math.*, **30** (2003), 87-100.

273. On the counting function for the Niven numbers, *Acta Arith.*, **106** (3) (2003), 265-275. (with J.-M. DeKoninck and N. Doyon)
274. Metric properties of alternating Oppenheim expansions, *Acta Arith.*, **109** (2003), 151-158. (with J. Galambos and Min-Young Lee)
275. On a theorem of Daboussi related to the set of Gaussian integers, *Math. Pannonica*, **14** (2003), 267-272. (with J.-M. DeKoninck and N.L. Bassily)
276. A note on a theorem of Daboussi, *Acta Math. Hungar.*, **101** (3) (2003), 211-216. (with K.-H. Indlekofer)
277. Some remarks on a paper of Ramachandra, *Lietuvos Mat. Rin.*, **43** (2003), 497-504. (with M.V. Subbarao)
278. Distribution of additive and  $q$ -additive functions under some conditions, *Publ. Math. Debrecen*, **64** (2004), 167-187. (with M.V. Subbarao)
279. On the normal order of  $\varphi_{k+1}(n)/\varphi_k(n)$ , where  $\varphi_k$  is the  $k$ -fold iterate of Euler's functions, *Lietuvos Mat. Rin.*, **44** (2004), 68-84. (with K.-H. Indlekofer)
280. On the local distribution of the iterated divisor function, *Math. Pannonica*, **15** (2004), 127-140. (with M.V. Subbarao)
281. Some results and problems on arithmetical functions, *Proc. Int. Conf. on Number Theory*, Vol. 1, 2004, Lecture Notes Series, Ramanujan Math. Soc., 2004, 39-50.
282. On sets of uniqueness for additive and multiplicative functions over the multiplicative group generated by the polynomial  $x^2 + a$ , *Annales Univ. Sci. Budapest. Sect. Math.*, **47** (2004), 143-156. (with J. Fehér)
283. On a new proof of a theorem of Indlekofer and Timofeev, *Annales Univ. Sci. Budapest. Sect. Math.*, **47** (2004), 29-33. (with M.V. Subbarao)
284. On the multiplicative group generated by shifted binary quadratic forms, *Annales Univ. Sci. Budapest. Sect. Math.*, **47** (2004), 17-28. (with J.-M. DeKoninck)
285. Square-free values of the Carmichael function, *Math. Pannonica*, **16** (2) (2005), 199-203.
286. On the function  $\zeta(s)\zeta(s-a)\dots\zeta(s-ra) = \sum \frac{\sigma_{a,r+1}(n)}{n^s}$ , *Math. Pannonica*, **16** (2005), 19-27. (with M.V. Subbarao)
287. On the mean value of the index of composition of an integer, *Monatshefte für Math.*, **145** (2005), 131-144. (with J.-M. DeKoninck)

288. On the average of  $d(n)\omega(n)$  and similar functions on short intervals, *Annales Univ. Sci. Budapest. Sect. Math.*, **25** (2005), 131-142. (with J.-M. DeKoninck)
289. On the number of prime divisors of the iterates of the Carmichael function, *Math. Pannonica*, **16** (2005), 205-209.
290. Some remarks on the  $\varphi$  and on the  $\sigma$  functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **25** (2005), 113-130. (with M.V. Subbarao)
291. On the distribution mod 1 of the values of  $F(n) + \alpha\sigma(n)$ , *Publ. Math. Debrecen*, **66** (2005), 121-128. (with J.-M. DeKoninck)
292. Számelmélet, *Informatikai algoritmusok II.*, szerk. Iványi A., ELTE Eötvös Kiadó, Budapest, 2005, 1054-1114. (with G. Farkas)
293. On the maximal and minimal exponent of the prime divisors of integers, *Publ. Math. Debrecen*, **68** (2006), 477-488. (with M.V. Subbarao)
294. A remark on trigonometric sums, *Acta Math. Hungar.*, **112** (2006), 221-225.
295. On the product partitions and asymptotic formulas, *The Riemann zeta function and related themes*, Lecture Notes Series **2**, Ramanujan Math. Soc., 2006, 99-114.
296. The distribution of integers with given number of prime factors in almost all short intervals, *The Riemann zeta function and related themes*, Lecture Notes Series **2**, Ramanujan Math. Soc., 2006, 115-120.
297. Research problems in number theory III., *RIMS Kyoto 2006. Analytic Number Theory and Surrounding Areas*, 122-128.
298. On the local distribution of certain arithmetic functions, *Lietuvos Mat. Rin.*, **46** (3), 2006, 315-331. (with J.-M. DeKoninck)
299. A remark on product partition, *Acta Math. Hungar.*, **111** (4) (2006), 305-310. (with M.V. Subbarao)
300. M.V. Subbarao in memoriam 1921-2006, *Annales Univ. Sci. Budapest. Sect. Comp.*, **26** (2006), 3-4.
301. A remark on the product partition of integers into  $k$  parts, *Annales Univ. Sci. Budapest. Sect. Comp.*, **26** (2006), 43-49. (with M.V. Subbarao)
302. Some further remarks on the  $\varphi$  and on the  $\sigma$ -functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **26** (2006), 51-63. (with M.V. Subbarao)
303. Distribution of 2-additive functions under some conditions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **26** (2006), 137-143. (with M.V. Subbarao)

304. A consequence of a theorem of Filaseta, *Annales Sci. Math. Québec*, **30** (2006), 55-62. (with J.-M. DeKoninck and M.V. Subbarao)
305. A remark on a paper written by J.-M. DeKoninck and A. Ivić, *Math. Pannonica*, **17** (2) (2006), 229-235. (with M.V. Subbarao)
306. A remark on a paper of Luca, *Acta Math. Hungar.*, **113** (4) (2006), 313-318.
307. Some remarks on sets of uniqueness for additive and multiplicative functions, *Annales Univ. Sci. Budapest. Sect. Comp.*, **27** (2007), 57-63. (with J. Fehér)
308. Distribution of  $q$ -additive functions on the set of integers having  $k$  prime factors, *Annales Univ. Sci. Budapest. Sect. Comp.*, **27** (2007), 65-74. (with L. Germán)
309. On the average prime divisors, *Annales Univ. Sci. Budapest. Sect. Comp.*, **27** (2007), 137-144.
310. On the index of composition of integers from various sets, *Archiv Math.*, **88** (2007), 524-536. (with J.-M. DeKoninck and M.V. Subbarao)
311. Distribution of  $q$ -additive functions on the set of primes, *Lietuvos Mat. Rin.*, **47** (2007), 29-38.
312. Sums of reciprocals of additive functions running over short intervals, *Colloq. Math.*, **107** (2007), 317-326. (with J.-M. DeKoninck)
313. On a problem of A. Ivić, *Math. Pannonica*, **18** (2007), 11-18.
314. Distribution of  $q$ -additive functions on some subsets of integers, *Math. Pannonica*, **18** (2007), 189-200. (with M.V. Subbarao)
315. On the linear combination of  $q$ -additive functions at prime places, *Acta Math. Hungar.*, **117** (2007), 361-372.
316. Counting the number of twin Niven numbers, *Ramanujan J.*, **37** (5) (2007), 1459-1482. (J.-M. DeKoninck and N. Doyon)
317. Distribution of arithmetical functions on some subsets of integers, *Mathematics (Odessa)*, **3** (2007), 87-98.
318. Some remarks on the average order in cyclic groups (to appear)
319. Open problems originated in our research work with Zoltán Daróczy (to appear)
320. On sets characterized by the values of some multiplicative functions (to appear)
321. Distribution of arithmetic functions on certain subsets of integers, *Rocky Mountain J. of Math.* (with J.-M. DeKoninck) (accepted)

322. On an estimate of Kanold, *Int. J. of Mathematics and Analysis* (with J.-M. DeKoninck) (accepted)
323. Distribution of additive and  $q$ -additive functions under some conditions II., *Publ. Math. Debrecen* (with M.V. Subbarao) (accepted)
324. On the local distribution of  $\omega(GCD(n, \varphi_k(n)))$ , *Canad. Math. Bull.* (with J.-M. DeKoninck) (submitted)
325. Some remarks on trigonometric sums, *Acta Math. Hungar.* (with K.-H. Indlekofer) (submitted)
326. Some remarks on the Euler's  $\varphi$  function and on the Carmichael function, Szováta (submitted)
327. On the prime power divisors of the iterates of  $\varphi(n)$  and  $\sigma(n)$  (submitted)
328. Some theorems on the prime divisors of integers (submitted)