

CONTINUATION OF LIST OF PUBLICATIONS

Imre Kátai

The first part of the list of publications is published in *Annales Univ. Sci. Budapest., Sect. Comp.*, **28** (2008), 15–34.

- [318] Some remarks on the average order in cyclic groups, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **32** (2010), 95–101.
- [319] Open problems originated in our research work with Zoltán Daróczy, *Publ. Math. Debrecen*, **75** (2009), no. 1–2, 149–165.
- [320] On sets characterized by the values of some multiplicative functions, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **32** (2010), 63–72.
- [321] Distribution of arithmetic functions on certain subsets of integers, *Rocky Mountain J. Math.*, **37** (2007), no. 5, 1459–1482. (with J.-M. De Koninck)
- [322] On an estimate of Kanold, *Int. J. Math. Anal.*, **5/8** (2007), no. 1-12, 9–18. (with J.-M. De Koninck)
- [323] Distribution of q -additive functions on some subsets of integers, *Math. Pannon.*, **18** (2007), no. 2, 189–200. (with M.V. Subbarao)
- [324] On the local distribution of the number of prime factors of $(n, \varphi_k(n))$, *Adv. Appl. Math. Sci.*, **9** (2011), no. 1, 7–83. (with J.-M. De Koninck)
- [325] Some remarks on trigonometric sums, *Acta Math. Hungar.*, **118** (2008), no. 4, 313–318. (with K.-H. Indlekofer)
- [326] Some remarks on the Carmichael and on the Euler’s φ function, *Ann. Univ. Sci. Budapest. Sect. Comput.*, **35** (2011), 163–187.
- [327] On the prime power divisors of the iterates of $\varphi(n)$ and $\sigma(n)$, *Siauliai Math. Semin.*, **4(12)** (2009), 125–143.

- [328] Some theorems on the prime divisors of integers, *Math. Pannon.*, **20** (2009), no. 1, 87–97.
- [329] Primes with preassigned digits II., *Acta Arith.*, **133** (2008), no. 2, 171–184. (with Glyn Harman)
- [330] Some remarks on a theorem of H. Daboussi, *Math. Pannon.*, **19** (2008), no. 1, 71–80.
- [331] A remark on a paper of F. Luca and A. Sankaranarayanan: "On positive integers n such that $\varphi(1) + \cdots + \varphi(n)$ is square", *Lith. Math. J.*, **48** (2008), no. 3, 316–321.
- [332] On the sum of bounded multiplicative functions over some special subsets of integers, *Unif. Distrib. Theory*, **3** (2008), no. 2, 37–43.
- [333] A note on q -multiplicative functions, *Lith. Math. J.*, **49** (2009), no. 1, 1–4. (with N.L. Bassily)
- [334] On q -additive and q -multiplicative functions, *Number theory and applications*, 105–126, Hindustan Book Agency, New Delhi, 2009
- [335] On the distribution of the square-full and k -full parts of integers for short intervals, *Math. Pannon.*, **20** (2009), no. 2, 149–157.
- [336] Uniform distribution modulo 1 of the harmonic prime factor of an integer, *Unif. Distrib. Theory*, **4** (2009), no. 2, 115–132. (with F. Luca)
- [337] Some remarks on a paper of L. Toth, *J. Integer Seq.*, **13** (2010), no. 1, Article 10.1.2, 26 pp. (with J.-M. De Koninck)
- [338] On multiplicative functions on consecutive integers, *Lith. Math. J.*, **50** (2010), no. 1, 43–53. (with L. Germán)
- [339] On the coprimality of some arithmetic functions, *Publ. Inst. Math. (Beograd) (N.S.)*, **87(101)** (2010), 121–128. (with J.-M. De Koninck)
- [340] On the distribution mod 1 of $\alpha\sigma(n)$, *Publ. Math. Debrecen*, **77** (2010), no. 1–2, 1–14.
- [341] On random arithmetical functions, I. *Lith. Math. J.*, **50** (2010), no. 3, 271–283. (with K.-H. Indlekofer and O.I. Klesov)
- [342] Some remarks on a paper written by J.-M. Deshouillers and F. Luca, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **32** (2010), 123–128.
- [343] Some remarks on a result of F. Luca and I. Shparlinski, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **32** (2010), 221–230.

- [344] On a theorem of Daboussi related to the set of Gaussian integers II., *Math. Pannon.*, **21** (2010), no. 2, 207–213. (with J.-M. De Koninck)
- [345] Distribution of additive functions for some subsets of shifted primes, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **33** (2010), 175–191. (with L. Germán)
- [346] Distributions of arithmetical functions. Some results and problems, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **33** (2010), 239–259.
- [347] Exponential sums involving the largest prime factor function, *Acta Arith.*, **146** (2011), no. 3, 233–245. (with J.-M. De Koninck)
- [348] On an analogue of Daboussi’s theorem on some semigroups of integers generated by some subsets of the primes, *Ann. Sci. Math. Québec*, **35** (2011), no. 1, 75–83.
- [349] On the asymptotic value of the irrational factor, *Ann. Sci. Math. Québec*, **35** (2011), no. 1, 117–121. (with J.-M. De Koninck)
- [350] On a problem on normal numbers raised by Igor Shparlinski, *Bull. Aust. Math. Soc.*, **84** (2011), no. 2, 337–349. (with J.-M. De Koninck)
- [351] Arithmetic functions and their coprimality, *Funct. Approx. Comment. Math.*, **45** (2011), part 1, 55–66. (with J.-M. De Koninck)
- [352] Erratum to: On the pairs of multiplicative functions, *Aequationes Math.*, **82** (2011), no. 3, 319–320. (with N.L. Bassily)
- [353] On the theorem of H. Daboussi over the Gaussian integers, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **35** (2011), 25–33. (with N.L. Bassily)
- [354] Construction of normal numbers by classified prime divisors of integers, *Funct. Approx. Comment. Math.*, **45** (2011), part 2, 231–253. (with J.-M. De Koninck)
- [355] A proof of the generalized second-limit theorem in the theory of probability, *Comm. Statist. Theory Methods*, **40** (2011), no. 19-20, 3654–3662.
- [356] A consequence of the theorem of Bredihin, *Math. Pannon.*, **22** (2011), no. 2, 153–164. (with K.-H. Indlekofer)
- [357] Some further remarks on a paper of K. Ramachandra, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **34** (2011), 33–44. (with N.L. Bassily)
- [358] Arithmetic functions evaluated at polynomial values, *Ann. Univ. Sci. Budapest., Sect. Comput.*, **34** (2011), 95–114. (with J.-M. De Koninck and N. Doyon)

- [359] Renewal theorems for some weighted renewal functions, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **34** (2011), 179–194. (with K.-H. Indlekofer and O.I. Klesov)
- [360] On the distribution of q -additive functions under some conditions III., *Acta Univ. Sapientiae Math.*, **3** (2011), no. 2, 115–128.
- [361] On real valued additive functions modulo 1, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **36** (2012), 355–373. (with K. Chakraborty and B.M. Phong)
- [362] Exponential sums and arithmetic functions at polynomial values, *Lith. Math. J.*, **52** (2012), no. 2, 138–144. (with J.-M. De Koninck)
- [363] Normal numbers created from primes and polynomials, *Unif. Distrib. Theory*, **7** (2012), 1–20. (with J.-M. De Koninck)
- [364] On integers for which the sum of divisors is the square of the squarefree core, *Journal of Integer Sequences*, **15** (2012), Article 12.7.5, 12 pages. (with K.A. Broughan, J.-M. De Koninck and F. Luca)
- [365] Algebrai geometria számítások (Lecture Notes, 2012) (with G. Farkas)
- [366] Laudation to Dr. Bui Minh Phong on his 60th anniversary, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 5–11.
- [367] Some remarks on Beurling type integers generated by the set of shifted primes, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 43–56 (with K.-H. Indlekofer)
- [368] The distribution of additive functions in short intervals on the set of shifted integers having a fixed number of prime factors, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 57–60. (with J.-M. De Koninck)
- [369] Distribution of the values of q -additive functions on some multiplicative semigroups, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 129–145. (with L. Germán)
- [370] Distribution of the values of q -additive functions on some multiplicative semigroups II., *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 147–159. (with L. Germán)
- [371] On the prime divisors of the Euler Phi and the sum of divisors functions, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 245–256.
- [372] On additive functions satisfying some relations, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 273–284. (with K. Chakraborty and B.M. Phong)

- [373] On the values of arithmetic functions in short intervals, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 285–293. (with K. Chakraborty and B.M. Phong)
- [374] On random arithmetical functions II., *Ann. Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 311–324. (with K.-H. Indlekofer and O.I. Klesov)
- [375] Laudation to Professor Karl-Heinz Indlekofer on his seventieth anniversary, *Ann. Univ. Sci. Budapest., Sect. Comput.*, **39** (2013), 7–12.
- [376] Using large prime divisors to construct normal numbers, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **39** (2013), 45–62. (with J.-M. De Koninck)
- [377] Some remarks on a result of Timofeev and Khripunova, *Ann. Univ. Sci. Budapest., Sect. Comp.*, **39** (2013), 239–256.
- [378] On the distribution of the values of additive functions over integers with a fixed number of distinct prime factors, *Albanian J. of Math.*, **6** (2012), 75–86. (with J.-M. De Koninck)
- [379] Exponential sums involving polynomials, *Unif. Distrib. Theory*, (to appear). (with J.-M. De Koninck)
- [380] Construction of normal numbers by classified prime divisors of integers II, *Functiones et Approximatio*, (to appear). (with J.-M. De Koninck)
- [381] Distribution of consecutive digits in the q -ary expansions of some subsequences of integers II, *Proceedings of the Fifth Conference in honor of Jonas Kubilius*, (to appear) (with J.-M. De Koninck)
- [382] Distribution of arithmetic functions on particular subsets of integers, *Unif. Distrib. Theory*, (to appear). (with J.-M. De Koninck)
- [383] Some new methods for constructing normal numbers, *Annales des Sciences Mathématiques du Québec*, (accepted). (with J.-M. De Koninck)
- [384] Prime-like sequences leading to the construction of normal numbers, *Functiones et Approximatio*, (to appear). (with J.-M. De Koninck)
- [385] Construction of normal numbers using the distribution of the k -th largest prime factor, *Bulletin of the Australian Mathematical Society*, (to appear). (with J.-M. De Koninck)
- [386] Exponential sums involving the k -th largest prime factor function, *Journal of Integer Sequences*, **16** (2013), Article 13.2.16. (with J.-M. De Koninck)

- [387] The uniform distribution mod 1 of sequences involving the largest prime factor function, *Siauliai Math. Seminar*, (to appear). (with J.-M. De Koninck)
- [388] Exponential sums involving arithmetic functions and shifted primes, *Journal of Combinatorics and Number Theory*, (with J.-M. De Koninck)
- [389] On the Turán-Kubilius inequality, Turán Memorial Volume: Number Theory, Combinatorics and Analysis, de Gruyter (accepted).
- [390] How many unsolved problems exist with respect to the prime numbers (in Ukrainian), *U sviti matematiki*, tom 17, vüpusk 4.
- [391] Testing of random matrices, *Acta Univ. Sapientiae, Informatica*, **3** (2011), no. 1, 99–126. (with A. Iványi).